

CAT. No. 53

OLDEST AND LARGEST RADIO MAIL ORDER INSTITUTION IN THE WORLD

LAFAYETTE RADIOS

TRUSTEES PARTS

100 SIXTH
NEW YORK
AVENUE



1933

• RELIABILITY • SERVICE • SATISFACTION

CATALOG

WHOLESALE RADIO SERVICE CO., INC.

100 SIXTH AVENUE • Just Above Canal Street • NEW YORK, N. Y.

Why Pick Your Radio *Blindfolded?*



Enjoy a **LAFAYETTE** in your own home for...

TRY
Before You
BUY!

30 DAYS
FREE TRIAL

WOULD you buy an automobile while you were blindfolded? Of course not! You would want to examine it carefully. Try it for 20 miles or more. Take it up a hill. Watch it step out in traffic. Give it every conceivable test of performance. Then, if it meets with YOUR requirements—not the requirements of the man who is selling it to you—you're ready to talk business. Then why should you buy a radio set blindfolded? That is just

what the average purchaser does. Mr. or Mrs. Radio Buyer listens to a 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. Or they don't stop to remember that the set which performs like a champion on a clear day may sound like a boiler factory when the air becomes full of static.

GUARANTEE CERTIFICATE

Every purchaser of a Lafayette Receiver will receive a 30-day Free Trial Certificate covering the receiver selected.

We Guarantee to Satisfy!

We don't ask you to take our word that Lafayette will satisfy you! Instead, we give you an unequalled opportunity to test 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.

Compare Lafayette with your neighbor's sets. Listen to its tone qualities. Try it on clear, sunny days, or stormy rainy nights. Put it through every test you can possibly give a radio set. Try it for two weeks, three weeks or a full 30 days. See for yourself how trouble-free the set is at all times.

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.

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 Fairest Offer EVER MADE to RADIO BUYERS

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

USE OUR MODERN COUNTER SERVICE!

When you want REAL RADIO VALUES at the LOWEST PRICES head for Wholesale! For the convenience of our many friends and customers residing in the New York area, we have recently opened a most magnificent RADIO SHOWROOM. We are told that this showroom, in beauty, convenience and equipment, is second to none.

LOW PRICES! PROMPT SERVICE!

We extend a cordial invitation to visit our headquarters and judge for yourself. Our exceptional facilities are equalled only by our remarkably low prices and our speedy, efficient service. If you are visiting New York, or if you reside in this district, be sure to come in. A member of our staff will gladly explain our many innovations, including soundproof booths, private theatre, Lanning Reproducer installations, etc. A series of wonders awaits you! If you prefer to telephone rush orders, our special Phone Order Dept. will gladly serve you. Our main trunk telephone numbers are:

Walker 5-8883 WALKER 5-8886
5-8884 5-8887
5-8885 5-8888
WALKER 5-8889

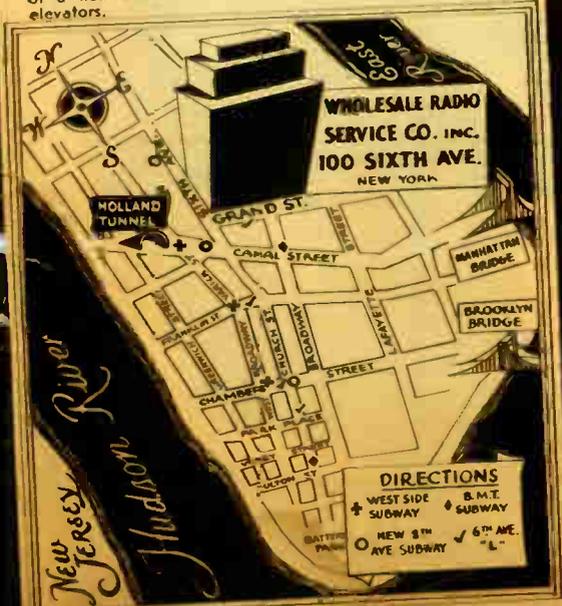
Skilled, trained workers will receive your order and follow through to prompt shipment. You are assured of every courtesy and satisfaction



HOW TO REACH 100 SIXTH AVENUE

Right in the heart of the city, 100 SIXTH AVENUE is a handy spot for Radio men located anywhere in the New York radius. By rapid transit, bus, street car or auto, you can reach us with a minimum of travel.

Our convenient location at 100 Sixth Avenue is just one block north of Canal Street. The 6th Ave. Elevated Trains, the 7th and new 8th Ave. Subway Trains, most New Jersey Buses and Grand Street crosstown cars stop within one block of our building. The Holland Tunnel also emerges just two blocks away. Our light, airy showroom is on the 4th floor of a new modern building served by several high speed elevators.



OUR NEW YORK SALESROOM IS RADIO HEADQUARTERS

Come in and feel at home! You will enjoy meeting many other enthusiastic radio men, discussing new developments and apparatus. The famous "comradeship" that exists between radio men is always evident in our showroom—our staff members are always willing to give advice and assistance with your problems. We repeat our invitation to "make our salesroom your headquarters"!

WE TEST YOUR TUBES FREE!

This is part of our service. You are welcome to the use of our elaborate tube-testing equipment—considered, incidentally, the most complete of its kind. You do not have to buy anything—just bring in your tubes and we'll be glad to give them a complete test without charge of any kind.

NEW SERVICE DEPARTMENT!

If you've always wanted to know where you could find a reliable, accurate Service Dept., here is the end of your search! At very small charges, we repair all makes of sets, amplifiers, etc. If you have any complicated re-conditioning problems, bring them in to us. You will find a complete service organization ready to cooperate with you.

FREE TO RADIOMEN!

We are conducting a series of lectures and demonstrations in our private theatre. Prominent men in the industry will discuss popular radio subjects and demonstrate new radio achievements. If you would like to be notified in advance of each meeting, please send your name and address to our Lecture Manager. A regular notice will be sent you before each talk. All radiomen are invited—no obligation, of course!

Be Sure You Are Served

Guarantee

We guarantee each and every article in this catalog to be exactly as described and illustrated.

We guarantee every item in accordance with the standard warranty of the Radio Manufacturers Association to operate in the manner intended by the manufacturer; that it represents full value for the price you pay; that it will reach you in perfect condition.

We will exchange or repair any merchandise returned to us that contains any mechanical or electrical imperfection in accordance with the R. M. A. guarantee.

We pledge ourselves to strict adherence to the guarantee of the Radio Manufacturers Association.

WHOLESALE RADIO SERVICE COMPANY, INC.

Now, more than ever, it is important that you know the firm you are doing business with. **Buy with safety!** Buy with the assurance that every purchase you make is guaranteed by a strong, financially sound organization.

During the past year a number of small radio catalog houses have gone out of business. Some of their customers failed to receive the merchandise they had ordered. Others, who had returned defective merchandise sold by these firms, did not secure refunds to which they were entitled. That is why we say—**STOP GAMBLING WITH YOUR MONEY.** Buy with confidence from **WHOLESALE RADIO SERVICE COMPANY, INC.**—"the reliability house of radio."

WHOLESALE RADIO SERVICE COMPANY, INC., is the largest institution of its kind in the world—established in business for more than 11 years—nationally known by thousands of satisfied customers.

Investigate! Whether you buy from **WHOLESALE RADIO SERVICE COMPANY, INC.**, or some other firm, you should protect yourself against loss. We invite you to investigate our financial standing and reliability by making inquiry of your local banker, Dun's and Bradstreet's, or our bank. National City Bank of New York.

**OUR
PRICES
CAN NOT
BE BEATEN**

WE WILL NOT BE UNDERSOLD!

FOR YOUR PROTECTION we publicly announce that **WHOLESALE RADIO SERVICE COMPANY, INC.**, is **NOT** and never has been associated with any other radio concern.



By

“The

RELIABILITY HOUSE OF RADIO!”

Our customers at all times receive the benefit of any price reductions made by manufacturers or ourselves. Should the prices of any of our merchandise be reduced after this catalog has been printed, you will receive a refund in full for the difference. Should you see any item in our catalog listed in any mail order catalog at a lower price, write and tell us about it, giving name of company and catalog page number, and WE WILL SHIP THE ITEM TO YOU AT THE SAME PRICE.

You can NEVER buy from anybody cheaper than you can buy from WHOLESALE RADIO SERVICE COMPANY, INC. We cannot be undersold and in many cases you will find our prices lower than others!

We guarantee to sell you ONLY HONEST, RELIABLE MERCHANDISE AT THE LOWEST PRICES AT WHICH THIS SAME MERCHANDISE CAN BE PURCHASED ELSEWHERE.

IMPORTANT WARNING!

For the protection of our customers we repeat the following message—a message which appeared in our 1932 catalog. Once again we urge you to pay careful attention to a message which has brought us enthusiastic pledges of support from many of our customers.

During the past two years a number of small, unreliable organizations have entered the radio business. They issue radio catalogs of various sizes, filled with glowing descriptions of junk merchandise sold at ridiculously low prices. Their guarantees are flagrantly broad—designed to attract the unwary purchaser who fails to realize that a guarantee is worth only as much as the concern behind it.

Some of these companies, realizing the standing and prestige of WHOLESALE RADIO SERVICE COMPANY, INC., are endeavoring to capitalize on our name by placing the words "WHOLESALE RADIO PRICES" "Buy Radio at WHOLESALE" or other similar sentences designed to make the prospective customer believe he is doing business with WHOLESALE RADIO SERVICE COMPANY, INC.

Heralding A NEW LINE OF 1933's Most



*Little
Treasure* ★

MINSTREL

In this remarkable little Receiver, Lafayette Engineers have accomplished the "impossible" . . . they have built into a Set (so compact that it will fit in almost anywhere) all the wallop you are now accustomed to only from the big, full size Receivers . . . And it's light enough to be carried from room to room and placed in operation any place where there is a convenient A.C. outlet. You'd have to wait a long time before you found a better "spare" Set for bed room, sun porch, den or office!

NEW HIGH GAIN TUBES

Around those remarkable new High Gain Tubes—the '58s, '57s and '47s—our engineers have evolved a circuit which doubles the amplification obtained from the most efficient five tube set ever built around tubes in general use only a year ago! Nor has all the improvement been in amplification—tone quality is better because ample volume can be obtained without overloading the tubes; and Selectivity and Sensitivity is here that will satisfy the most exacting buyer. The circuit is Tuned Radio Frequency and has a measured output of approximately 3000 milliwatts and laboratory tests have indicated a remarkably flat response characteristic over the entire band of 200-550 meters. A good Dynamic Speaker especially matched to circuit requirements does justice to the circuit itself. Tubes used: 1-'58, 1-'57, 1-'47 and 1-'80.

MODERNISTIC CABINET

Following the unmistakable trend toward plain treatment of small furniture objects, we have selected for The Little Treasure a severely simple cabinet, handsomely finished in American walnut, with a front panel simulating lacewood. Two-tone knobs to match. Size, 13¼ ins. long, 9 ins. high, 8½ ins. deep. Shpg. Wt., 25 Lbs.

Model R-71: Lafayette 4-Tube "Little Treasure" Midget with matched Dynamic Speaker for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code Delta. Shpg. Wt., 25 Lbs. **\$13⁹⁵**
List, \$31.50. Your Cost

Model R-72: Lafayette 4-Tube "Little Treasure" Midget with matched Dynamic Speaker for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code Dicky. Shpg. Wt., 25 lbs. **\$15⁹⁵**
List, \$34.00. Four Cost

**SUPERHETERODYNE
WITH TONE CONTROL**

Six months ago we offered for the approval of our customers the Lafayette MINSTREL. Its acceptance by the radio buying public was the most instantaneous and emphatic of any set we had ever offered. It was at that time the best five tube Superheterodyne on the market, regardless of price or manufacture. We now offer the NEW MINSTREL, a vastly improved five tube Superheterodyne with many new features. We guarantee that you have never seen its equal, tube-for-tube, in all-round performance.

CIRCUIT DETAIL

A three gang Condenser is now used in the improved circuit which permits a tuned pre-selector, first detector and composite oscillator. This is followed by a stage of high gain intermediate frequency, an R.F. pentode POWER DETECTION in the second detector feeding a POWER PENTODE in the output stage. Rectification employs a type '80. It will be noted that all tubes except the rectifier are of the Pentode Type, the increased operating efficiency of which results in performance which is positively amazing for the number of tubes. Tubes used: 2-'57s, 1-'58, 1-'47, 1-'80.

OTHER FEATURES

To add to the convenience of this extremely portable receiver we have incorporated a built-in Antenna which permits the Set to be placed in operation any place where suitable current is available—no need to attach to an outside or indoor aerial for there is one right in the cabinet which is as efficient as the average in-door system. We have also added a Tone Control which is a very desirable feature. Phenograph Jack, Full Vision Dial, and more expensive Cabinet housing an improved Dynamic Speaker, are also recent improvements. This cabinet measures 14¼ ins. high, 12 ins. wide and 9½ ins. deep, beautifully shaded and finished in American walnut. Shpg. Wt., 24 lbs.

Model M-31: Lafayette 5-Tube Superhet Minstrel for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code Digit. Shpg. Wt., 25 pounds. List, \$45.00. **\$19⁹⁵**
Your Cost

Model M-32: Lafayette 5-Tube Superhet Minstrel for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code Doric. Shpg. Wt., 25 pounds. List, \$48.00. **\$21⁹⁵**
Your Cost

LAFAYETTE MIDGETS

Remarkable Bargains!



Thriller

SOUVENIR

Complete with Genuine R.C.A. or Arcturus Tubes

Complete with Genuine R.C.A. or Arcturus Tubes

5 TUBE SUPERHETERODYNE

A second or "spare" Receiver in the home is a convenience which needs only to be brought to the attention of those now owning Console Type Radios to become the source of much new and profitable business for you. A second Receiver permits radio entertainment in more than one room and provides for that difference in musical taste which invariably exists among the family. The Lafayette THRILLER will place you in a position to cash in on this very sizable market with a minimum of "sales resistance" because of its big-set performance and its strong price appeal.

Or, if your prospective customer is interested in a small Radio which, because of price or space limitations, must do the job alone, the THRILLER will sell itself—you need only to display it where it can be listened to and examined closely.

SEVEN MODERN FEATURES

Full Superheterodyne Circuit with Selectivity never before approached in a five tube Set.

New High Gain Tubes establish performance standards which would have been considered highly satisfactory for six or even seven tube sets only a year ago.

Quality Dynamic Speaker that provides full-rounded Tone such as you are accustomed to only from larger Receivers.

Power to Spare. The "punch" of this little set will amaze you.

Built-In Antenna that permits the Set to be placed in operation wherever suitable current is available. This feature alone will make the THRILLER a three-to-one favorite over any similar set.

Best Looking Cabinet ever used to house a Radio Set retailing for less than \$49.50. American walnut finish.

Phonograph Jack and Full Vision Dial. Tubes used: 2-57s, 1-58, 1-47, and 1-80. Shpg. Wt., 25 lbs.

Model M-71 Lafayette 5 Tube Superhet THRILLER with Dynamic Speaker for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code DRAKE, List, \$38.00. Your Cost **\$16⁹⁵**

Model M-72 Lafayette 5 Tube Superhet THRILLER with Dynamic Speaker for 220-240 volt 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code DREAM, List, \$41.00. Your Cost **\$18⁹⁵**

Size of Cabinet, 11 ins. wide, 8 ins. deep 14 ins. high

This beautiful little Radio is just what its name suggests—a souvenir. It is something which will endear itself to you more and more as time goes on . . . something with which you will never willingly part because of its charming reminder of the countless pleasant hours it has and still brings to you.

HAND CARVED SPANISH CABINET

You don't often find Radio Cabinets made of SOLID WALNUT now-a-days, but here's one! And one that is finished like a piano. Spanish in design, it has beautiful carvings on both front and top, and antique brass handles on each end to enhance its beauty. The speaker opening is in the radio panel which is reached by lifting the cover. The cover, suspended on piano hinges is held at any desired position by means of friction brackets which act as sounding board for the Dynamic Speaker. This arrangement greatly adds to the baffle area and results in Tone Quality which is amazingly life-like and pure.

CIRCUIT DETAILS

The circuit of The Souvenir is a monument to present day Radio Engineering Skill—four tubes have been made to accomplish what would have been considered remarkable for five or even six only a year ago! Utilizing the NEW HIGH GAIN types 57 and 58 working into the new '47 Power Pentode an output of 3000 milliwatts has been obtained—a remarkable accomplishment indeed! No sacrifice whatever of either Selectivity or Tone Quality has been made to output; even in highly congested metropolitan districts no difficulty is experienced with interference from station on near-by channels and the Tone is far better than that ordinarily experienced in sets having more tubes. The tubes used are 1-58, 1-57, 1-47 and 1-80. Size of cabinet, 14½ ins. wide, 10¼ ins. high, and 9½ ins. deep. Shpg. Wt., 00 Lbs.

Model R-73: Lafayette 4-Tube "Souvenir" Midget with Dynamic Speaker for 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code DUCAL. List, \$45.00. Your Cost **\$19⁹⁵**

Model R-74: Lafayette 4-Tube "Souvenir" Midget with Dynamic Speaker for 220-240 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code DRYAD. List, \$48.00. Your Cost **\$21⁹⁵**

Shpg. Wt. 22 lb.

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

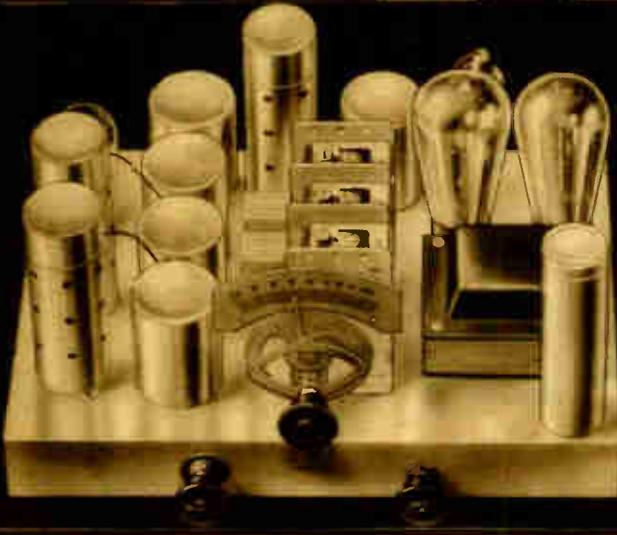
LAFAYETTE 7 TUBE SUPER HET

AUTOMATIC VOLUME CONTROL
NEW HIGH GAIN TUBES

FULL-VISION DIAL

BUILT-IN ANTENNA

STONE CONTROL



MANY FINE FEATURES

Some of the features of this Lafayette are **AUTOMATIC VOLUME CONTROL**, which is unusually efficient in preventing blasting and station fading, **LAFAYETTE PERFECTED TONE CONTROL**, making it possible for the operator to accentuate easily the treble or bass section of the reproduction, **MANUAL VOLUME CONTROL**, giving easy and gradual variation of volume, **GENUINE DYNAMIC SPEAKER**, and **FULL VISION DIAL**, accurately calibrated in kilocycles, giving you the entire broadcast band before your eyes.

Here is a big, 7 tube Superhet receiver, incorporating the latest developments in Superhet construction, at a remarkably low price. The quality built into this set is remarkably high. Lafayette standards of workmanship and construction have been faithfully adhered to. Performance is of the best—reproduction clear, true-life and undistorted—tone quality unusually brilliant and realistic. Selectivity and sensitivity are far in excess of normal requirements.

The highly developed superheterodyne circuit, incorporating the use of new **HIGH GAIN** tubes to their fullest advantage, features double diode detection. Tubes used are 1-57 Exponential triple screen grid as Pre-Amplifier, 1-56 Triode as Oscillator, 1-58 Exponential triple screen grid as First Detector, 1-58 Exponential triple screen grid as Intermediate Amplifier, 1-55 Duo-diode triode as Second Detector, 1-47 Power pentode as Output, and 1-80 Full wave rectifier.



Little Symphony Cabinet

The cabinet of this combination, known as the **LITTLE SYMPHONY**, is a beautifully simple example of fine furniture craftsmanship.

The Phonograph Turntable and Pick-up are of the most advanced type. It reproduces the music of the new electrically cut records in brilliant form. The music is gathered up by the Pick-up and fed to the audio system of the radio, where it is amplified and delivered through the powerful dynamic speaker with tremendous volume and faultless clarity.

30 DAYS
free
TRIAL

This Lafayette 7 Tube Superhet, like all other Lafayette Models, may be purchased under our famous 30 days' free trial offer. Try any Lafayette in your own home for 30 days. **COMPARE** your Lafayette with similar receivers. If you are not absolutely sure that your Lafayette represents the finest dollar-for-dollar value you can get, return it to us at the end of 30 days and your money will be cheerfully refunded.



Here is a 7 Tube Superhet that will impress you more every time you hear it! Big Performance from Compact Construction! Never before has so much been realized from 7 tubes. Never before has such keen Selectivity, such amazing Sensitivity and such abounding Power been possible... It will sell itself wherever it is shown.

The cabinet is in keeping with the fine quality of the receiver, carefully constructed throughout. It is extremely substantial and well made, with a noticeable flare for quiet refinement. Stately, dignified lines bring out the full beauty of this excellent piece of furniture.

- | | |
|---|--------------------------|
| Model M-35: Lafayette 7 Tube Superhet Chassis with matched Dynamic Speaker for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code BUGLE. List, \$56.00. | \$24⁹⁵ |
| Your Cost..... | |
| Model M-36: Lafayette 7 Tube Superhet Chassis with matched Dynamic Speaker for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code DAMON. List, \$60.00. | \$27⁷⁵ |
| Your Cost..... | |
| Model M-37: Lafayette 7 Tube Superhet Mantel Receiver for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code DANDY. List, \$42.50. Year Cost..... | \$27⁹⁵ |
| Model M-38: Lafayette 7 Tube Superhet Mantel Receiver for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code DANCE. List, \$48.00. Year Cost..... | \$30⁷⁵ |
| Shpg. Wts., Chassis 28 lbs., Receiver, 42 lbs. | |
| Model M-53: Lafayette 7 Tube Superhet Phono-Radio Combination as Illustrated. For 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code DONOR. | \$54⁷⁵ |
| List, \$122.00. Year Cost..... | |
| Model M-54: As above for 220-240 volts, 25-40 cycles A.C. Code DROKE. List, \$125.00. | \$58⁷⁵ |
| Your Cost..... | |

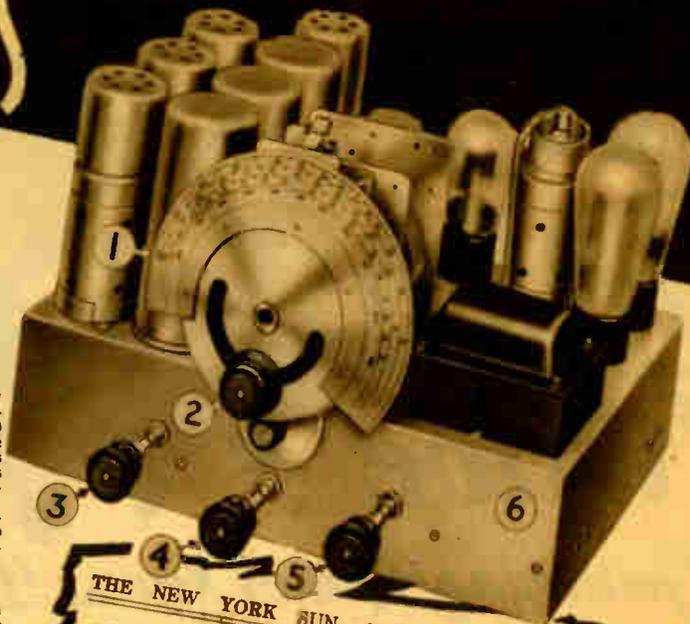
LAFAYETTE DUAL-WAVE

with the new
HIGH GAIN TUBES

8
TUBES

**SUPER
HET**

12-550 METERS



Enjoy short and broadcast wave reception with this new Lafayette Dual Wave 8-Tube Superhet, using the remarkable new High-gain Tubes. Tunes from 12 to 550 meters, with performance on short and long wave reception previously deemed impossible. You'll like this set—it's a thoroughbred, built with Lafayette standards of perfect performance and satisfactory service. Features of this receiver are HIGH-GAIN TUBES, AUTOMATIC VOLUME CONTROL, TONE CONTROL, ADVANCED SUPERHET CIRCUIT, CALIBRATED 2-SPEED DIAL AND A SCIENTIFICALLY-CONSTRUCTED CABINET OF OUTSTANDING BEAUTY.

NEWEST AUTOMATIC VOLUME CONTROL

The Automatic Volume Control prevents blasting from powerful local stations when, by necessity the volume control is advanced for tuning to weak or distant stations. It also minimizes fading since it tends to maintain a constant volume level as determined by the setting of the volume control.

Four different Frequency Bands are covered. Band No. 1: 194 to 555 meters on which general Broadcasting is done. Band No. 2: 72.4 to 216 meters; Band No. 3: 32.3 to 96.2 meters. Band No. 4: 12 to 33 meters.

IMPROVED SUPERHETERODYNE CIRCUIT

No Plug-In Coils

Results from this improved superhet circuit are made possible by the use of the new High-Gain Tubes. An innovation of importance is the band selector switching arrangement, a rotary type with which enough combinations may be had at a single turn to afford individual peaking and padding of the oscillator. Another special feature is that a portion of the voltage generated in the radio frequency Automatic Volume Control is used to govern the audio amplification, preventing overloading and reducing distortion.

Chassis are available with Dual Speakers at \$3.75 extra

THE NEW YORK SUN, SATURDAY, AUGUST 6, 1932.

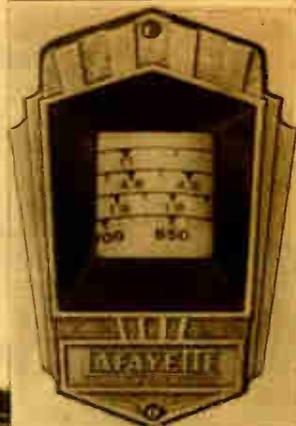
**EXPERIMENT SHOWS INCREASING
QUALITY OF SHORT-WAVE SETS**

Rome Was First Call.
The first station tuned in was Rome, a Lafayette all-waves receiver (at the extreme right in the illustration) being used. This was at about 4:30 in the afternoon. Symphonic music of fine quality was heard for twenty minutes, and then a woman announcer, the only one of her sex on the short waves, clearly said "Radio Roma Napoli." The word "radio" was pronounced "radio." The woman's remarks left no doubt about the source of the signals, which were fairly steady and loud enough to be heard throughout a two-family house.

TUBES USED

Eight tubes are used in this circuit as follows: 1-'58 as first detector; 1-'58 oscillator; 1-'58 first intermediate frequency; 1-'58 second intermediate frequency; 1-'55 second detector; 2-'47s push-pull audio output, and 1-'80 rectifier. The '47s are fed directly from the new type 55 duplex Diode Triode Automatic Volume Control Detector Tube. Quality of reception is of the finest. The fidelity curve is comparatively flat over the entire audio range from 50 to 4000 cycles. Sensitivity is better than 2½ microvolts per meter with 10 k.c. selectivity.

Such modern features as Tone Control, Matched Dynamic Speaker, Phonograph Jack and an extra heavy cabinet are found in this receiver. Size of cabinet, 19 Ins. high, 16 Ins. wide, and 11½ Ins. deep. Shpg. Wt. 36 Lbs.



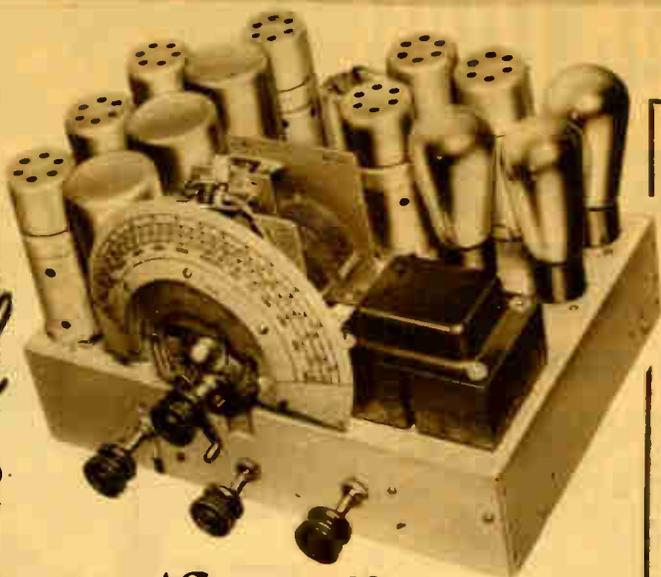
**A CABINET
OF ENDURING BEAUTY**

- Model M-19: Eight Tube Dual Wave Superheterodyne Chassis and Dynamic Speaker for 110 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Natty. **\$34.50**
List, \$77.00. Your Cost.....
- Model M-40: As above except for 220-240 volts, 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Nicc. **\$37.50**
List, \$83.00. Your Cost.....
- Model M-41: Lafayette Dual Wave 8-Tube Superhet Receiver in cabinet as illustrated. For 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Nixie. **\$38.75**
List, \$86.50. Your Cost.....
- Model M-42: As above except for 220-240 volts, 25-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Nomad. **\$41.75**
List, \$92.50. Your Cost.....

Shpg. Wts.—Chassis, 36 Lbs., Receiver, 48 Lbs.

LAFAYETTE SUPERHETERODYNE

10 TUBE Dual Wave



Special new type two speed dial, accurately calibrated in the 4 bands covered. Single station selector tunes all wave bands. Convenient panel knob is used for switching from one band to another.

Featuring Radios Newest Discovery

This new 10 tube Dual Wave Superheterodyne is specially designed around the High Gain Tubes recently developed. Its performance is remarkable in every respect. Short Wave and Broadcast reception are extraordinarily fine.

With this great Lafayette, you can get Foreign Short Wave Stations, Radio Amateur Broadcasting, Aircraft and Police Calls, and General Broadcasting on the four different frequency bands. Band No. 1: 194 to 555 meters. Band No. 2: 72.4 to 216 meters. Band No. 3: 32.3 to 96.2 meters. Band No. 4: 12 to 33 meters: Tubes used, 1-58 1st detector, 1-56 1st oscillator, 2-58s 1st and 2nd I. P., 1-55 2nd detector, 1-56 1st audio, 1-56 Blocking tube, 2-47s Push pull audio output, 1-80 Rectifier.

Seven Sensational Features

1. **NOISE SUPPRESSOR**—radio's most remarkable step forward—overcomes Man-Made Static.
2. **AUTOMATIC VOLUME CONTROL**—prevents nerve wracking blasting and stops fading.
3. **HIGH GAIN TUBES**—utilized in a powerful Superheterodyne circuit to their fullest advantage.
4. **PUSH PULL OUTPUT**—Greater undistorted volume increases pleasurable reception.
5. **PHONO ATTACHMENT**—An added convenience for music lovers.
6. **CALIBRATED DIAL**—Permits easier, simplified tuning with single station selector.
7. **TUNING CONTROL**—Two speeds, one of very high ratio for short wave tuning.

AUTOMATIC NOISE SUPPRESSOR

The bane of enjoyable radio reception, man-made static, is overcome by this startling new development—AUTOMATIC NOISE SUPPRESSOR. When no signal is being received the AUTOMATIC NOISE SUPPRESSOR prevents any audio signal from passing to the first stage, eliminating the "between station noises". Electrical interference from vacuum cleaners, refrigerators, elevators, etc., is rejected. With Automatic Volume Control, which maintains the volume of all stations received at a constant level, perfect radio reception is now a reality. This ultra modern Lafayette, with Automatic Noise Suppressor and Automatic Volume Control, will give you the thrill of a lifetime when you hear it perform. Listen to it for 30 days—and discover what reception should be!

Cuts Out MAN MADE STATIC

Complete with Genuine
R.C.A. or Arceturus Tubes

MODEL M-47: Lafayette 10 Tube Superheterodyne Chassis and Matched Dynamic Speaker for 105-120 volts 50-60 cycle A.C. Complete with Genuine RCA or Arceturus Tubes. Code Maple. List \$93.50 **\$41.75**
Shpg. Wt., 38 lbs. Your Cost

MODEL M-48: Lafayette 10 Tube Superheterodyne Chassis and Matched Dynamic Speaker for 200-240 volts 25-40 cycle A.C. Complete with Genuine RCA or Arceturus Tubes. Code Mango. List \$100.00 **\$44.75**
Your Cost

Chassis are available with
Dual Speakers at \$3.75 extra

MODEL M-49: Lafayette 10 Tube Superheterodyne Receiver in Cabinet as illustrated for 105-120 volts 50-60 cycle A.C. Complete with Genuine RCA or Arceturus Tubes. Code Molar. List \$103.00 **\$46.50**
Your Cost

Model M-50: Lafayette 10 Tube Superheterodyne Receiver in Cabinet as illustrated for 200-240 volts 25-40 cycle A.C. Complete with Genuine RCA or Arceturus Tubes. Code Magna. Shpg. Wt., 50 lbs. **\$49.00**
List, \$110.00. Your Cost



LAFAYETTE

8 AND 10 TUBE DUAL WAVE SUPER-HETS



Lafayette
**PATRICIAN
CONSOLE**

**Phono - Radio
Midget
Combination**

We equip the beautiful PATRICIAN CONSOLE illustrated above with either the 8-Tube Dual Wave Superheterodyne Chassis described on page 7 or the 10-Tube Dual Wave Superheterodyne Chassis described on page 3. With either Chassis and the special matched Dynamic Speaker we furnish it makes a completed Radio of outstanding appearance and performance. The six legs of this very modish Console are beautifully turned and fluted. Radio panel is of burl walnut veneer, flanked by gorgeously fluted pillars in rich American walnut finish. Arch and apron are of a beautifully patterned veneer simulating Japanese ash. Genuine wood carvings used throughout. Size, 17 1/2 Ins. high, 25 Ins. wide and 13 Ins. deep. Shpg. Wt., 11 Lbs.

The Phono-Radio cabinet shown above may be had with either the 8-Tube Dual Wave Superheterodyne Chassis fully described on page 7 or the 10-Tube Dual Wave Superheterodyne Chassis described on page 3. The phonograph equipment of this splendid combination consists of a DUAL SPEED PHONOGRAPH MOTOR and Turntable which plays either the conventional 78 r.p.m. records or the NEW 33 1/2 r.p.m. records; an electric Pick-up of the finest quality and most modern design. This combination will provide ultra-fine reproduction of either broadcast or recorded programs and project them with great clearness and volume through its powerful Dynamic Speaker. Beautiful and well proportioned cabinet finished in American walnut with contrasting overlays of rare veneers. Size, 19 Ins. wide, 15 Ins. deep, and 23 1/2 Ins. high. Shpg. Wt., 80 Lbs.

Model M-61 Lafayette Patrician with 8-Tube Super-het Chassis and Speaker for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code SPIRIT. List, \$107.50

\$4795

Your Cost
Model M-62 as above for 220-240 volt, 25-60 cycle A.C. Code SPOKE.

\$5095

List, \$115.00. Your Cost
Model M-63 Lafayette Patrician with 10-Tube Super-het Chassis and Speaker for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code SPRAY. List, \$122.00

\$5495

Your Cost
Model M-64 as above for 220-240 volt, 25-60 cycle A.C. Code SPENT

\$5795

List, \$127.00. Your Cost

Model M-59. With 10-Tube Dual Wave Superheterodyne Chassis and Speaker for 1-5-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code STOUT.

\$7325

List, \$165.00. Your Cost
Model M-60. As above for 220-240 volt, 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code STORK. List, \$172.00

\$7725

Your Cost
Model M-55. With 8-Tube Dual Wave Superheterodyne Chassis and Speaker for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code STOWE.

\$6700

List, \$150.00. Your Cost
Model M-56. As above for 220-240 volt, 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code STOOP. List, \$160.00

\$7100

Your Cost

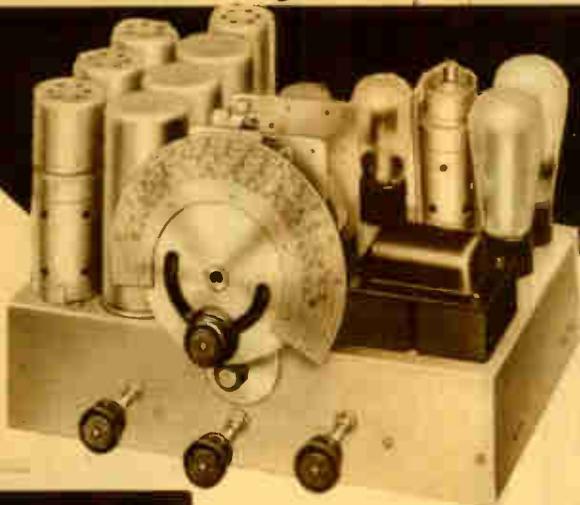
8 TUBES This GREAT LAFAYETTE TRIO-WAVE SUPERHET

Covers Wave Bands used in Every Country in the World

**SHORT-
BROADCAST
and
LONG
WAVES**

**WAVE
SELECTOR
SWITCH**

**No Plug-in
Coils**



12-2000 METERS

Here is a set that covers the wave bands used in every country on the globe. Pulls in all types of reception. Amateur, Coast Guard, Police Call and foreign stations on the short wave band—American and Canadian broadcasting on the broadcast band—and foreign stations on the long wave bands in countries where stations broadcast on the long wave bands. Short and Broadcast Bands are the wave bands used in this country, while some foreign countries use the long wave bands. The Lafayette Trio-Wave covers the complete range from 12 to 2000 meters.

Sensitivity and selectivity are unusually great in this receiver, the sensitivity rating, for example, being less than 1 micro-volt per meter. Other outstanding features are CALIBRATED DIAL, accurately calibrated in all the bands covered, with a single station selector, TUNING CONTROL, which has two speeds, one speed being very high ratio for short wave tuning, PHONOGRAPH ATTACHMENT, FINE DYNAMIC SPEAKER, etc.

NEW TYPE HIGH GAIN TUBES

The circuit of this great superhet has been carefully engineered in every detail. Pull use is made of the potential possibilities of the new High Gain tubes, which have made such a set possible. Tubes used are 3-58s, 2-57s, 1-56, 1-47, and 1-80. The dimensions of the chassis are—9 ins. high, 10 ins. deep, 13½ ins. wide.

AUTOMATIC VOLUME CONTROL

A particularly fine feature of the Lafayette Trio Wave is FULL AUTOMATIC VOLUME CONTROL, which has made reception infinitely more pleasurable. It minimizes fading and prevents blasting from strong local stations.

ATTRACTIVE CABINET

This good looking cabinet is made much heavier than the average type, because of the great power of the chassis. Walls and front are thicker to provide adequate baffle area. Excellent cabinet work and purity of design are featured throughout. Size of cabinet, 19 ins. high, 16 ins. wide, 11½ ins. deep. Shpg. Wt., 36 lbs.

**Chassis are available with
Dual Speakers at \$3.75 extra**

**30 DAYS
free
trial**



**NEW PRICES Complete with Genuine
LOW R.C.A. or Arcturus Tubes**

- Model M-43—Lafayette 8 Tube Trio-Wave Superheterodyne Chassis and Matched Dynamic Speaker for 105-120 volts 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code MUSIC. List, \$82.00. Your Cost..... **\$36⁹⁵**
- Model M-44—Lafayette 8 Tube Trio Wave Superheterodyne Chassis and Matched Dynamic Speaker for 200-240 volts 25-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code MOTTO. List, \$88.00. Your Cost..... **\$39⁹⁵**
- Model M-45—Lafayette 8 Tube Trio Wave Superheterodyne in Cabinet as illustrated for 105-120 volts 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code MOUNT. List, \$92.00. Your Cost..... **\$40⁷⁵**
- Model M-46—Lafayette 8 Tube Trio Wave Superheterodyne in Cabinet as illustrated for 220-240 volts 25-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code MORAY. List, \$97.00. Your Cost..... **\$43⁷⁵**

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

Lafayette

8 TUBE

TRIO WAVE

Midget Phono Radio



Here is the ultimate in combinations—everything in radio, short wave, broadcast and long wave for countries where broadcasting is done on the long waves—plus the finest type of reproduction. This phono-radio contains the Lafayette 8-Tube Trio Wave, together with a complete Electric Phonograph Turntable and Pick-up, in a specially designed cabinet of great utility and beauty.

Excellent Reception

The chassis used is the 8-Tube Trio Wave described on the opposite page. This new Lafayette covers the complete wave band range from 12 to 2000 meters, which takes in all types of short wave, broadcast and long wave stations. Particular attention has been paid to sensitivity and selectivity in this receiver, with a re-

sulting increase in operating efficiency.

The Phonograph Turntable and Pick-up are of the most advanced type. It reproduces the music of the new electrically cut records in brilliant form. The music is gathered up by the Pick-up and fed to the audio system of the radio, where it is amplified and delivered through the powerful dynamic speaker with tremendous volume and faultless clarity.

Little Symphony Cabinet

The cabinet of this combination, known as the LITTLE SYMPHONY, is a beautifully simple example of fine furniture craftsmanship. The radio panel is of select rotary walnut veneer with flanking arch and pilasters overlaid with shaded veneer. Sides are of heavy fine ply straight grain veneers to provide adequate baffle area. The extra heavy top which is swung on piano hinges has deeply recessed moulding of neat design. Heavy moulding and substantial feet support the console one inch away from the supporting surface. Escutcheon is of statuary bronze, knobs of American walnut finish, matching the console. Speaker opening covered with shimmering gold color grill cloth. Size, 19 ins. wide, 15 ins. deep and 23 1/2 ins. high. Shpg Wt., 80 Lbs.

SEE PAGE 10 FOR CHASSIS DESCRIPTION

Model M-57: 8-Tube Trio Wave Midget Phono-Radio for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code ELFIN. List, \$157.00. **\$70²⁵**
Your Cost

Model M-58: 8-Tube Trio Wave Midget Phono-Radio for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code EAVES. List, \$165.00. **\$74²⁵**
Your Cost

LAFAYETTE SIX TUBE SUPERHET

TUNES 200-2000 METERS

Here is another outstanding Lafayette Value. A big, powerful, 6-tube Dual Broadcast Superhet, at a remarkably low price. This Broadcast and Long Wave set is a Dual Broadcast Receiver—tunes 200 to 2000 meters—American Wave Bands—European and Foreign Wave Bands in countries where stations broadcast on Long Waves.

Advanced Superhet Circuit

Great care has been exercised in the scientific engineering of this superhet circuit. Radiation interference with other nearby sets—a common complaint with Superhet receivers, has been eliminated by complete shielding of the receiver.

Sensitivity is extremely fine—selectivity may best be described as Hair-Line Selectivity, accomplished with the total elimination of background noises and other station interference. Tubes used in this set are: 1-56, 2-57s, 1-58, 1-47, 1-80.

Lafayette Perfected Tone Control

One of the features of this set is LAFAYETTE PERFECTED TONE CONTROL, which permits the listener to modulate the tone to his own individual taste, accentuating the bass or treble notes, as

preferred. The entire audio circuit of this Lafayette has been specially engineered to conform to the requirements of the Pentode tube, assuring tonal reproduction of exceedingly fine quality. The genuine dynamic speaker is matched to the requirements of the chassis. Has Phono Tip Jacks.

Modern New Cabinet

The cabinet of this set has modern, graceful lines that lend beauty and distinction to its appearance. Its slender lines are a tribute to the excellent taste displayed in the creation of the cabinet. No undue economy of materials has been permitted. The quality of the woods used is very high. Finish is of the finest lacquers. Dimensions of cabinet are: 19 ins. high, 14 ins. wide, 10 ins. deep. Shpg. Wt., 38 Lbs.

Model M-33: Lafayette 6-Tube Dual Broadcast Superhet with Dynamic speaker for 105-120 volts, 50-60 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code EDICT. List, \$72. **\$32⁵⁰**
Your Cost

Model M-34: Lafayette 6-Tube Dual Broadcast Superhet with Dynamic speaker for 220-240 volts, 25-40 cycles A.C. Complete with Genuine RCA or Arcturus Tubes. Code EMBER. List, \$77. **\$34⁵⁰**
Your Cost



DUAL BROADCAST

American Wave Bands—European Wave Bands

Shuts Out *man-made* STATIC!

..for the first time..

PERFECT RADIO RECEPTION!

**STOP THOSE
RADIO
HEADACHES!**



A new Lafayette triumph! Lafayette's latest and greatest—with a list of features that sounds like the radio engineer's dream of the "perfect" radio set. A big, new 12-tube De Luxe Superhet, with the Lafayette Noise Suppressor which shuts out man-made static between stations.

Silent Tuning Assured

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

12-TUBE SUPERHET CIRCUIT

Eight tuned circuits are used in this new superhet. Chassis licensed under R.C.A. and Hazeltine patents. Battleship construction used throughout chassis. Dimensions of chassis are 17 1/4 inches wide, 12 1/4 inches deep, and 9 inches high. Tubes used include: Two '46 Class "B" Type Amplifier in the modified push-push (semi-class "B") third audio frequency stage; Three '56 improved triode used in the oscillator stage, in the 2nd detector stage and in the second audio frequency stage; Two '57 improved screen-grid used in the cut-out stage for the automatic interference suppressor and in the first audio frequency stage; Four '58 improved vari-mu used in the radio frequency stage, in the mixer (1st detector) stage, in the first intermediate frequency and second intermediate frequency stages; One '82 mercury vapor used as alternating current rectifier.

EVERY MODERN IMPROVEMENT

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

NEW HEIGHTS OF SENSITIVITY AND SELECTIVITY

The sensitivity or ability to receive distance programs of this remarkable receiver is rated at less than one microvolt (one millionth of one volt) per meter. Selectivity is carefully adjusted to ten kilocycles separation. The common complaint of side band cutting is eliminated by precision adjustment of the intermediate frequencies.

Output of receiver is potentially 18 watts but the regular output has been reduced to 10 watts for reasons of stability and protection of the speaker. Current consumption is 110 watts. Stability is made certain through the use of extremely close tolerances.

RADIO'S FINEST REPRODUCER

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

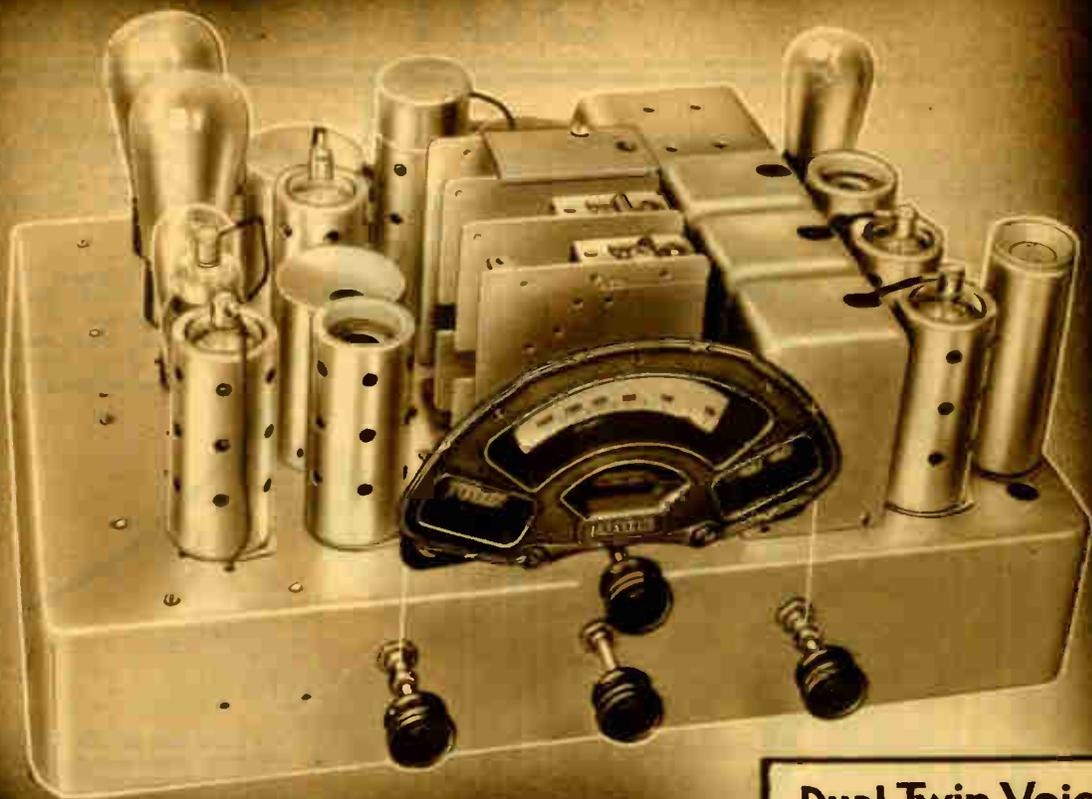
The control arrangement includes illuminated full vision tuning, volume control and tone control dials with illuminated tuning meter and four knobs—one for tuning, another for manual volume control, another for adjustment of the automatic interference suppressor and the fourth for tone control.

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

Model L-1: Lafayette 12-Tube Superhet chassis with Twin Speakers for 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Areturus Tubes. Code Brizz. **\$52⁵⁰**
List, \$117.50. Your Cost

Model L-2: Lafayette 12-Tube Superhet chassis with Twin Speakers for 220-240 volts, 40 cycles, or 110 volts, 25 cycles. Complete with Genuine RCA or Areturus Tubes. **\$57⁵⁰**
Code Bruin. Shpg. Wt., 60 lbs. List, \$125.00. Your Cost

THE LATEST AND GREATEST *Lafayette*
12 TUBE DE-LUXE
SUPER-HET



Dual Twin Voice
Dynamic Speakers



★ **SHUTS OUT MAN-MADE STATIC**—new automatic noise suppressor, radio's greatest advancement, rejects interference and noises between stations from electrical appliances, etc.

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

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

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

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

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

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

Two Splendid Cabinet

12 TUBE SUPERHET



The VICEROY

A 12 Tube Superheterodyne combining the advantages of faultless Radio Reception with an exceedingly fine example of furniture craft.

Turn to pages 12 and 13 and read the complete description of the chassis which makes the VICEROY one of the outstanding Radio values of the year.

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

The CONSOLE

The design of this cabinet is the creation of a furniture stylist and artist, faithfully followed by the master craftsmen engaged in its construction. Top and sides are of five-ply birch; radio panel of center matched rotary walnut veneer. Arch is of matched lacewood with contrasting overlays. Flanking the radio panel are pilasters of beaded and fluted hardwood. The apron and understructure follows the outline of pilasters and panel, and are flanked on both sides with gracefully turned moulding which join apron to the legs. The same motif is carried out in all four legs, which are braced with bentwood stretchers. Extremely massive construction used throughout, with careful attention paid to correct baffle areas. A truly beautiful and artistic console. Size, 42 ins. high, 25 ins. wide and 14 1/4 ins. deep. Shpg. Wt., 115 lbs.

Model L-6: Lafayette 12 Tube De Luxe Superhet for 220-240 volts A.C. Complete with Genuine RCA or Arcturus Tubes. Code FLORAL. List, \$160.00. Your Cost..... **\$71²⁵**

Model L-5: Lafayette 12 Tube De Luxe Superhet for 105-110 volts A.C. Complete with Genuine RCA or Arcturus Tubes. Code FANCY. List, \$150.00. Your Cost..... **\$66⁵⁰**

Models of the Lafayette

DE LUXE -ERODYNE

The REGENT Model

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

Turn back to pages 12 and 13 and read the detailed description of the chassis which is contained in this marvelous Receiver. Here is the finest Lafayette in Lafayette history—**a Radio De Luxe!**

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

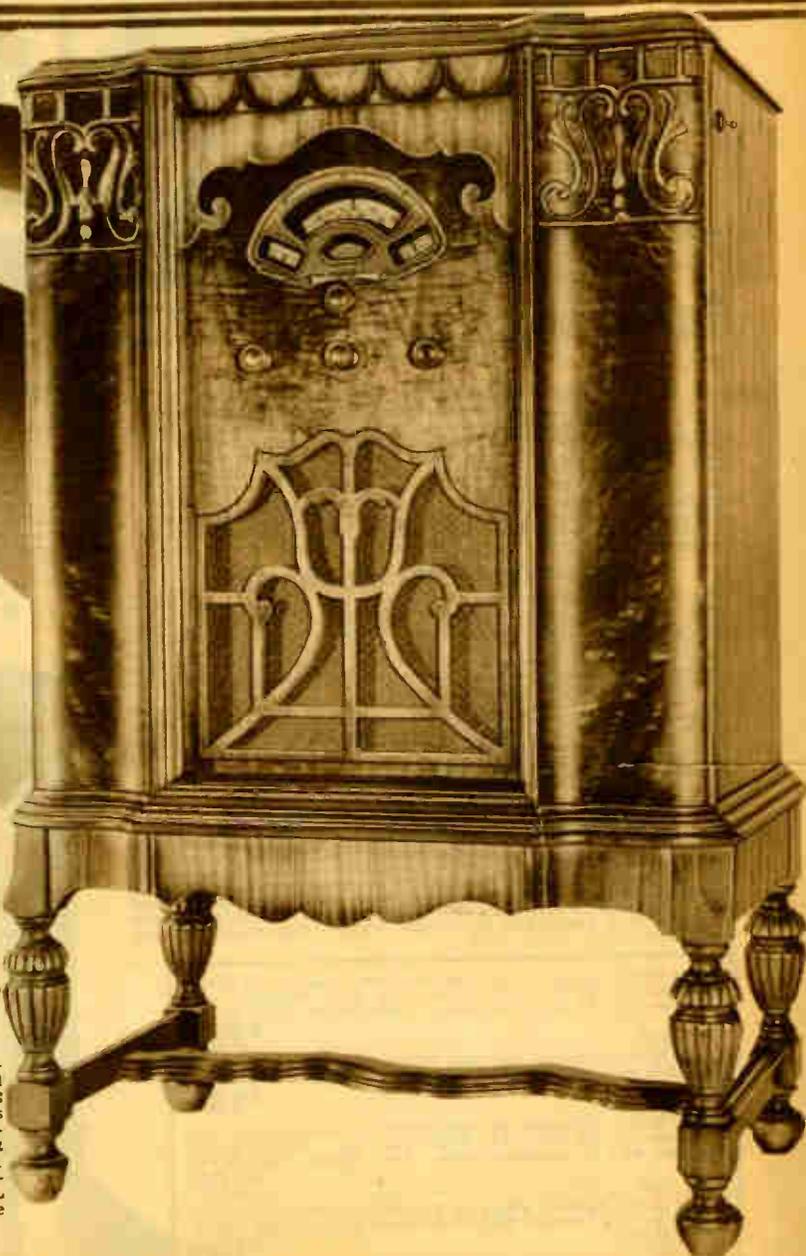
There is comforting satisfaction in owning a hundred horse-power automobile capable of a hundred miles per hour. Not because you want to drive that fast, but because you like to know that should you care to you can out-distance others. By the same token it is comforting to own such a Receiver as the REGENT with its wealth of Power, acute Sensitivity and hair-line Selectivity. Not because the ordinary demands of radio reception call for such extraordinary performance, but because you like to feel that radio entertainment is available to you that is not accessible to those less luxuriously equipped.

EVERY MODERN FEATURE

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

MASSIVE CONSOLE

The Console of the REGENT is truly a masterpiece. Designed by an artist, made by master craftsmen from a wide variety of hardwood veneers it stands alone in its class and elegance. Double sweep pilasters of choice burl walnut flank the radio panel of beautifully grained rotary walnut. In contrast arch and apron are of oriental walnut lighter in tone. Legs and under-structure are beautifully carved and turned. Size, 42 ins. high, 26 ins. wide and 15 ins. deep. Shpg. Wt., 115 lbs.



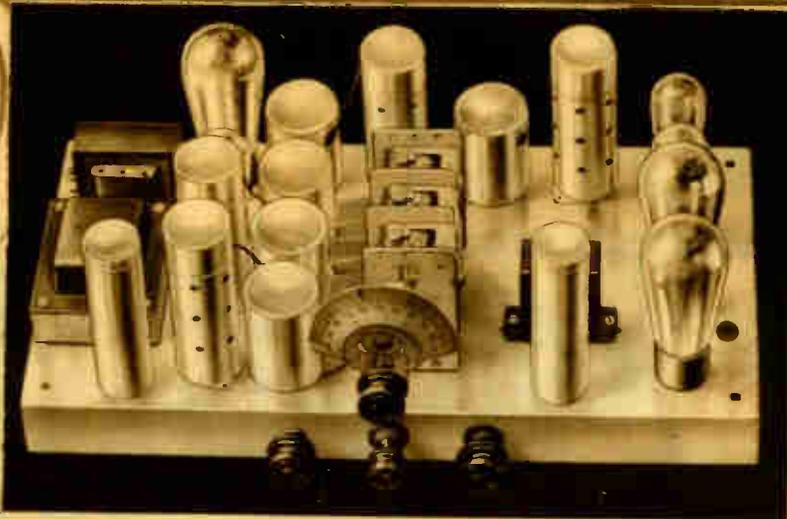
FINER YET LOWER IN PRICE!

Model L-3: Lafayette 12 Tube De Luxe Superhet for 105-110 volts A.C. Complete with Genuine RCA or Arcturus Tubes. Code FLUTE.	\$77⁵⁰
List, \$175.00. Your Cost.....	
Model L-4: Lafayette 12 Tube De Luxe Superhet for 220-240 volts A.C. Complete with Genuine RCA or Arcturus Tubes. Code FLYER.	\$82⁵⁰
List, \$181.50. Your Cost.....	

LAFAYETTE SUPERHET

10
TUBES

LAFAYETTE
TONE
CONTROL



Dual
Speakers

AUTOMATIC
VOLUME
CONTROL

Featuring ADJUSTABLE MUTING SYSTEM

Featuring Adjustable Muting System

Value! Lafayette quality at an amazingly low price. Here is a big, powerful 10 tube Superheterodyne with a list of features that includes the newest developments in radio. Plus Adjustable Muting, a device which renders the set absolutely silent excepting when stations of a desired signal strength are accurately tuned in. This eliminates the noise, electrical interference and man-made static between stations. This new Lafayette 10 Tube Super will give you a real thrill—quiet, masterful performance under all conditions—a set built to give super satisfaction at a price unbelievably low for a receiver of this type.

AUTOMATIC VOLUME CONTROL

The improved Superhet circuit of this 10 tube receiver incorporates such additional improvements as DIODE DETECTION, MANUAL VOLUME CONTROL, in addition to IMPROVED DUAL SPEAKERS, PERFECTED TONE CONTROL AND ADJUSTABLE MUTING SYSTEM. The use of Automatic Volume Control prevents strong local stations from blasting in at an objectionable volume and reduces the effects of fading on distant stations.

The tubes used in this chassis are 1-'58 used as Pre-amplifier, 1-'56 used as Oscillator, 1-'58 used as First Detector, 1-'58 used as Intermediate amplifier, 1-'55 used as Second Detector, 1-'56 used as muting tube, 1-'56 used as First audio amplifier, 2-'47s used in push pull output, and 1-'20 Full Wave Rectifier.

Dimensions of chassis are 6½x9x18 in.

BEAUTIFUL CABINET MODEL

The cabinet of this 10 tube superhet is exceptionally beautiful, with futed pilasters flanking American walnut radio panel, capped with lace wood arch and genuine wood carving cap, and attractive moulding. Full fashioned top of select grain American walnut veneer. Six legs classic design. Gothic speaker opening backed with gold colored cloth. Finished in American walnut with pressed composition knobs to match and escutcheon of antique bronze. Dimensions 42½ in. high, 25 in. wide, 13 in. deep.

IMPROVED DUAL SPEAKERS

Another outstanding feature is the use of DUAL SPEAKERS of the very finest quality. They are made in pairs with different frequency characteristics, thus giving increased maximum power without distortion and greater tone fidelity over a wider range of audio frequencies. These golden voice dynamic speakers lend new color and realism to true reproduction. In addition, LAFAYETTE PERFECTED TONE CONTROL permits you to suit your own tone requirements—accentuate the bass or treble notes, as preferred.

Complete with Genuine
R.C.A. or Arcturus Tubes



Model M-65: Lafayette 10 Tube Superhet Chassis with Single Speaker for 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Gable. List, \$72.00.

Your Cost **\$32.25**

Model M-66: Same as above for 220-240 volts, 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Gamut. List, \$81.50.

Your Cost **\$36.25**

Model M-67: Lafayette 10 Tube Superhet Chassis with Dual Speakers for 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Gemel. List, \$86.00.

Your Cost **\$36.00**

Model M-68: Same as above for 220-240 volts, 25-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Genus. List, \$89.00.

Your Cost **\$40.00**

Model M-51: Lafayette 10 Tube Superhet Console with Dual Speakers for 105-120 volts, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Glory. List, \$110.00.

Your Cost **\$49.75**

Model M-52: Same as above for 220-240 volts, 25-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code Grace. List, \$119.00.

Your Cost **\$53.75**

Shipping Weights, Chassis, 50 Lbs. Receiver, 120 Lbs.

LAFAYETTE DUAL WAVE D.C. DIRECT CURRENT

TWO IMPROVED MODELS FOR 110 VOLT DIRECT CURRENT OPERATION THAT COMPARE FAVORABLY WITH THE AVERAGE A. C. SET

6 Tube DIRECT CURRENT Super-Het.

Those who live in districts served by 110 volt direct current electric supply lines need no longer be denied the pleasure of quality Radio entertainment, for here are two direct current models which leave nothing to be desired in either Tone Quality, Sensitivity, Selectivity or Power. This SIX TUBE DUAL WAVE MODEL tunes from 60 to 550 meters, providing its owner with superb entertainment on both short waves and broadcast bands. The change over from short waves to Broadcast is accomplished by a simple turn of one of the knobs on the radio panel as there are NO PLUG-IN COIL TO CHANGE. The circuit is of the most modern SUPER-HETERODYNE design, taking full advantage of the New Vari-Mu and Pentode Tubes. A Full Automatic Line Voltage Control keeps the current at just the proper potential,

regardless of line voltage fluctuations. A high-efficiency Dynamic Speaker insures full-throated Volume and flawless Tone. The Cabinet, which is of unusual quality for a receiver in this price range is handsomely finished in American walnut. Sides, bottom and front unusually heavy to provide adequate baffle area. Tubes used are: 1-37, 1-39, 2-33s and 2-36s. Shpg. Wt., 25 Lbs. Model S-93: 6-Tube Direct Current Super-heterodyne for 105-120 volts. Complete with Genuine RCA or Arcturus Tubes. Code BENTY. List, \$70.00
Your Cost \$31.50
 Model S-94: 6-Tube Direct Current Super-heterodyne for 220-240 volts. Complete with Genuine RCA or Arcturus Tubes. Code BISON. List, \$76.00
Your Cost \$34.50



Six Tubes



Four Tubes

4 Tube DIRECT CURRENT Model

A brand new Lafayette 4-tube Dual Wave Receiver for Direct Current operation. Triple Grid Super controlled circuit and Dual Grid power amplification assures extraordinary power and smoothness. Quality throughout—and a D.C. receiver with greatly reduced power consumption. Range 60 to 550 meters for short wave and broadcast reception. Genuine dynamic speaker. Tubes used: 1-39 Super Control R.F. Pentode; 1-36 Screen Grid R.F. Pentode; 1-01A D.C. detector, and 1-71A Power Amplifier. Cabinet of unusual grace and design.

finish of American Walnut with stippled front. Size 13 1/2 inches long, 9 inches high, and 8 inches deep. Shpg. Wt., 25 Lbs.
 Model S-91: 4-Tube Midget for 105-120 volts, Direct Current. Complete with Genuine RCA or Arcturus Tubes. Code BORDER. List, \$41.00
Your Cost \$17.95
 Model S-92: 4-Tube Midget for 220-240 volts, Direct Current. Complete with Genuine RCA or Arcturus Tubes. Code BRAVO. List, \$45.00
Your Cost \$19.95

TRUTEST RECEIVER KIT

New High Gain Tubes P-P Pentode Output

This Kit makes a big chassis employ 3 stages of sharply tuned pentode R.F. followed by linear power detector, resistances coupled to a high gain audio stage using a new type 56 and transformer coupling push-pull pentodes in the output stage. While tremendous gain is obtained from this system the set is entirely free from regeneration and harm. It has been developed by one of our engineers in response to a growing demand among our customers for a receiver which they could assemble and thereby save manufacturing costs. This Kit offers wide awake Radio men real opportunity! Build it in your spare time! Install it in one of our attractive cabinets listed in our catalog and you have a custom built receiver of the first order. Note that only the finest components have been included in this kit. Such material together with the advanced engineering principles around which it is designed cannot fail to give custom-made results. Tubes used: 3-58s, 1-57, 1-56, 2-47s, and 1-80. For 110-120 volt, 50-60 cycle A.C. current.

LIST OF PARTS

- 1 Metal chassis; 15 1/2 ins. 1 1/4 ins.
 - 1 Polymet Power Transformer.
 - 1 4 gang Scoville Condenser.
 - 4 Shielded low loss R.F. coils.
 - 2 Trutest Electrolytic 8 mfd condensers.
 - 1 Full range Dial.
 - 1 Sangamo Push-Pull input transformer.
 - 4 Perforated tube shields.
 - 1 Faradon by-pass condenser block.
 - 4 Cornell by-pass condensers.
 - 2 Trutest 5 mfd. Audio by-pass.
 - 1 Electrad switch and volume control.
 - 1 Tone control switch.
 - 3 Special finished knobs and escutcheon.
- Necessary resistors, nut and bolts. Complete prints and instructions.



TUBES

Matched Dynamic Speaker

Your Cost

\$3.95



Y22037—Complete Kit of Parts. Less Tubes.	\$13.75
List, \$35.00. Your Cost	
Y22038—Specially matched 8-inch Dynamic Speaker.	\$3.95
List, \$10.00. Your Cost	
Y22039—Complete Kit of 8 Specially matched Genuine RCA or Arcturus Tubes.	\$5.95
Your Cost	
Laboratory Wiring	\$5.00 Extra

\$13.75
 LESS TUBES and SPEAKER

A SPLENDID SELECTION OF

From the many hundreds of designs Lafayette selected these consoles as being truly representative of Lafayette standards of workmanship, quality and value. Each one is beautiful—a type to fit everywhere.

ANY LAFAYETTE CHASSIS, WITH THE EXCEPTION OF THE 12 TUBE DE LUXE SUPERHETERODYNE LISTED ON PAGES 10 AND 11, CAN BE MOUNTED IN ONE OF THESE CONSOLES.



THE LEGIONNAIRE

The Legionnaire is smart and up-to-the-minute in design and workmanship. Like the other consoles on these pages it represents the finest value we can give you for the money. Here is a moderate priced, good looking cabinet, made of select walnut veneers throughout and handsomely finished. Artistically shaded and finished walnut veneer radio panel with an arch decorated by overlays simulating Japanese Ash. Six generously proportioned and gracefully turned legs are rigidly braced with heavy stretchers. American walnut finish. Size overall 41 1/2 in. high, 23 in. wide, 14 in. deep. Inside dimensions 27 in. high, 19 in. wide, 12 in. deep. Console only. Shpg. Wt., 95 lbs.

S17711—Code PHILIP.
List Price, \$32.50.
Your Cost **\$13⁹⁵**



THE MONARCH

This massive console is a masterpiece of the cabinet-maker's art. It was especially designed by a well-known artist and made by master craftsmen. Top and sides of five-ply birch; radio panel of center matched rotary walnut veneer. Arch is of matched lacewood with contrasting overlays. Flanking the panel are pilasters of beaded and fluted hardwood. Apron and understructure follows the outline of pilasters and panel, and is flanked on either side with gracefully turned mouldings which join apron to the legs. The same motif is carried out in all four legs which are braced with stretchers. Designed to fit into the most luxurious homes. Overall size 42 in. high, 25 in. wide and 14 1/2 in. deep. Inside dimensions 25 in. high, 18 1/2 in. wide and 11 1/2 in. deep. Shpg. Wt., 57 lbs.

S17710—Code BILBO. Console only. List Price, \$35.00. **\$15⁵⁰**
Your Cost

THE ROLANDE

This attractive Queen Anne Console—one of the most beautiful consoles we have ever offered—has sliding doors of select center matched rotary walnut veneer, which are suspended by a special mechanism in such a manner that movement of the door causes the other door to move. Pilasters are of rotary walnut with beaded mouldings at sides and handsome carvings at top. Arch, apron and legs are delicately carved. Radio panel is of center matched reverse diamond oriental walnut veneer, with speaker opening covered in silk grille cloth. Top and sides of five-ply American walnut veneer. Outside dimensions 28 in. wide, 17 1/2 in. deep, 50 in. high. Inside dimensions 24 in. wide, 12 in. deep and 24 1/2 in. high. Shpg. Wt., 95 lbs.

S17712—Code PHILUS. List Price, \$87.00.

Your Cost **\$38⁵⁰**



THE PATRICIAN

A slender, graceful cabinet with lines of unusual appeal. Six legs classic design, with shimmering gold colors backing the Gothic speaker opening. Radio panel is of American walnut, caped with lacewood arch and genuine wood carving cap. Full fashioned top of select grain American walnut veneer. Finished in American walnut with pressed composition knobs to match and eucutcheon of antique bronze. Decorative mouldings. Fine quality woods and skilled workmanship throughout. Dimensions are 42 1/2 in. high, 24 in. wide and 13 in. deep. Inside dimensions 25 1/2 in. high, 20 3/4 in. wide and 11 1/2 in. deep. Shpg. Wt., 61 lbs.

S17709—Code DECUS. Console only. List Price, \$32.50.
Your Cost **\$14⁵⁰**



LAFAYETTE CONSOLES

ANY LAFAYETTE CHASSIS, WITH THE EXCEPTION OF THE 12 TUBE DE LUXE SUPERHETERODYNE LISTED ON PAGES 10 AND 11, CAN BE MOUNTED IN ONE OF THESE CONSOLES.

THE MODERNE

Unusually artistic. This delightfully new console features the six leg design which is the latest trend in radio furniture. Sliding doors that work smoothly and easily, made of center matched burl walnut. Flanked by two pilasters of specially selected Oriental walnut. Genuine wood carvings are used on the arch and apron. Legs are substantially braced by heavy stretchers, and are beautifully carved and turned. Top and sides of grained American walnut veneer. Radio panel is of rotary walnut veneer. Outside dimensions, 47 Ins. high, 27½ Ins. wide, 16½ Ins. deep. Inside dimensions, 28 Ins. high, 24 Ins. wide, 12 Ins. deep.

\$17700—Console only. Shpg. Wt., 120 Lbs.
List Price, \$36.50. Year Cost



THE MADISON

It is seldom that a phonograph-radio combination cabinet as fine as THE MADISON is created. It is almost unnecessary to state that only the finest hardwoods have been used, that the workmanship is by the most skilled craftsman, that the designer is indeed an artist. The sliding doors of this noteworthy cabinet are of center matched butt walnut. Radio panel of straight grain American walnut, flanked by two pillars of match Rotary walnut. Canopy has an inlay of curly African walnut over which is a genuine wood carving in Acanthus. Speaker opening is faced with a golden color grill cloth, and directly underneath is a drop door which when opened reveals a phonograph record compartment. Extra heavy top of 5 ply American walnut veneer covers space for phonograph. Top is suspended on piano hinges with automatic locking bracket. Dimensions: 47½ Ins. high, 24½ Ins. wide and 18½ Ins. deep. Inside Dimensions: 30 Ins. high, 22 Ins. wide, 15½ Ins. deep. Shpg. Wt., 150 Lbs.

\$17707—Code Decal. Console Only, Less Equipment. \$4750
List. Price, \$110.00. Year Cost

\$17700—Code Decr. Console with Capehart Unit, Less Receiver. Shpg. Wt., 120 Lbs. List Price, \$250.00. \$10750
Year Cost



THE CUNNINGHAM

The Cunningham is massive and beautiful beyond description. Easily one of our finest consoles. The above view shows doors in closed position. They are suspended on a patented mechanism which moves both in unison—move one door and the other moves automatically. They are faced with a new sunburst pattern of reverse matched Oriental walnut. Two gorgeously-carved pilasters have center panel of Japanese ash, which adds beauty and contrast. Three similar overlays carry out this motif on the rounded corners of the sub-structure and apron. The radio panel, invisible in the above photograph, is of center matched reverse diamond Oriental walnut veneer. The six proportioned legs are handsomely carved and rigidly braced by means of heavy stretchers. Top and sides of extra heavy select walnut veneer. American walnut piano finish. Outside dimensions: 51½ Ins. high, 28 Ins. wide, 16 Ins. deep. Inside dimensions: 24½ Ins. high, 23 Ins. wide, 10½ Ins. deep.

\$17706—Code Canda. Shpg. Wt., 102 Lbs. List, \$85.00. \$3850
Year Cost



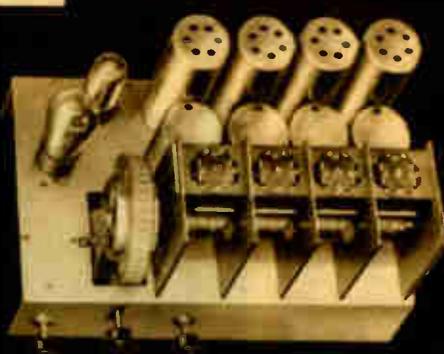
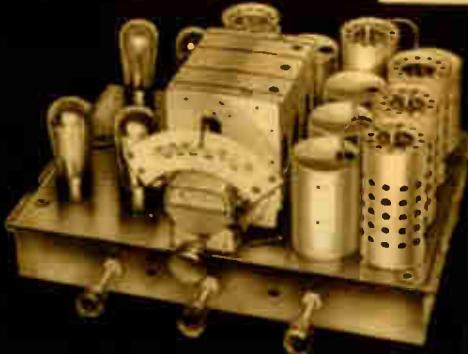
THE MANLYN

A cabinet that attracts admiration and commands respect. This mantel console has an especial appeal to the discriminating home lover who requires a console that will fit unobtrusively and with good taste into any room. The Manlyn is never out of place in the finest furniture ensemble. The front is of American walnut veneer with overlays darkened to simulate black walnut. Speaker opening is covered with silk grille cloth. Sides are of heavy three ply gum wood. Three piece top of solid gum wood. A special feature of the cabinet is the substantial manner in which it is constructed. All joints are mortised and reinforced with heavy blocks, 14 such reinforcements being used. Outside Dimensions are 18 in. High, 10 in. Deep, 15½ in. Wide; inside Dimensions, 15½ in. High, 9½ in. Deep, 13 in. Wide. Shpg. Wt., 15 lbs. Mantel Cabinet Only. List Price, \$7.50. \$325
\$17708—Code Canse. Your Cost



LAFAYETTE BATTERY

Receivers



9 TUBE SUPER HET

6 TUBE TWO VOLTS

This Lafayette 9 Tube Battery Superheterodyne is a remarkably efficient performer. Features of the set are **AUTOMATIC VOLUME CONTROL** (linear or diode type) which assures steady volume of reception and eliminates blasting. **CLASS "B" AUDIO AMPLIFICATION** (push pull) which allows for greater undistorted output with a very low current consumption. **NEW STYLE DYNAMIC SPEAKER, EASY VISION TUNING METER, FULL RANGE TONE CONTROL, and AUTOMATIC BLEEDER CIRCUIT**, which equalises the "B" and "C" battery voltage at the proper potential as the "B" batteries deteriorate through use and age.

Powerful Performance

Homes without electric current can get the same type of modern radio reception as wired homes with the use of this brand new Lafayette 9 tube Battery Receiver. Do not confuse the new Lafayette Battery Superhet receivers with the old type battery sets that required storage batteries.

The circuit of this new 9 tube Battery Superheterodyne has six tuned circuits. Sensitivity is rated at two microvolts per meter. Selectivity 10 kilocycles. Output of receiver is approximately one watt, practically distortionless due to the type of Class "B" or push push amplification used. Stability is assured through the use of extremely close tolerances, such as an allowance of only a fraction of 1% variation in the capacity of the three gang tuning condenser.

Tubes used are Six '30 General Purpose Triode Tubes and Three '34 Vari-Mu Pentode Tubes. Dimensions of chassis 14 ins. wide, 9 1/4 ins. deep and 7 ins. high.

SHIPPING WEIGHTS

6 Tube Chassis, 35 lbs., 9 Tube Chassis, 40 lbs., Air Cell, 29 lbs. P-M Speaker, 12 lbs., Magnetic Speaker, 8 lbs., "B" Batteries, 15 lbs. each. "C" Batteries, 3 lbs. each.

NEW AIRCELL BATTERY



This is the new Eveready Air Cell that has revolutionized battery receivers. This battery does not require recharging. Add a little water every month or two—that's all the attention it requires. The Eveready Air Cell "A" Battery is brand new—the first battery made

that does not have to be recharged. Owning a Lafayette 6 or 9 Tube Battery Superheterodyne now affords as much pleasure and enjoyment as an A.C. or D.C. model.
 '19973—Eveready Air Cell.
 Your Cost **\$5.95**



A SPLENDID CONSOLE

Here is an especially fine console to house either the new Lafayette 9-Tube Battery Superheterodyne or the 6-Tube Battery Superheterodyne. Lines of sheer grace and slender beauty. The quiet, unobtrusive design of this console permits it to be used with any type of furniture. Sides and top are of Butt Walnut Veneer, with figured walnut front panels. Recessed radio panel of select rotary walnut.

Dimensions are 42 ins. high, 24 ins. wide, 14 1/2 ins. deep.

Tubes Used

3-'34s, 1-'30, 1-'31 and 1-'33
 Size of Chassis, 7 3/4 inches high, 13 inches wide, 8 inches deep.

Accessories Required

For 9 Tube Receiver: 1-2 volt Air Cell, 1-22 1/2 volt "C" Battery, 1-4 1/2 volt "B" Battery and 4-45 volt "B" Batteries.
 For 6 Tube Receiver: 1-2 volt Air Cell, 3-45 volt "B" Batteries and 1-22 1/2 volt "C" Battery.

Performance standards of the new Lafayette Battery Receivers are comparable to the finest A.C. and D.C. sets. Both the 6 and 9 tube receivers use the new Eveready 2 Volt Air Cell "A" Battery which never needs recharging. These battery receivers give an entirely new conception of fine radio reception in homes without electric current.

The Lafayette has uniform sensitivity of less than one microvolt per meter and great selectivity.

Uses New Type Tubes

The chassis of this receiver has a four gang variable condenser, totally shielded R. F. coils and tubes. A fine dynamic speaker is used, matched to the receiver. Tone fidelity is aided by resistance coupling into pentode output tube and intermediate resistance coupling from the detector.

New Low Prices

- Model W-101: Lafayette 6 Tube Battery operated. Chassis, less Speaker and Tubes. Code TALOS. List, \$36.00 **\$15.95**
- Your Cost
- Model W-102: Lafayette 6 Tube Battery operated. Console Receiver with magnetic Speaker. Less Tubes. Code TANGO. List, \$45.00 **\$28.50**
- Your Cost
- Model W-103: Lafayette 6 Tube Battery operated. Console Receiver with P-M Dynamic Speaker. Less Tubes. Code TARTS. List, \$72.00 **\$32.00**
- Your Cost
- Model L-11: Lafayette 9 Tube Battery operated. Chassis with P-M Dynamic Speaker. Less Batteries and tubes. 7 1/4 ins. high, 9 3/4 ins. deep, 14 ins. wide. Code TATAR. List, \$75.00 **\$33.50**
- Your Cost
- Model L-12: Lafayette 9 Tube Battery operated. Console Receiver with P-M Dynamic Speaker. Less Tubes. Code TEMPO. List, \$96.50. **\$43.50**
- Your Cost

Tubes and Accessories

- Complete Kit of 6 Matched Genuine RCA or Arcturus Tubes for 6 Tube Battery Receiver. List, \$15.00 **\$7.50**
- V19111—Your Cost
- Magnavox Dynamic Speaker (Permanent Magnet). List, \$15.00 **\$6.95**
- W19322—Your Cost
- W19208—Magnetic Speaker (RCA 103). List, \$9.00. Your Cost **\$2.95**
- Complete Kit of 9 Specially Matched Genuine RCA or Cunningham Tubes for 9 Tube Battery Receiver. **\$9.75**
- V19112—Your Cost
- EVEREADY 2 Volt AIR CELL. **\$5.95**
- V19973—Your Cost
- Set of Eveready "B" and "C" Batteries consisting of 4-45 volts "B", 1-4 1/2 volt, "C" and 1-22 1/2 volt "C". For 9 Tube sets. **\$7.25**
- W19974—Your Cost
- W19975—Set of Eveready "B" and "C" Batteries (135 volts "B", 22 1/2 volts "C") for 6-Tube Set. **\$5.00**
- Your Cost

LAFAYETTE SHORT WAVE RECEIVERS and CONVERTERS

"WIDE WORLD" —the most powerful short wave set ever developed!

A DeLuxe Short Wave Receiver which is guaranteed to out-perform any short wave receiver money can buy. Employs a new circuit which eliminates critical tuning and suppresses tuning hisses and other disturbances which are ordinarily the provoking evils of short wave reception. Tunes 14 to 115 meters, but additional coils are available which extend range 9 to 2000 meters. Briefly the circuit employs a vari-mu tube in a TRF stage, followed by a vari-mu detector which is also tuned and a 227 audio stage feeding two 245s in push-pull in the output stage. Tubes used: 1-27, 2-35s, 2-45s, and 1-80. Power pack is a separate unit. Available in battery or A.C. models. Shpg. Wt. Receiver, 27 Lbs., Batteries and Tubes, 73 Lbs., A.C. Power Pack, 55 Lbs.

S17755—Lafayette Wide World Short Wave completely wired Chassis for Battery operation. Complete with Genuine Arcturus Tubes. Code CABIN. **\$39.50**
Your Cost

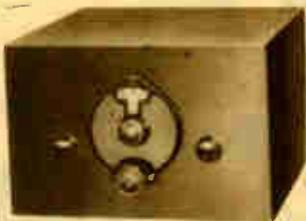
S17756—As above for 105-120 volts, 60 cycle A.C. Chassis and power pack and complete set Genuine Arcturus Tubes. Code CAMPS. **\$49.50**
Your Cost



S17757—Cabinet only. Code CEASE. **\$4.00**
Your Cost

NEW 1933 PENTRODE CONVERTER Tunes 18 to 206 Meters

This new LAFAYETTE PENTRODE CONVERTER represents the latest development in converters, utilizing the NEW PENTRODE TUBES, in an all A.C. self contained unit, which converts any Broadcast Receiver into a Short Wave Superheterodyne. New engineering refinements, tested and approved by Lafayette experts, are responsible for the remarkable efficiency of this converter. Careful testing and checking are constantly used in its manufacture.



MANY SPECIAL FEATURES

Outstanding features include: NEW R.F. AND DETECTOR PENTRODE TUBES (converter uses three tubes—1-38, 1-57, 1-261, 270 Degree straight line frequency condensers for smooth non-critical tuning over the entire range from 18 to 206 meters. Large Vernier Dial for absolute ease in tuning. Simplicity of operation—no critical regeneration control, as this set can be logged because the oscillator is the main frequency control. Individual tuning of the Oscillator and detector which assures perfect speaking on each station.

The selectivity and sensitivity of this converter is limited only by the corresponding characteristics of the broadcast receiver, since it acts as the intermediate frequency amplifier.

The converter is housed in an attractive black crystalline finish cabinet, 11 inches square and 7 1/2 inches high.

Supplied with eight plug-in coils from 18 to 206 meters, completely wired and tested in cabinet.

S17752—Pentode Converter for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code ABBEY. List. \$59.00. **\$19.50**
Your Cost

LAFAYETTE SUPERHET CONVERTER Tunes 75 to 180 Meters



An improved type of Superheterodyne Short Wave Converter without Plug-in coils. Guaranteed to outperform the great majority of high-priced, custom built converters. This new Lafayette, which converts any standard broadcast receiver into a Short Wave Superheterodyne, is much simpler to operate than the conventional short wave set. Selectivity and sensitivity are limited only by the corresponding characteristics of the broadcast receiver, since the converter acts as the intermediate frequency amplifier.

SIMPLE AND CONVENIENT

To put the converter into operation, disconnect the antenna from the broadcast receiver and connect it to the antenna post of the converter. Connect output post of converter to antenna post of the receiver, and connect the grounds of both units together.

To receive Short Wave C. W. Signals it is not necessary to employ the additional heterodyne oscillator, but merely to tune broadcast receiver so that it picks up directly the carrier of a strong local broadcast station and thus uses the broadcast transmitter as a heterodyne oscillator.

Tubes used in this converter: 1-24 as Detector, 1-35 as Oscillator, 1-26 as half-wave rectifier for the power supply unit. Single Dial control. Has selector switch for various bands in the Short Wave division. Housed in a beautiful metal cabinet. Dimensions 11 inches square, 7 1/2 inches high.

S17753—Lafayette Superhet Converter for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code ADOPT. List. \$49.00. **\$29.50**
Your Cost

"ERLA" SHORT WAVE CONVERTER TUNES 20-200 METERS



Convert any Broadcast receiver into a short wave superheterodyne with the use of the Erla Short Wave Converter. You can enjoy reception from American, European and Foreign Broadcasting Stations, Amateur Phone Stations, Police Signal Calls, Aeroplane Communications, etc.

The Erla is an all-electric self-contained Short-wave converter, housed in a midget type speaker cabinet of walnut finish. Full vision Dial. Has selector switch for switching from 20-60 meter band to the 60 to 200 meter bands. No changes necessary to install this converter to your present broadcast receiver. Dual wave reception at a small cost. Lead from output of converter connects directly to Antenna post of present broadcast receiver, then tune

receiver to as near as possible to 300 meters or 1000 kilocycles where no regular broadcast station is heard. Dimensions of cabinet, 10x7 1/2 x 11 1/2 inches high over-all. Shpg. Wt., 13 Lbs. Complete with RCA licensed Tubes. Set utilizes 1-24, 1-27 and 1-80 tubes for 110 volt, 60 cycle A.C.

S17758—Erla Short Wave Converter for 105-120 volt, 50-60 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code ADORN. **\$15.75**
List. \$35.00. Your Cost

S17759—Erla Short Wave Converter for 105-120 volt, 25-40 cycle A.C. Complete with Genuine RCA or Arcturus Tubes. Code AGNUS. **\$19.75**
List. \$45.00. Your Cost

"Music As you ride"

LAFAYETTE auto RADIO

SIX TUBE SUPER HET WITH AUTOMATIC VOLUME CONTROL

Here is a super fine auto radio—the best that money can buy. The chassis is of the advanced midget superheterodyne type, designed for use as an all electric radio in connection with a "B" eliminator. It has six tuned circuits and includes one stage of TRF. Sensitivity is rated at ¼ microvolt per meter. Selectivity is at least 10 kilocycle separation. An outstanding feature is AUTOMATIC VOLUME CONTROL (diode type) which compensates for any variation in signal strength when driving past steel buildings, etc., and also eliminates the blasting effect when tuning from weak to strong local stations. Tubes used: 1-236 1st detector, 1-239 1F stage, 1-237 2nd diode det. and automatic volume control, 1-241 2nd audio.

COMPACT—EASY TO INSTALL!

The extremely Compact Space Saving Size assures ease of installation. Dimensions are 6½ in. high, 5½ in. deep and 7 in. wide. Chassis can be installed either on the steering column by means of a simple clamp, or on either side of the dash. Adjustments of the chassis and tube replacements may be made by removing the easily accessible removable covers. The Control Box is installed on the steering column directly underneath the steering wheel. Speaker is equipped with LAFAYETTE PERFECTED TONE CONTROL to accentuate either bass or treble notes, as desired. Dimensions of speaker container are 7x7x4¼ ins.

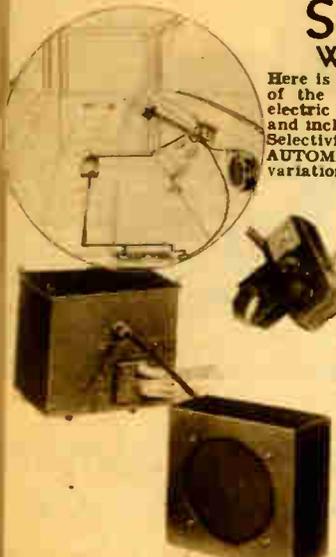
LAFAYETTE DE LUXE

Auto Radio Superhet

Thousands of car owners are discovering the pleasure of "music as you ride". The hours spent in going somewhere can be made hours of pleasurable entertainment.

Lafayette Auto Receivers represent the newest developments in auto radio. The many difficulties and objections which arose when the early auto sets were produced have been entirely overcome. Lafayette is proud of their performance and reception—equally proud of the service and lasting satisfaction they give.

You can't go wrong with a Lafayette—and our 30 days free trial offer protects you. Try a Lafayette Auto Radio in your car for 30 days—if it isn't completely satisfactory your money will be returned.



Another Real Performer LAFAYETTE 6 TUBE SUPER HET



LAFAYETTE

In the design of the Lafayette Automobile Radio special emphasis has been placed on the ease with which it can be installed—it is not necessary to mar the car in any way and a thoroughly satisfactory installation can be made even by the inexperienced in a very short time. A superheterodyne circuit employing six tuned circuits provides extreme Selectivity while the new tubes give sensitivity and power that compares most favorably with the standard A.C. receivers. A high quality dynamic speaker is housed in a substantial steel case finished in crystalline. Remote control attached to steering post gives tuning and volume control within convenient reach. Tubes used: 3-36s, 1-37, 2-38s. This receiver has exceptionally good Tone and Power and represents a real value at our new low price.

S17761—Complete with Tubes less Batteries.
List, \$72.25

\$32.50

S17765—3-45 volt SPECIAL Auto B batteries.
Your Cost.....

\$5.00

S17764—1 Set of Suppressors and Condenser. (6 cylinders)
Your Cost.....

\$2.40

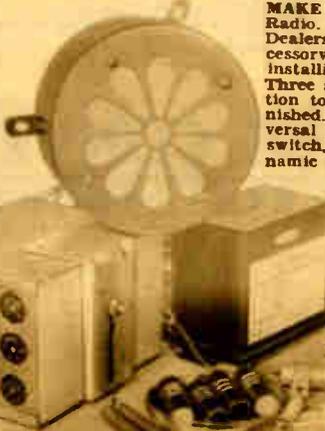
R17131—1 De Luxe car antenna.
Your Cost.....

\$2.25

- S17762—De Luxe Auto Radio Complete with Tubes less Batteries.** **\$38.50**
- List, \$85.00. Your Cost.....
- ACCESSORIES**
- 4 Special 45 V Auto B Batteries** **\$6.32**
- S17763—Your Cost**
- 1 Set Ignition suppressors and Condenser. (6 cylinders)** **\$2.40**
- S17764—Your Cost**
- R17131—De Luxe car antenna**..... **\$2.25**

PREMIER 5 tube AUTO SET

Completely electrified with special premier Auto B. Your Cost complete, nothing else to buy.
S17786—Your Cost, \$27.50



MAKE BIG MONEY—Sell and install this Auto Radio. It is going over big with Radio and Auto Dealers, Service Men and Technicians. Every accessory is furnished with simple instructions for installing. **INSTALLS QUICKLY IN ANY CAR.** Three shielded connecting plugs for quick connection to all accessories (no slow wiring) are furnished. **COMPLETE ACCESSORIES** include universal mounting bracket, illuminated dial, lock switch, remote control, 30 inches flexible shaft, Dynamic Speaker, five RCA licensed Tubes, Spark Suppressors, Antenna equipment. Everything needed except "B" batteries. Never before has such a complete high class outfit been available to those experienced and inexperienced alike to enter this profitable business.

The Receiver is small and compact measuring only 5x7x7 in. and uses five new type tubes (1-36, 2-38s, 2-39s) TRF circuit and covers bands 195 to 550 meters. Distance range 100 to 1000 miles, depending on conditions. (Specify 4 or 6 cylinder car in ordering.) (Requires 135v of B batteries.)

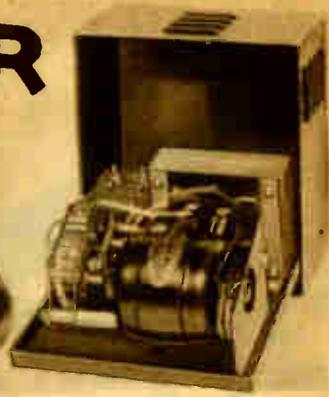
S17760—Complete as described less batteries or auto B eliminator.
Your Cost

\$20.50

TRUEST AUTO CONVERTER

This Unit converts the current of a 6 volt storage battery to 110 volts, 60 cycle A.C., thus permitting the operation of A.C. Radio Receivers in automobiles, boats and other places where A.C. is not otherwise available. It consists of an extremely efficient rotary converter and transformer enclosed in ventilated case, together with a remote control unit for switching on and off. The device will operate any A.C. appliance which does not require more than 60 watts. Drink mixers and other small A.C. motors may be operated but care should be taken not to overload the device. It is fool-proof and requires no attention except oiling about once a year. Its current consumption is extremely small. Size 6½ x 7¼ x 3½ ins. Shpg. Wt., 18 lbs. **\$24.50**
N14227—Your Cost, Each.....

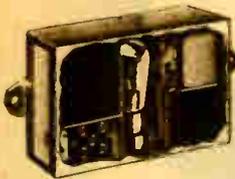
**6
VOLTS D.C.
to
110
VOLTS
A.C.**



UTAH "B" POWER UNIT

A device which operates on the interrupter principle and furnishes "B" current to auto Radio Receivers requiring up to 135 volts D.C. for "B" supply. Consists of an interrupter, transformer and mercury vapor rectifier enclosed in a compact case which occupies no more space than 3 average size "B" batteries. Pays for itself in batteries saved. Consumes only 1½ amperes when delivering 135 volts. Size 5x7¼x2½ ins. Shpg. Wt., 6½ lbs. Complete with tube.

N14228—List, \$18.00. **\$11.75**
Your Cost



The Mallory-Elkon "B" Eliminator provides an unvarying source of power which insures uniform, dependable radio reception. It is universal in application—suitable for all standard Auto Radio Sets. Very compact in size, measures only 10x7x3¼ ins. No rotary parts—employs the famous Mallory Elkonode that changes storage battery current into what is essentially alternating current. May be adapted to any radio set through selecting the proper Elkonode. Specify tubes to be used when ordering. Shpg. Wt., 21 lbs. **N14223—Your Cost, \$14.95 Complete**



WARD DE LUXE CAR ANTENNA

Made of closely woven copper-chrome-nickel plated wire suspended on a rigid metal frame. More sensitive in most cases excels roof type. Triple action spring suspension. Impossible to short or ground. Adaptable to every automobile. All parts rustproofed and sturdily built. High tension non-shorting lead-in. Ward rubber splash guard furnished with each antenna. Shpg. Wt., 5 lbs. All necessary accessories furnished. **\$2.25**
R17131—List Price, \$4.25. Your Cost, Each.....

Hercules Car Antenna

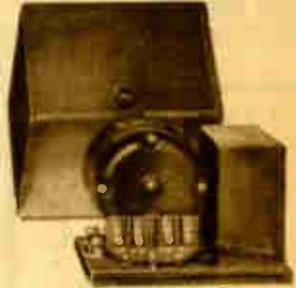


Made of closely woven electrolytic copper mesh, covered with a black meritas synthetic leather. It is 52 ins. long and is mounted underneath the car, between the front and rear axles. It may also be suspended from any part of the chassis. Has four sturdy canvas straps for mounting. Extremely sensitive and because of the many strands of wire in the mesh it is far superior to the solid plate. Shpg. Wt., 4 lbs. **85¢**
R17132—4 ins. wide. Your Cost.....
R17133—6 ins. wide. **\$1.25**
Each

Remote Control Unit



Designed for the convenience of those who have auto radio sets not yet equipped with remote control. Case is durably finished in baked-on black enamel. Illuminated dial. Universal mounting. Key lock switch. Micrometer volume control. Size 3½x4¼ ins. Shpg. Wt., 2½ lbs. **\$2.94**
2N14236—Your Cost, **\$2.94**
Each
2N14237—Universal Coupling..... 30¢
2N14238—Additional Cable per ft..... 36¢
2N14239—¼ in. steel Rod per ft..... 06¢



EMERSON "B" POWER UNIT

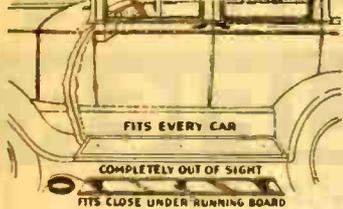
This unit furnishes 180 volts at 40 M.A. pure direct current and will supply plate voltage for any standard automobile receiver. Operates from 6 volt storage battery and consumes approximately 2 amperes. Consists of a high grade dynamotor rubber mounted to eliminate vibration and a filter system to eliminate commutator noises. Has dust proof metal cover, size 7¼x6x8½ ins. A reliable, practical unit which is easy to install. Any voltage below 180 can be obtained by following directions furnished. Shpg. Wt., 22 lbs. **N14222—List, \$39.50. **\$17.50****
Your Cost

B-L Battery Booster



A small, powerful device that takes energy from the light socket in your garage and keeps your battery fully charged for snappy starting without cranking. Charges all night at a cost of approximately 2 cents. There is no danger of overcharging; it tapers off automatically when battery is fully charged. Hangs on the wall, one lead plugs into the light socket, the other into a socket which provides for the instrument board. For 110 volts, 60 cycle. **N14224—List, \$9.75. **\$6.68****
Your Cost

AUTO DX AERIAL



At last a satisfactory auto aerial! More volume, clearer reception, less interference. Completely out of sight. Fits snug against the running board. Can not catch on road obstructions. A solid zinc plate, 40 x 4½ ins., with rolled edges. Drilled ready for quick installation. Comes complete with 10 ft rubber covered lead-in and all necessary accessories. Some radios will show 50% more volume when double aerials are used—one under each running board. Fits every car made. Shpg. Wt., 5 lbs. **\$1.25**
R17130—Your Cost

Premier Auto Speaker



A very fine 6 inch dynamic speaker mounted in a steel case 8 ins. in diameter and 3¼ ins. deep. Field wound for 6 volt battery. Complete with output transformer. Shpg. Wt., 7 lbs.

2W19252—For single '38. **\$3.45**
2W19253—For P-P '38s. **\$3.45**
Each
SPEAKER ONLY
 Metal parts finished in statuary bronze.
W19254—For single '38. **\$2.75**
W19255—For P-P '38s. **\$2.75**
Each

Let Us Quote You Our Wholesale Prices on BATTERY CHARGERS for Garage Use

State charging capacity of Charger you are interested in.

POWER

28 WATTS
OUT-
PUT



new
LAFAYETTE

THIS NEW
LOFTIN-
WHITE
"CLASS B"
AMPLIFIER
WILL DRIVE
20 FULL
SIZE
DYNAMIC SPEAKERS

«CLASS B» AMPLIFIER

AN AMAZING TRIUMPH IN SOUND ENGINEERING!

Lafayette Engineers score another Victory! The first to combine the unparalleled advantages of the Loftin-White principle with the tremendous gain and amplification made possible by the recently developed "Class B" circuit.

NEW HIGH GAIN TUBES

By combining these two ultra-efficient engineering principles in a circuit employing the new 46 and 57 type tubes, a **THREE STAGE AMPLIFIER** has been developed that develops **MORE POWER THAN PREVIOUS FOUR STAGE AMPLIFIERS**. With an undistorted output of 28 watts sufficient power is available to drive 20 of the largest Dynamic Speakers at their full rated capacity!

EXTREMELY FLAT RESPONSE CURVE

Recent tests of this master Amplifier show a response curve of **ONLY 3 DBs. FREQUENCY CHARACTERISTIC VARIATION BETWEEN 50 and 5000 CYCLES per second!** Think what such performance means in **TONE QUALITY!** It means that the deepest bass notes as well as the shrills of the highs are brought out in all the rounded, full richness of the original. No previous amplifier, however expensive, has approached the **New LAFAYETTE IN GAIN or FIDELITY!**

CIRCUIT DATA

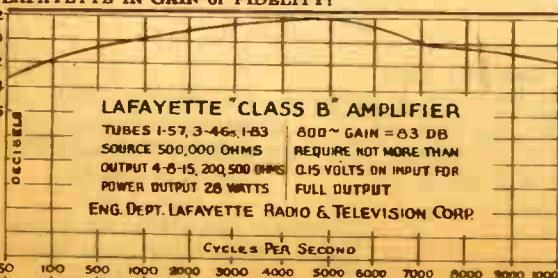
The input is fed directly to a high gain Pentode type 57. Loftin-White coupled driver type 46 which is transformer coupled to two type 46s in push-pull output stage. The amazing performance is made possible by the advanced engineering principles involved in its design and the very high quality of its components: every part being carefully tested to precision accuracy. Designed not only to give the maximum of quality but the maximum of service as well. No amount of ordinary service usage can impair its quality because it is built to stand the hardest commercial usage. Heavy steel case, black crystalline finish. Size, 11½ in. deep, 20 in. long, 8 in. high.
TUBES REQUIRED: 2-46s, 1-57 and 1-83 (New Type Mercury Vapor Rectifier) **INPUT IMPEDANCE:** 500,000 Ohms. **OUTPUT IMPEDANCE:** 4, 8, 15, 200, or 500 Ohms. **NUMBER OF STAGES:** 3. **GAIN:** 82 DB at 1000 cycles. (Average Gain 83 DBs.) **FREQUENCY CHARACTERISTIC:** Variation 3.5 DB 50-5000 cycles. (See Graph.) **MAXIMUM UNDISTORTED OUTPUT:** 28 Watts. **POWER SUPPLY:** 100 to 130 volts, 50-60 cycle A.C. **USES:** For Public Address Systems requiring a tremendous output of highest quality—will adequately cover indoor gatherings of 10000 people with suitable number of speakers. **FIELD SUPPLY:** None.

QUALITY AT LOW PRICE

Your special attention is called to the extremely low price of this fine Amplifier. Compare our price with those others are asking for units which will not match this one in **POWER, QUALITY or UTILITY!**
P16760—Lafayette Loftin-White Class "B" Amplifier, \$64.50
 less Tubes. List, \$110.00. Your Cost.....

The tremendous output of this amplifier requires a minimum of three Dynamic Speakers of great power handling capacity for best results.

See Pages 48, 49 and 50
for Other Amplifiers



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

RCA-VICTOR END TABLE ELECTROLA



A complete instrument, induction motor, balanced pick-up, automatic start and stop, Radio-Phono switch and volume control. Cabinet is of Walnut Veneer. FOR A COMPLETE DESCRIPTION OF THIS OUTFIT, REFER TO PAGE No. 50.

4Y19750—**\$12.50**
Your Cost, Special.....

BARGAINS IN TUBES



Every tube tested twice before shipping. Individually boxed. Guaranteed to play. Lowest price in tube history.

MIDDLESEX 227 Type Tube
Well known tube. Good for many hours of faithful service. Bargain: While they last.
V19110—**19¢**
Your Cost Each.....

MARATHON 250 Type Tube
High power amplifier. Better order a few while our stock lasts.
V19111—**95¢**
Your Cost Each.....

ODEON 281 Type Tube
Half wave rectifier. A Bargain at this Price.
V19112—**95¢**
Your Cost Each.....

COLONIAL BY-PASS CONDENSER



No. 1748-SA
For Model 32
The genuine Colonial By-pass condenser.

B688—**55¢**
Your Cost, Each.....

Ward Police Reporter



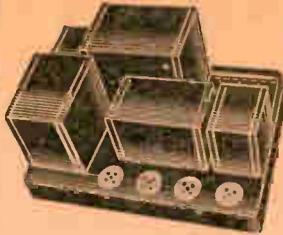
\$2.05

Connects to any electric radio and extends tuning range down to include wave lengths used by police broadcasting stations. Provides a very thrilling addition to radio enjoyment. Can be used on sets having either '24 or '27 detector tubes. Full directions furnished. Can be connected by any one in a few moments. Has oscillation control which smooths out whistles. Produces clear signals.

4R17070—List, \$3.50
Your Cost Each.....**\$2.05**

VICTOR AMPLIFIER R-32, RE-45, R-52, RE-75

The official Victor Amplifier and power supply for the above model sets. Furnishes filament and plate voltages for the following tubes: 6-26s; 1-27; 2-45s, and 1-80. Ideal for Public Address systems and inter-office call systems. Amplifier employs 1-26; 2-45s; and 1-80. Furnishes field current for 3,000 ohm dynamic speaker. Has first Audio stage transformer with Phonograph tap. Output transformer for Voice Coil. Size, 13 1/2 ins. long; 10 1/4 ins. wide, and 6 1/4 ins. high. Shpg. Wt., 30 Lbs.
4P15726—**\$7.75**
Your Cost.....



VICTOR DYNAMIC SPEAKER

To match the above Victor Amplifier. 3,000 ohm field. 15 ohm voice coil. Shpg. Wt., 24 Lbs.
W19262—Your Cost Each.....**\$4.75**

RCA-VICTOR 250 AMPLIFIER

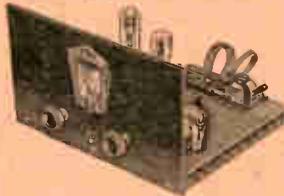
This is a chance to own a high power 250 amplifier, designed and built to exacting standards by RCA-Victor. Utilizing 1-26; 1-50 and 2-81 tubes. Output transformer matches 11 ohm voice coil of a dynamic speaker. Will supply voltage and current to any 1,000 ohm field of a dynamic. Undistorted output, 5 watts, which is sufficient to handle gatherings up to 500 or 1,000 persons. Will operate three full size dynamic speakers or 6 magnetic speakers. An excellent power amplifier for public address systems and phonograph pick-up reproduction. RCA Model AP-736 (SPU 24). Shpg. Wt., 66 Lbs.
P15732—Your Cost Each (Less Tubes).....**\$11.75**



HAMMARLUND 2-TUBE S.W. KIT

For Amateur S.W. or Broadcast Use

An efficient, simply constructed two-tube battery operated S.W. receiver. It tunes from 14 to 110 meters by means of plug-in coils, and covers all amateur bands as well as those generally used for broadcast purpose. While designed primarily for two-volt tubes, either '99s or '01A's can be used by supplying proper filament voltage. Regenerative circuit, one stage of Audio, transformer coupled. Size of base: 11 1/4 x 10 inches; panel size, 7 x 12 inches. All necessary parts and complete directions furnished. Accessories needed: Headphones and batteries. Shpg. Wt., 9 Lbs.
H8524—Less Tubes, Batteries and Phones
Your Cost, Special.....**\$14.95**



RCA 4 MFD. FILTER CONDENSER 800 Volt Working Voltage

The genuine RCA 4 mfd. 800-volt condenser. Used in Model 104 loudspeaker and Model 32 A.C. receiver. This condenser replaced the 7 and 3.9 mfd. condenser at first used in the RCA sets. For use in all high power amplifiers, using 210 or 250 type tubes. All are brand new and packed in individual cartons, and are guaranteed. Metal container, 1 1/2 x 4 1/2 x 5 inches. Two insulated soldering lugs. Shpg. Wt., 2 Lbs.
B687—**95¢**
Your Cost Each.....
6 for.....\$5.00



R.F. Coil Assembly



For Radiola Models 17, 18, 33, 41, 50, 51, 60, 62 and 64. Consists of Antenna and 2 R.F. coils with R.F. chokes, trimmer condensers and R.F. by-pass condensers mounted on metal terminal strip. Coils are 1 1/2 x 1 1/2 ins. Some have Isolantite trimmer condensers.
For Models 17 and 50
H10016—RCA No. 8293
For Models 18 and 51
H10017—RCA No. 8318
Your Cost, Either type.....**\$1.25**

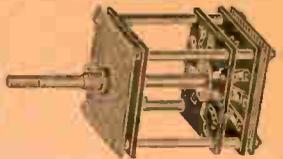
For Models 60-62-64
H10018—RCA 8341
Your Cost Each.....**\$1.75**

C.R.L. VOLUME CONTROLS



These "Specials" C.R.L. volume controls can be used in many of the commercial receivers.
H9697—5,000 Ohms Radiohm
H9698—25,000 Ohms Pot.
H9699—75,000 Ohms Pot.
Your Cost Each.....**22¢**
Replacement for Earl and Freed Receivers
Dual: 10,000—250,000 ohms
H9695—**30¢**
Your Cost Each.....
Dual Volume Control
5,000 ohms Wire wound and 15,000 carbon strip.
H9696—**25¢**
Your Cost Each.....

SHORT WAVE Change-Over Switch



One of the finest short-wave change-over switches made. Consists of three sections: First and second sections have a common double pole to four positions; rear unit is single pole, four positions. Double contact, positive action. Pole contacts are insulated from shaft. Size, 3x2 inches, 2-inch shaft over-all.
L6466—**\$1.25**
Your Cost, Special.....

VOLUME CONTROL FOR FRESHMAN



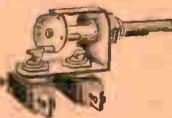
Models "M" and "N"
The Original Volume Control used in the above Freshman Models. Brand new and guaranteed. Shpg. Wt., 8 oz.
F6798—**95¢**
Your Cost, Special.....

FRENCH DUPLEX CRADLE PHONE



The new Connecticut French Type Cradle Phone is designed to fill the demand for an inexpensive portable type telephone and signal system. For temporary service, two standard flashlight batteries may be inserted in the base of each phone and satisfactory service obtained on lines up to 150 feet. Standard dry cells for permanent installations and over 150 feet lines. Base of phone is of heavy gauge steel and contains operating mechanism, including buzzer and necessary connections. Finished in light green. Shpg. Wt., 8 Lbs.
4M13440—List, \$7.50 per pair.
Your Cost, Per Pair.....**\$5.50**

H. & H. DUAL SWITCH



For Time Delay: Radio-Phono and Long-Short Antenna change-over.
Two toggle switches mounted on a bracket, front unit is single circuit, 125 v. 6 amp.; rear unit is a s.p.d.t., 3 amp. 125 v. for long-short Antenna or phono-radio change-over. Operated by a 1 1/4 in. shaft. First 1/4 turn, the front unit is thrown in circuit, and rear unit makes contact with one pole; next 1/4 turn, rear unit is thrown on opposite pole. Shpg. Wt., 8 ozs.
4M12823—**95¢**
Your Cost Each.....

Slotted-Shaft Toggle Switch



Made by Cutler-Hammer. 125 volts, 5 amps.
For replacement where switch is part of the volume or tone control. 1/2-inch shaft.
M12822—**12¢**
Your Cost Each.....
Per Dozen.....\$1.25

BARGAIN 5¢ COUNTER!

3 CENTS EACH 1 WATT

Resistance in Ohms

150	3,000	75,000
200	3,350	180,000
400	4,000	500,000
500	5,000	750,000
600	7,000	1 Meg.
1,000	10,000	1 1/2 Meg.
1,200	15,000	2 Meg.
1,500	30,000	2 1/2 Meg.
2,000	35,000	3 Meg.
2,250	70,000	

E5100—**3¢**
Any Size
6 for15¢
12 for25¢
Per hundred \$1.95

CARBON RESISTORS

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

2 WATT

Resistance in Ohms

600	7,000	19,000
700	8,000	20,000
1,000	10,000	30,000
1,500	14,000	35,000
2,000	15,000	40,000
3,000	16,000	45,000
4,000	17,000	50,000
6,000	18,000	75,000

E5050—**5¢**
Any Size
6 for25¢
12 for45¢
Per hundred \$3.50

Phono-Ant. Strip

Two set screws, and two tip jacks, for Antenna-Ground, and Phono connections, or Speaker Output and field connections. Has many uses. Bakelite strip 3/4 Ins. long.

F6773—Same as above in appearance, except has four tip jacks.

F6774—**5¢**
Your Cost Each.....
Per Dozen.....50¢

ESCUTCHEONS

Statuary bronze finish. For drum dials of 1/2 inch scale width. Size, 3 3/8 x 2 3/4 inches.

4M12900—"Royal"
4M12901—"Shelby"
4M12902—"Hoover"
4M12903—"Madison"
4M12904—"Monarch"
4M12905—"Autocrat"
Your Choice, any above. Each**5¢**

FAN TYPE DIAL
4M12906—"Sparta, Jr."
4M12907—"Little Autocrat."
Each**5¢**
12 for 50¢; 100 for \$4.00

Size 3 3/8 x 2 3/4
5¢

Sangamo "Illini" Mica Condensers

Molded in smooth brown bakelite. Extremely fine limits of accuracy. Absolutely water and damp proof.

Cap. Mfd.	Cap. Mfd.
.00002	.000150
.0001	.00025
.000125	.00065

D4170—State Capacity.
Your Cost, Each**7¢**
12 for40¢

Stock No. Cap. Mfd.
D4176 .001
D4177 .002

Either size, Your Cost Each **7¢**
12 for55¢

10¢ ITEMS BARGAINS!

RCA Output Choke

Made for use in the Radiola Model 3-A as speaker output choke. Can be used in many circuits and hook-ups. D.C. resistance 2,000 ohms, center-tapped. Shpg. Wt., 2 Lbs. RCA. No. 1299. C2162—**10¢**
Your Cost Each.....

BELL WIRE

25-Ft. coils of Bell Wire. Assorted colors. Best grade of wire for all around use.

Q16051—**5¢**
Your Cost Per Coil
6 for25¢

CARTER JACK

No. 106 Jack. 6 springs. Three circuits broken when plug is inserted. Used as a filament or interstage jack.

F6286—Your Cost Each..... **5¢**

YAXLEY D.P.D.T. Switch

Genuine Yaxley double pole, double throw, complete with knob.

F6479—**25¢**
Your Cost Each.....
6 for\$1.25

CARTER No. 2 JACK SWITCH

Single circuit jack switch. Complete with knob and plate.

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

NA-ALD ADAPTER

This special Adaptor for use with bayonet Sockets when using the Elton E.B.H. Rectifier.

K11524—Your Cost Ea. **10¢**

Male Flush Receptacle

Will carry 15 amperes at 115 volts. For power amplifiers, Rack Panels, Radio receivers, work benches. Has mounting flange, nickel finish. 1 1/4 Ins. in depth, 1 1/2 Ins. diameter. M13310—**10¢**
Your Cost Each.....

Lynch Grid Suppressors

Special resistance units for use in tuned R.F. circuits to stop oscillation and improve reception without broadening tuning. Mounts in standard grid leak clip.

Ohms	Ohms	Ohms	Ohms
100	600	1,200	1,700
200	700	1,300	1,800
300	900	1,400	
400	1,000	1,500	
500	1,100	1,600	

Specify Ohmage when ordering. D2512—List, 50¢. **5¢**
Your Price, Each.....
Per dozen50¢

LYNCH VOLTAGE DIVIDERS

Stock No.	Total Resistance in Ohms	Tapped At
D2500	430	45-45-310-30
D2501	570	460-60-50
D2502	920	740-90-90
D2503	2850	1100-1750
D2504	4000	1000-2500-500
D2505	10000	5000-5000
D2506	11500	1500-4000-6000
D2507	13000	7000-2000-2000-2000

Any Size, With Mounting. **25¢**
Your Cost Each.....

INSULATOR ANCHOR

Ideal for supporting lead-ins, ground wires, etc. Made of formed steel with white porcelain insulators. Length overall, 6 inches.

Service men will find this item very handy for erecting all types of aerials. R16826—Your Cost Each..... **10¢**
Per Dozen\$1.05

GENUINE METALLIZED RESISTORS

Pig tail type. High capacity. For use in circuits where heavy current must be handled.

1 Watt Sizes

12,000 ohms—500,000 ohms
750,000 ohms.

Specify ohmage when ordering. **5¢**
D2512—Your Cost Each.....
Per Dozen50¢

2 Watt Sizes

25,000 ohms. **10¢**
D2513—Your Cost Each
Per Dozen\$1.05

Straight Resistance

Without Mounting.

D2508—25,000 ohms—60 Watt.
D2509—50,000 ohms—60 Watt.
D2510—10,000 ohms—60 Watt.

Any Size, **25¢**
Your Cost Each.....

YAXLEY POT.

3000 OHMS
A good replacement volume control. 3000 ohms. Midget in size, 1 3/8 Ins. diameter, shaft, 1 1/4 Ins. over-all, slotted. F6541—**25¢**
Your Cost Each.....

BENJAMIN DIRECT PANEL MOUNTING SOCKET

For attachment to either 1/4 or 3/8 inch panels where it is desired to have socket wiring connections below the sub-panel. For 4 prong (UX) tubes only. M13034—**10¢**
Your Cost Each
6 for50¢

TYPE 226 or 227

Made by an Independent Tube Manufacturer. Tubes are tested before shipping. Guaranteed to play. Specify type. **10¢**
V19109—Your Cost Ea....

PHONO UNITS

Assorted lot of guaranteed phonograph units. All have good tone quality and will handle lots of volume. Better order a few while they last. Shpg. Wt., 3 Lbs. N13922—**25¢**
Your Cost Each.....

GOLD SEAL Tubes

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

Stock No.	Type	Stock No.	Type
V19104	226	V19106	245
V19105	227	V19107	280

Your Choice of any of above types. **25¢**
Your Cost Each.....

20 FT. EXTENSION CORD

Made for Stromberg-Carlson Co. 20 Ft. phone extension cord, made of finest material obtainable. Has spade tips at one end and phone tips at the other. N13958—Your Cost, Special..... **10¢**
6 for 50¢

20 FT. EXTENSION CORD

Made for Stromberg-Carlson Co. 20 Ft. phone extension cord, made of finest material obtainable. Has spade tips at one end and phone tips at the other. N13958—Your Cost, Special..... **10¢**
6 for 50¢

New Books

Every Radio Man Should Have

RIDER'S \$1. Radio Library



Radio Service Questions and Answers

How many times have you been "stumped" because you did not have the answer to a service problem? These questions and answers were compiled from thousands of letters received by the author and are just the things you want to know. 160 pages.

- Y19931—Volume 1 **\$1.00**
- Each
- Y19932—Volume 2 **\$1.00**
- Each



Practical Testing Systems

Service work requires the testing of coils, transformers, resistances, tubes and condensers. This handy volume tells you how best to make these tests. 149 pages.

Y19933—Each **\$1.00**

Servicing Receivers by Resistance Measurements

By J. F. RIDER

Radio receiver servicing methods will undergo a change. The measurement of resistance in a radio receiver offers the most logical method of servicing because it is independent of tube conditions, line voltage, tube constants, etc. It affords a means of checking a complete receiver without removing the chassis, and eliminates all guesswork. This volume gives educational, practical and valuable information. 160 pages, cloth bound. Shpg. Wt. 2 lbs.

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Servicing Auto Radio Receivers

Tells how to install and service practically every standard make of Automobile Radio Receiver. The field is becoming more active every day and every Service Man should "know his stuff" on this specialized branch of Radio. 144 pages.

Y19930—Each **\$1.00**



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

1,000 pages of valuable information for Service Men, Experimenters and Set Builders. Over 2,000 diagrams and charts. The most complete and authoritative volume on Radio ever published. A complete guide to the servicing of practically every known make and model of radio receiver both new and old. In addition to its wealth of technical data it contains much easy-to-understand information and hints on Trouble Shooting, Set Analyzers, Power Amplifiers, Eliminators and Power Units. Loose-Leaf style; may be kept up to date by supplementary service provided by Publisher, at nominal cost. Size 8½x11. Durably bound in blue fabrikoid. Shpg. Wt. 8 Lbs.

Y19925—Volume 2, Each **\$5.00**

Y19926—Volume 1, Each **\$4.50**

SERVICING SUPERHETERODYNES

Do you know all that you should to enable you to service superhets at a profit? . . . Are you familiar with the various kinds of superheterodyne circuits? . . . Do you know the function of the individual parts of a standard superheterodyne receiver—of an autodyne superhet? . . . Do you know what is meant by "image frequency"? . . . Can you adjust the Atwater-Kent "double spot" interference-eliminating system?

Servicing Superheterodynes answers all of these questions and many more. It gives you all of the information you need have about superhet receivers. This book is a Best Seller. 10,000 copies have been sold within the 3 months since it was announced. 163 pages, type set, profusely illustrated, cloth bound.

Y19927—Your Cost **\$1.00**



DRAKE'S CYCLOPEDIA

New Edition. Completely revised. Gives all practical data on Radio transmitting and receiving, Sound Pictures, Public Address, Television, Photoelectric cells, etc. 1048 pages, 500 complete articles, 1100 additional definitions and references. 130 tables and graphs. All in alphabetical order and simply treated. Thoroughly covers new Superheterodynes, Short Wave Receivers and Converters and Aviation Radio. Self indexed to make every fact easy to find. Size 9x6½x2½ ins. Shpg. Wt., 10 lbs.

Y19938—Your Cost Each **\$3.92**

RADIO AND ELECTRONIC DICTIONARY

By H. P. MANLY

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

Y19939—Your Cost **\$2.19**



Gernsback's Radio Encyclopedia

This is the new edition of this famous work, the first book of its kind ever published. Gives full explanation of every word used in Radio. Over 2,200 radio definitions, 1,253 illustrations, 34 tables and charts, 24 pages appendix. 352 pages; size 9x12 in. Regular price \$3.98.

Y19903—Your Cost **\$3.25**



Gernsback's OFFICIAL RADIO SERVICE MANUAL 1933 Edition

The new information contained in this 1933 edition of The Official Radio Service Manual is invaluable to Service Men and Engineers. In it only practical material and not complicated theory has been included. It is a marvel of simplicity in makeup; the desired information may be found easily and quickly. Many features not found in the previous editions are included. Free Question and Answer Service, which was so popular in previous editions will be maintained. Contains operating notes, actual pictorial views of standard receivers and much information on making suggestions for the Service Man. Over 2,000 illustrations, 700 pages; size 9x12; Flexible Looseleaf Leatherette Cover.

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New! AMPERITE CHART

AMPERITE is a real REGULATING voltage control—not a fixed resistance or reducer. It is the control recommended by all leading set manufacturers such as R.C.A.-Victor, Zenith, Steinite, Bosch, etc. Keeping of voltage constant will mean elimination of noises. Better and more uniform reception. Helps prevent power pack burn-outs. Installed in 5 minutes.

NEW AMPERITE CHART

The AMPERITE for any 110 volt A.C. set can be determined approximately from the following chart.

No. Tubes in Set	Use AMPERITE
4-5	5-A-5
6-7	7-A-5
8, 9-10	9-A-5
11-12	11-A-5

And for sets using '50 type tubes.
 7 to 11 tube sets (1-'50) AMPERITE 13-A-5
 7 to 11 tube sets (2-'50) AMPERITE 20-A-5
 110 volt D.C. sets use AMPERITE 20-A-5

Amperite for Special Sets

Brunswick 14; 21; 31	9-20
Brem. Tully S-81; S-82	9-20
Gen. Elec. H-31; H-51	9-V-10
Hamm. Roberts HI Q-31	10-10
Hamm. Roberts HI Q-30	11-20
Kylelectron K-71; K-72	11-20
Majestic 90; 91; 92	90
Majestic 70; 71; 72	70
Fearless 21 to 25	11-20
Scott A.C. 10	12-20
Star Raider	18-10
Victor R-35; 39	9-V-10
Victor R-32; 52	10-V-10
Westinghouse WR5	9-V-10

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Contains the history of Ultra S.W. Development, articles about the Generation, Radiation, and measurement of Ultra Short Waves, Quasi-Optical, and Infra Red Rays, and the Commercial application of Short

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Simple receivers for beginners, Technique of Tuning, Short Wave Supers.

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Technical Tube Booklet

Containing full technical description of all types of Receiving Tubes and Rectifiers. Explains in detail the Electrons, Electrodes and Cathodes. Individual tube characteristics and curves on each and every tube, size and type of base. No serviceman or experimenter should be without one. 83 pages of information and illustrations.

Y19950—Your Cost Each..... **20¢**

AN EXTRA PROFIT FROM EVERY SERVICE CALL

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V19100—List, \$3.00. Your Cost (Specify Type)..... **\$1.25**

V19101—SOCKET for inserting Amperite in line. List, 25c. Net..... **15¢**

FREE—Write for special distributor's proposition, sales helps, and complete Amperite chart. Service men are making \$100.00 a month extra on this real regulator.

Special price on 3 or more Amperites.

New Amperite Regulation for Automobile Sets

Storage Battery of car varies 5.5 to 8 volts—31%—depending upon speed of car and resulting generator voltage.

5 and 6 tube sets use Amperite 16-A
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Easily installed—gives uniform reception.

V19102—List, \$3.00. Your Cost..... **\$1.25**



Sterling's Manual

The most thorough and complete Manual ever written for the Commercial Operator, Inspector, Amateur and Technical Student. Contains all the information for the upkeep, control, design and installation and operation of all forms of radio apparatus. Both sending and receiving on land and sea are thoroughly covered in non-mathematical form. The book starts at the beginning and explains radio to you all the way from the elementary principles of electricity up to the very latest developments in all phases of radio and television. Flexible fabrikoid binding. 805 pages, size 5"x8 inches.

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Write for your copy of Wholesale Radio Service Company's Handbook, chuck full of information and equipment for the Ham and Amateur. Limited Edition. It's Free!



New! UNIVERSAL AMPERITE

for all countries

Operates any standard set on 90, 110, 125, 150 volts. No taps on transformer needed. No adjustments to make. Automatically adjusts set to the line voltage. Easily installed—in 5 minutes. Controls both high and low voltages. You can even operate 110 volt sets directly on 220 V. as shown below.

For 110-125 V. A.C. Sets On		For 220 V. A.C. Sets On	
No. of Tubes in Set	90 to 150 Volts A.C.	180 to 260 Volts A.C.	180 to 260 Volts A.C.
4-5	5-A-5	5-220	2H-5
6-7	7-A-5	7-220	3H-5
8-9, 10	9-A-5	9-220	4H-5
11-12	11-A-5	11-220	5H-5

AMPERITE Cartridge Type

For the 2-Volt Tubes on 6-Volt Battery With the AMPERITE listed below the 2 v. tubes can be used directly on the 6 Volt battery. No other resistances or rheostat is necessary.

AMPERITE 6-30 for 230 tube
AMPERITE 6-31 for 231 tube
Sterling's 6-30 for 232 tube
AMPERITE 6-33 for 233 tube

ALL OTHER TYPES, AS: AMPERITE 1-A-112, 622, etc., in stock.

V19103—List Price (with mounting) \$1.10. Your Cost..... **64¢**

Practical Radio Library by Moyer & Wostrel

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

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Besides explaining the fundamentals, this volume includes the testing of radio sets. 410 pages, size 7 1/2"x5 1/4"x1 1/8 inches. Shpg. Wt., 2 lbs. **\$2.45**

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Clearly explains the construction of Vacuum tubes, special industrial applications of vacuum tubes and specifications for vacuum tubes. 297 pages. Shpg. Wt., 2 lbs. **\$2.45**

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RADIO CONSTRUCTION AND REPAIRING

Explains the construction and repairing of radio receivers, Television and Trouble shooting. 386 pages. Shpg. Wt., 2 lbs. **\$1.96**

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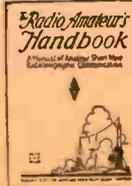
Electrad Resistor and Volume Control Handbook



A perpetual loose-leaf guide kept constantly up to date by revised lists sent you four times a year without additional charge. It shows at a glance exactly the value of resistors or volume controls required for all standard Radio Receivers. Contains resistor circuit diagrams and much useful information covering over 1000 receivers. Pocket size, 5x8 ins. Flexible black fabrikoid covers. **\$1.00**

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Radio Amateur's Handbook



This very informative book published by the American Radio Relay League contains all the information any one needs for the successful practice of Amateur Radio Communication. If you are just entering this most interesting field of Radio this book is your first essential; it explains every step in the construction of your first Transmitter and Receiver and tells you how to secure your License. Covers every phase of Amateur Radio. Profusely illustrated. This is the latest edition. **\$1.00**

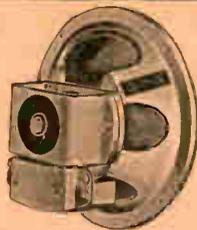
Y19949—Your Cost..... **\$1.00**

Magnavox



Dynamic

Magnavox, leaders in the Radio Reproducer field, have just announced these new units. A complete range of prices and sizes are included — midgets, consolets, consoles or clock types as well as automobile speakers. There are



Speakers

two powerful speakers for Public Address Systems. Each model offers richer tonal response throughout the entire frequency range — the result of continuous refinement. New models are more compact and efficient.

SPEAKERS

No finer reproducer has ever been designed for public address work than the famous Wright DeCoster. With its operating flux of 145,000 magnetic lines in the air gap extreme sensitivity without distortion is assured. On official tests these units have handled amplifiers having an undistorted output of 45 watts without developing any rattles or showing signs of breaking down. Dimensions: 12 inches wide, 9 1/4 inches deep, 12 1/2 inches high. MODEL 207: For 115 volt, 25-50-60 cycle A.C., with output transformer. List \$72.50. **2W19300—Your Cost... \$43.50**

MODEL 208: Same as Model 207 except without output transformer. List \$68.50. **2W19305—Your Cost... \$41.00**

MODEL 205X: For 110 volt D.C. 750 ohm field. With output transformer. List \$52.00. **2W19301—Your Cost... \$31.20**

MODEL 206X: For 110 volt D.C. 750 ohm field. No output transformer. **2W19306—Your Cost... \$28.20**

MODEL 205XX: For 220 volt D.C. 2500 ohm field. With output transformer. List \$52.00. **2W19302—Your Cost... \$31.20**

MODEL 206XX: For 220 volt D.C. 2500 ohm field. No output transformer. List \$47.00. **2W19317—Your Cost... \$28.20**

MODEL 215X: (10-in. cone) For 110 volt D.C. 750 ohm field. List \$34.00. **2W19304—Your Cost... \$20.40**

MODEL 215: (10-in. cone) For 220 volt D.C. 2500 ohm field. With output transformer. List \$34.00. **2W19303—Your Cost... \$20.40**

MODEL 217: (10-in. Cone) For 100-120 volt A.C. 25-50-60 cycles. With output transformer. List \$50.00. **2W19308—Your Cost... \$30.00**

Model 150

An exceedingly compact yet powerful reproducer, especially suitable for midget type receivers. Cone diameter 6 1/2 inches. Depth 4 inches. Handles 5 watts. **2W19325—For P-P or Single '45s.**
2W19326—For Single '47.
2W19327—For P-P '47s.
2W19328—For Parallel '47s.
List, \$8.50 (either type) **\$4.17**
Your Cost Each.....

Model 154

Cone diameter, 8 inches; overall depth, 4 1/2 ins.; handles 7 watts. An ideal unit for consolets. **2W19329—For P-P or Single '45s.**
2W19330—For Single '47.
2W19331—For P-P '47s.
2W19332—For Parallel '47s.
List, \$10.00 (either type) **\$4.90**
Your Cost Each.....

Model 150 and 154 Available for 6 Volts D.C. at Same Price. State Type Desired When Ordering.

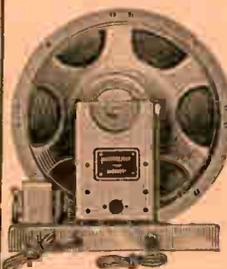
Model 152

Cone diameter 10 1/2 inches, overall depth 5 inches. Handles 10 watts without distortion. **2W19333—For P-P or Single '45s.**
2W19334—For Single '47.
2W19335—For P-P '47s.
2W19336—For Parallel '47s.
List, \$12.50 (either type) **\$6.12**
Your Cost Each.....

Model 153

Cone diameter 12 1/2 ins. Depth 5 1/2 ins. Handles 12 watts. A very powerful and efficient unit. **2W19337—For P-P or Single '45s.**
2W19338—For Single '47.
2W19339—For P-P '47s.
2W19340—For Parallel '47s.
List, \$13.00 (either type) **\$7.35**
Your Cost Each.....

MAGNAVOX A.C. PUBLIC ADDRESS SPEAKER



An amazing value! A big, powerful unit with baffle opening 11 3/4 inches (outside). Having a response curve which is practically flat from 50 to 9000 cycles it provides fidelity of reproduction seldom found in a unit at our low price. Uses an '80 type tube for rectifier. Finished in gold lacquer. Has push-pull output transformer for either '45s, '47s or '50s. Overall dimensions, 12 inches wide, 6 1/4 inches deep, 13 3/4 inches high. Complete with A.C. power cord and plug, and 32-inch 3-wire input cable. Shpg. Wt., 17 Lbs. **W19296—For '45s or '50s.**
W19297—For '47s.
Your Cost, Less Tubc..... **\$7.95**

MAGNAVOX PERMANENT MAGNET SPEAKER

This new permanent magnet Dynamic Speaker has acoustic properties of the highest order yet requires no field excitation. Battery operated receiving sets, Automobile Sets and multiple installations, by using these Speakers will compare most favorably with the finest A.C. Receivers. Size, overall, 10 1/4 ins. high, 5 1/4 ins. deep. Shpg. Wt., 11 Lbs. **W19323—Output of '71s and '45s.**
W19324—Output of '38s.
List \$15.00. Your Cost Each..... **\$7.50**



Dynamic Speakers

The New Lafayette Speakers are made under the supervision of MAGNAVOX Engineers and are a revelation in pure, sweet tone and surging power. We recommend them to our customers without reservation, for we honestly believe them to be the finest obtainable at anything near the price. There is a size for practically every radio purpose. They are available with 2500 ohm field.

Model "MA"

A compact little unit only 6 1/2 ins. in diameter, 4 ins. deep. Handles 5 watts. Shpg. Wt., 8 Lbs. **W19280—Single or P-P '45s.**
W19281—Single '47s.
W19282—Parallel '47s.
List \$8.50. Net..... **\$3.10**

Model "MB"

A slightly larger unit suitable for larger midgets and consoles. Cone, 8 inches. Depth, 4 1/2 ins. Shpg. Wt., 9 Lbs. **W19288—For Single or P-P '45s.**
W19289—For Single '47s.
W19290—For P-P '47s.
W19291—For Parallel '47s.
List, \$10.00. Net..... **\$4.00**

Model "MC"

The most popular size for consoles; 10 1/2-inch cone; 5 inches deep. Shpg. Wt., 10 Lbs. **W19284—Single or P-P '45s.**
W19285—For Single '47s.
W19286—For P-P '47s.
W19287—Parallel '47s.
List \$12.50. Net..... **\$5.00**

Model "MD"

A giant Speaker, especially designed for deluxe Radio Sets. The finest we have ever offered in its class. 12 1/2-inch cone; depth, 8 ins. Shpg. Wt., 11 Lbs. **W19292—For Single or P-P '45s.**
W19293—For Single '47s.
W19294—For P-P '47s.
W19295—For Parallel '47s.
List \$15.00. Net..... **\$6.00**

Wright DeCoster "INFANT"

Designed especially for those who require a high quality unit of compact size. It is capable of handling 245s in push-pull. Cone 6 ins. Overall size 8 1/4 x 4 1/4 ins. deep. For 110 volts D.C., 2500 ohms field. Shpg. Wt., 7 Lbs.

W19313—For Single or P-P '45s.
W19314—For Single '47s.
W19315—For P-P '47s.
W19316—For Parallel '47s.



List, \$9.00
Your Cost **\$5.40**

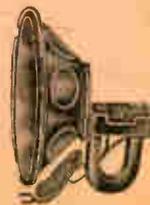
Wright DeCoster "Juvenile"

This new Speaker has a maximum power handling capacity of 6 watts and is suitable for installations in practically all sound and reproducing instruments to be used indoors. It has a standard field resistance of 2500 ohms, and output transformer to match impedances listed below. Cone diameter 10 inches; overall size, 12 1/4 x 8 1/4 inches. For 110 volts D.C. Shpg. Wt., 18 Lbs. **W19309—For Single or P-P '45s.**
W19310—For Single '47s.
W19311—For P-P '47s.
W19312—For Parallel '47s.
List \$16.50. Your Cost..... **\$9.90**



Stewart-Warner Dyphonic Elec. Speaker Chassis

Here, without doubt, is one of the most sensational speaker bargains ever offered in the history of radio. Stewart-Warner—a name with a history of remarkable success—offers a remarkable product at a remarkable price. This excellent speaker gives clear dynamic tone and volume, without distortion. Sturdily, compactly built. Cadmium coated against rust. Individually packed in original sealed cartons for your protection.



2W19214—Your Cost..... \$1.95

Jensen

ELECTRO-DYNAMIC SPEAKERS

T.Y.M. FLEX
TYPANUM FLEXUM

SPECIAL VALUES!



JENSEN AUDITORIUM MODELS

Four years of constant research and improvement in previous Jensen Auditorium Electro-Dynamic Speakers now leads to the New Auditorium Models—the most progressive step ever made in electro-dynamic speaker design. In sound output these new Auditorium Speakers are 400% more efficient than the conventional type. For example, adding one of them to an amplifier is the equivalent of using type 250 tubes instead of 45s, or the equivalent of using type 845 tubes in place of 250s. Bass response is unusually good, without any "boom" effect. Dimensions: overall width, 13-5/16 Ins., overall height, 13-23/32 Ins., depth, 8-13/16 Ins. Baffle opening, 12 inches. Shpg. Wt., D-C—48 Lbs., A-C—56 Lbs.

For 110 Volts A.C.
W19246—For P-P '45s, '50s, or '71A.
List, \$67.50. **Your Cost \$40.00**

W19247—As above for 220 volts A.C.
Your Cost \$43.50

(A.C. Models use the new 82 Mercury Vapor Rectifier and are priced with tube.)

Field
W19248—For P-P '45s, '50s, or '71A.
List, \$45.00. **Your Cost \$26.50**

(All Auditorium Models are equipped with input transformers and can be furnished to match all standard impedances.)

Jensen Auditorium Jr.

Model D-8-G A.C.: The latest and newest addition to the Jensen line. Slightly smaller than the regular Auditorium Unit. Widely used as monitor speaker in theatre installations or for recording studio play-back purposes. In conjunction with the Imperial Cabinet it becomes a magnificent reproducer for home use. Particular attention has been paid to the response curve in its design with resulting uniformity of response over the entire musical range. Employs high voltage dry rectifier system. Input transformer included. Overall size, 11 1/2 Ins. high, 11 1/2 Ins. wide, 7-7/32 Ins. deep. For 110 volts, 50-60 cycle A.C.
W19235—For P-P '45s or '50s.
W19236—For P-P '47s. List \$45.00. **Your Cost \$27.00**



JENSEN CONCERT MODEL

Model D-16: This speaker is a sequel to the popular Model D-15 which is so widely used in current model radio receivers. It is slightly smaller in size, but its performance is fully equal to the Model D-15. T.Y.M. FLEX Cone removable without disassembling Speaker. For 110 volts D.C. operation, 2500 ohm field. Has input transformer. Size overall, 8 inches high, 4-17/32 inches deep. Shpg. Wt., 8 Lbs.
W19238—For Single or P-P '45s.
W19239—For Single or P-P '47s. **\$3.95**
List, \$10.00. **Your Cost \$3.95**



JENSEN CONCERT D-9

The new Model D-9 is designed for operation with all types of amplifier systems and particularly for use with the latest model radio receiving sets. It is used by America's leading set manufacturers who insist on equipping their console sets with the finest possible reproducer. 10-inch T.Y.M. FLEX Cone. For 110 volt D.C. (2500 ohm field) or 110 volt, 50-60 cycle A.C. (Dry rectifier system.) Overall sizes, (D.C.) 11 1/2 inches high, 12 inches wide, 5-19/32 inches deep. Shpg. Wt., 10 Lbs. (A.C.) 11 1/2 inches high, 12 inches wide, 5-19/32 inches deep. Shpg. Wt., 13 Lbs.



D.C. MODEL
W19242—For '45s or '50s.
W19243—For '47s. **\$5.95**
List \$18.50. **Your Cost \$5.95**
JENSEN D-15 A.C. Similar to Model D-9, except slightly smaller.
W19219—For '45s, or '50s.
W19229—For '47s. List Price, \$20.00. **Your Cost \$11.95**

A.C. MODEL
W19244—For '45s or '50s.
W19245—For '47s. **\$13.95**
List \$27.50. **Your Cost \$13.95**

Jensen Permanent Magnet Speaker



A high grade Dynamic Speaker which requires no field excitation. Especially desirable for battery operated receivers. The field current supplied by permanent magnet which does not diminish in strength. Overall size, 9-23/32 Ins. high, 9 Ins. wide, 5 1/2 Ins. deep. Shpg. Wt., 11 Lbs. List \$15.90.
W19234—PM-1 for '45s.
W19249—For 23fs or '47s. **\$7.95**
Your Cost \$7.95



CRYSTAL SPEAKER

A new improved reproducer characterized by its unusual range and great sensitivity. It operates on the piezo-electric principle, requiring neither field current nor polarized voltage. It may be applied to any radio set in place of existing speaker, or one or more may be connected as extension speakers. Small power consumption. Connected directly across high impedance choke in plate of pentodes. If other type tubes are used a transformer is necessary. Greatly improves tone quality of any set. Diameter 9 1/2 ins., depth 3 3/4 ins. Shpg. Wt., 5 lbs.

4W19230—Speaker Complete **\$10.00**
Your Cost Each.....
4W19231—Motor Only **\$6.00**
Your Cost.....

RCA 103 SPEAKER

The RCA model 103 is flawless in tone and has volume not ordinarily found in magnetic reproducers. The frame is beautifully carved, antique oak finish. Speaker opening is covered with attractive tapestry design. Size, 15 inches high, 13 1/2 inches wide. Shpg. Wt., 13 Lbs. Complete with pin tip speaker cord.



2W19208—List Price, \$37.50 **\$2.95**
Your Special Price.....

ROLA-R-A-C

Oxide Rectifier Speaker

The tremendous power handling capacity of this fine reproducer makes it especially suitable for public address and deluxe radio installations. Mechanically it is one of the most rugged units ever designed and electrically it leaves nothing to be desired in power, uniformity of response and quietness of operation. Size, 11 Ins. wide, 11 1/2 Ins. high, 9 3/4 Ins. deep. For 25 or 60 cycle A.C. Shpg. Wt., 35 Lbs.
W19220—For '45s or '50s. **\$29.50**
List \$60.00. **Your Cost \$29.50**



UTAH STADIUM D.C. 12 1/4 In. Cone

The Utah Stadium Dynamic offers the closest approach to the ideal that present day engineering knowledge and manufacturing skill can produce. Their power is tremendous and their tone is clear and crisp. Equipped with input transformers as listed below. Overall size, 11 1/2 Ins. wide, 12 1/2 Ins. high, 7 1/2 Ins. deep; cone diameter, 10 Ins. Shpg. Wt., 20 Lbs.
W19217—For single '45. **\$4.95**
W19218—For P-P '45s. Each.....



TEMPLE A.C. DYNAMIC SPEAKER

Temple Speakers are designed and constructed especially for use with modern high output Radio Receivers. Special cone and small conical part for high notes and flat outer ring for heavy notes. One-piece diaphragm. Gives perfect reproduction of the entire audible range. Has output transformer for single '45 or '71. For A.C. 110 50-60 cycle. Dry Rectifier Type. Humless. Shpg. Wt., 24 Lbs. List, Price, \$39.50.



W19202 **\$5.75**
Your Cost Each.....



R.C.A. 106 Dynamic Speaker

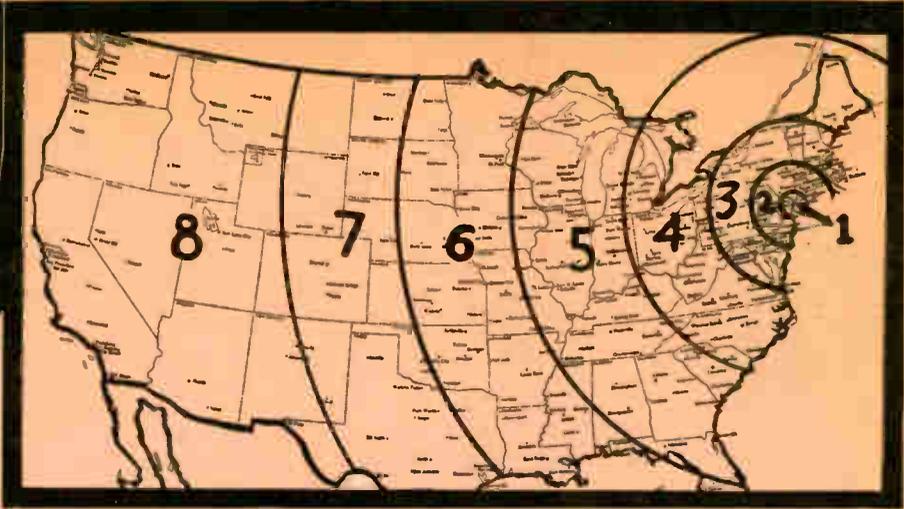
This famous speaker continues one of the most popular of all Dynamic Reproducers. Equipped with Westinghouse Double Rectifying Unit. Beautiful cabinet of choice hardwood, American walnut finish. Front and sides are covered in gorgeous tapestry. Size, 34 1/2 Ins. high, 22 3/4 Ins. wide, 10 1/2 Ins. deep. Shpg. Wt., 80 Lbs.
Y19752—For 110 volts, 60 cycle A.C., with input transformer for single '50, '71A, or '45. **\$13.50**
Your Cost Each.....



JENSEN IMPERIAL

Assembled as America's finest and most beautiful Speaker Cabinet. Equipped with the Jensen Auditorium or Concert unit volume of concert hall intensity is possible, yet such a combination will retain its full brilliance at softest living room volume. This beautiful console is extensively used in executive offices and reception rooms of Broadcasting Stations, in hotels and theatre lobbies.
S17700—Imperial Cabinet, Less Speaker, List \$45.00 **\$26.75**
Your Cost.....

READ
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BEFORE
ORDERING



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. The following rates become effective Oct. 1, 1932.

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

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.

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

ON ALL ORDERS FOR FIFTY (\$50.00) DOLLARS OR MORE DEDUCT 2% FROM THE TOTAL AS A TRANSPORTATION ALLOWANCE.

IMPORTANT. Indicate catalog number and stock number on order blank. The number of this catalog shown on front cover is 53.

When ordering, specify method of shipment you prefer. In the upper right hand corner of the order blank you will find a series of squares marked "Express," "Parcel Post," "Freight," "Boat," and "Best Way" arranged for your instructions. **ALL MERCHANDISE SHIPPED BY EXPRESS SUBJECT TO INSPECTION** if you specify this in your order blank.

If you find it necessary to return any merchandise for adjustment please write, stating full details, **BEFORE** returning package. We will **IMMEDIATELY** forward necessary shipping instructions. Your cooperation in this respect will be appreciated—and it will help us to give you better service.

FOREIGN ORDERS

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

Our terms on ALL foreign sales are as follows: Payment in New York by letter of credit against documents, or 50% deposit **WITH ORDER**, balance sight draft against Bill of Lading. All quotations F. O. B. 100 Sixth Avenue, New York, with slight additional charge for export packing. **ORDERS UP TO \$25.00 PAYABLE IN FULL IN ADVANCE.** Remittance by draft on New York bank in U. S. Currency. We do not recommend that you send us foreign money orders, or checks as shipment will be delayed until cleared.

The average Parcel Post rate on foreign shipments is 14¢ 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 16¢ 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	10	" "
between 5.00 & 25.00	15	" "
25.00 & 50.00	25	" "
50.00 & 100.00	5	extra

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

C. O. D. SHIPMENTS

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

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

For each \$50.00 value above \$200.00 the charge is 5¢ 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.

Occasionally we have to back-order an item. This is due to some unavoidable slowness on the part of the factories in making deliveries. Our system of maintaining a large stock on hand of all items avoids such delays considerably.

PLEASE! NO MAIL ORDERS UNDER \$3.00

We ask your cooperation! Please do not send in orders for less than \$3.00. Mail orders for less than \$3.00 cannot be profitably handled as such orders would increase our operating expenses and result in an increase in prices. Where orders are shipped, which amount to less than \$3.00, we have found from actual experience that the transportation costs are proportionately much higher.

here at **WHOLESALE!**

THE LARGEST, MOST COMPLETE STOCK of QUALITY

REPLACEMENT PARTS

In the Country!

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

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

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

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

WHOLESALE RADIO is justly known as "Replacement Parts Headquarters." Here you will find a complete assortment of Replacement Parts. Parts for every type of receiver. A huge stock is constantly maintained in order to assure rapid, satisfactory service. Our stock is the largest carried by any Radio Mail Order House.

We realize the importance of quick delivery on parts orders. In order to avoid delays, a careful stock record is kept so that a complete stock is always on hand. Shipments are made just as fast as human ability can take care of them. You can be sure that your orders will receive **ACCURATE, CAREFUL and PROMPT** attention.

Brand New Guaranteed Merchandise

The so-called "Replacement Parts Racket" has been brought to our attention—a racket that has done immeasurable harm to the reputable service man and dealer. Quantities of parts rejected by set manufacturers as being imperfect, or that have been dumped on the market because of manufacturing flaws have been offered for sale. This merchandise is made to look like new with pitch pots and paint, doctored up when necessary, and sold as new, perfect stock. The innocent service man and dealer fails to discover he has been duped until a repair job comes back from an irate, and dissatisfied, customer. **WHOLESALE RADIO** guarantees to ship **BRAND NEW, PERFECT MERCHANDISE**—to sell it to you at the lowest possible price—to give you **HONEST** value. Again we repeat—buy with safety, from the "reliability house of radio"

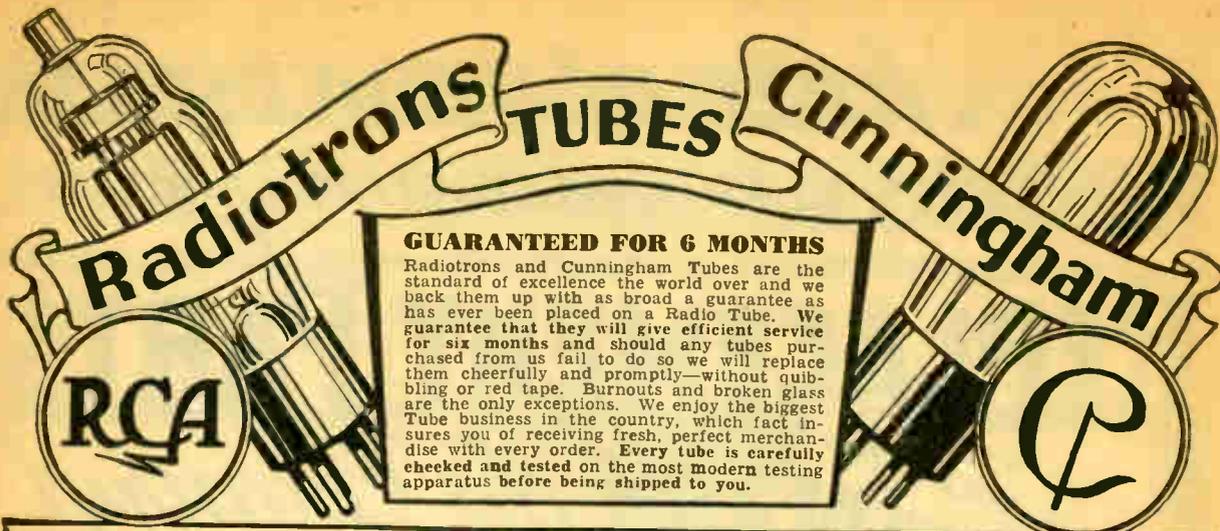
It's always bargain day at Wholesale!

Compare our prices carefully! You won't find one item suspiciously cheap and others surprisingly high. Right through this catalog, from beginning to end, prices are lowest Wholesale quotations!



SECTION OF TUBE LABORATORY

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



GUARANTEED FOR 6 MONTHS

Radiotrons and Cunningham Tubes are the standard of excellence the world over and we back them up with as broad a guarantee as has ever been placed on a Radio Tube. We guarantee that they will give efficient service for six months and should any tubes purchased from us fail to do so we will replace them cheerfully and promptly—without quibbling or red tape. Burnouts and broken glass are the only exceptions. We enjoy the biggest Tube business in the country, which fact insures you of receiving fresh, perfect merchandise with every order. Every tube is carefully checked and tested on the most modern testing apparatus before being shipped to you.

AMPLIFIER DETECTOR

12A V18412—Radiotron
V18512—Cunningham
List, \$1.55 **91¢**
Dealer's Cost

POWER AMPLIFIER, 3.3 Volts
120 V18420—Radiotron
V18520—Cunningham
List, \$3.00 **1.76**
Dealer's Cost

POWER AMPLIFIER, 5 Volts
71A V18471—Radiotron
V18371—Cunningham
List, \$.95 **56¢**
Dealer's Cost

DETECTOR Amplifier, 3.3 Volts
V199 V18498—Radiotron
V18598—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

DETECTOR Amplifier, 3.3 Volts
X199 V18499—Radiotron
V18599—Cunningham
List, \$2.55 **1.50**
Dealer's Cost

SUPERSENSITIVE DETECTOR
200A V18400—Radiotron
V18500—Cunningham
List, \$4.00 **2.35**
Dealer's Cost

DETECTOR AMPLIFIER
201A V18401—Radiotron
V18501—Cunningham
List, \$.80 **47¢**
Dealer's Cost

POWER AMPLIFIER-OSCILLATOR
210 V18410—Radiotron
V18510—Cunningham
List, \$7.25 **4.26**
Dealer's Cost

SCREEN GRID D.C. AMPLIFIER
222 V18422—Radiotron
V18522—Cunningham
List, \$3.15 **1.85**
Dealer's Cost

SCREEN-GRID A. C. AMPLIFIER
224A V18424—Radiotron
V18524—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

GEN. PURPOSE A. C. AMPLIFIER
226 V18426—Radiotron
V18526—Cunningham
List, \$.85 **50¢**
Dealer's Cost

A. C. AMPLIFIER DETECTOR
227 V18427—Radiotron
V18527—Cunningham
List, \$1.05 **62¢**
Dealer's Cost

DETECTOR-AMPLIFIER, 2 Volts
230 V18430—Radiotron
V18530—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

POWER AMPLIFIER, 2 Volts
231 V18431—Radiotron
V18531—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

S-G AMPLIFIER, 2 Volts
232 V18432—Radiotron
V18532—Cunningham
List, \$2.35 **1.38**
Dealer's Cost

PENTODE, 2 Volts, D.C.
233 V18433—Radiotron
V18533—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

Super-Control RF. Amp. Pentode
234 V18434—Radiotron
V18534—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

Super-Control SCREEN GRID
235 V18435—Radiotron
V18535—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

D.C. SCREEN-GRID 6.3 V
236 V18436—Radiotron
V18536—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

D.C. 237 DET-AMP. 6.3 V.
237 V18437—Radiotron
V18537—Cunningham
List, \$1.80 **1.06**
Dealer's Cost

D.C. HEATER PENTODE 6.3 V
238 V18438—Radiotron
V18538—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

NEW R.F. PENTODE 6.3 V
239 V18439—Radiotron
V18539—Cunningham
List, \$2.80 **1.65**
Dealer's Cost

POWER AMPLIFIER
245 V18445—Radiotron
V18545—Cunningham
List, \$1.15 **68¢**
Dealer's Cost

POWER AMPLIFIER
46 V18446—Radiotron
V18546—Cunningham
List, \$1.55 **91¢**
Dealer's Cost

POWER PENTODE
247 V18447—Radiotron
V18547—Cunningham
List, \$1.60 **94¢**
Dealer's Cost

POWER AMPLIFIER
250 V18450—Radiotron
V18550—Cunningham
List, \$6.20 **3.64**
Dealer's Cost

DUPLEX DIODE-TRIODE
55 V18455—Radiotron
V18555—Cunningham
List, \$1.60 **94¢**
Dealer's Cost

DETECTOR-OSCILLATOR-AMP.
56 V18456—Radiotron
V18556—Cunningham
List, \$1.30 **76¢**
Dealer's Cost

TRIPLE-GRID AMP-DETECTOR
57 V18457—Radiotron
V18557—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

6 ELEMENT AMPLIFIER
58 V18458—Radiotron
V18558—Cunningham
List, \$1.65 **97¢**
Dealer's Cost

DUPLEX DIODE-TRIODE for Storage Battery Operation.
85 V18485—Radiotron
V18585—Cunningham
List, \$1.60 **94¢**
Dealer's Cost

TRIPLE-GRID Power Amplifier for Storage Battery Operation.
89 V18489—Radiotron
V18589—Cunningham
List, \$1.80 **1.06**
Dealer's Cost

FULL-WAVE RECTIFIER
280 V18480—Radiotron
V18580—Cunningham
List, \$1.05 **62¢**
Dealer's Cost

HALF-WAVE RECTIFIER
281 V19481—Radiotron
V18581—Cunningham
List, \$5.20 **3.06**
Dealer's Cost

FULL-WAVE MERCURY VAPOR RECTIFIER 2.5 V
82 V18482—Radiotron
V18582—Cunningham
List, \$1.80 **76¢**
Dealer's Cost

F-W, M-V RECTIFIER 5 V.
83 V18483—Radiotron
V18583—Cunningham
List, \$1.55 **91¢**
Dealer's Cost

3 ELECTRODE 1.1 Volt Filament
864 V18464—Radiotron
V18564—Cunningham
List, \$2.10 **1.58**
Dealer's Cost

3 ELECTRODE Hi-Mu Voltage Amplifier 7.5 Volt Filament
841 V18441—Radiotron
V18541—Cunningham
List, \$10.00 **8.84**
Dealer's Cost

Same appearance and filament characteristics as 210 but has low amplification factor. For use as a.f. amplifier and modulator.
842 V18442—Radiotron
V18542—Cunningham
List, \$10.40 **8.12**
Dealer's Cost

VOLTAGE REGULATOR
874 V18474—Radiotron
V18574—Cunningham
List, \$4.90 **2.88**
Dealer's Cost

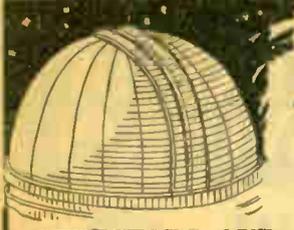
BALLAST TUBE
876 V18476—Radiotron
V18576—Cunningham
List, \$6.70 **3.94**
Dealer's Cost

VOLTAGE REGULATOR TUBE
886 V18477—Radiotron
V18577—Cunningham
List, \$6.75 **3.97**
Dealer's Cost



NEW RADIOTRON MANUAL

With each purchase of 20 or more assorted Radiotrons or Cunningham Tubes we send FREE this 83 page Manual which contains a wealth of interesting and useful information concerning the manufacture, theory, characteristics, installation, and use of Vacuum Tubes, including new types. Over 150 graphs, charts, tables and illustrations.



ARCTURUS & Sylvania TUBES

DETECTORS AND AMPLIFIERS

Special Super-sensitive Detector
200A V18800—Sylvania
List, \$4.00 **\$2.12**
Your Cost

AMPLIFIER AND DETECTOR
201A V18701—Arcturus
V18801—Sylvania
List, 80c **42c**
Your Cost

SCREEN-GRID AMPLIFIER
222 V18722—Arcturus
V18822—Sylvania
List, \$3.15 **\$1.67**
Your Cost

A-C SCREEN-GRID AMPLIFIER
24A V18724—Arcturus
V18824—Sylvania
List, \$1.65 **87c**
Your Cost

A-C AMPLIFIER
226 V18726—Arcturus
V18826—Sylvania
List, 85c **45c**
Your Cost

A-C AMPLIFIER & DETECTOR
227 V18727—Arcturus
V18827—Sylvania
List, \$1.05 **56c**
Your Cost

2.5 Volt Double Grid Detector
229 V18829—Sylvania
List, \$3.65 **\$1.93**
Your Cost

Dry Cell Amplifier and Detector
230 V18730—Arcturus
V18830—Sylvania
List, \$1.65 **87c**
Your Cost

DRY CELL S-G AMPLIFIER
232 V18732—Arcturus
V18832—Sylvania
List, \$2.35 **\$1.25**
Your Cost

VARI-MU R.F. PENTODE
234 V18734—Arcturus
V18834—Sylvania
List, \$2.80 **\$1.48**
Your Cost

SUPER CONTROL TETRODE
235 V18835—Sylvania
List, \$1.65 **87c**
Your Cost

AUTOMOBILE TETRODE
236 V18736—Arcturus
V18836—Sylvania
List, \$2.80 **\$1.48**
Your Cost

AUTOMOBILE TRIODE
237 V18737—Arcturus
V18837—Sylvania
List, \$1.80 **95c**
Your Cost

R.F. PENTODE
239 V18739—Arcturus
V18839—Sylvania
List, \$2.80 **\$1.48**
Your Cost

HIGH-MU AMPLIFIER
240 V18840—Sylvania
List, \$3.15 **\$1.67**
Your Cost

PENTODE for D.C. Line Svc.
43 V18843—Sylvania
List, \$4.00 **\$2.12**
Your Cost

ARCTURUS Blue TUBES offer you exclusive advantages that have gained a wide consumer acceptance: **Immunity to Overloads**—Resist overloads as high as 50%. **Less Hum**—Comparative tests show that Arcturus Tubes have 52% less hum than other tubes. **Long Life**—Arcturus Tubes have established an unchallenged world's record for long life. **Life-like Tone**—Comparison in any receiver shows the improved tone of Arcturus Tubes. **Blue Tubes**—This distinctive color assures dealers of repeat business on the blue tube.

SYLVANIA SET TESTED TUBES

Sylvania Tubes have earned an enviable reputation for unerring uniformity of quality. Every tube is tested under actual working conditions. An indication of their important position in the radio industry is reflected in the fact that SYLVANIA made radio history by developing the new 6.3-volt tubes for use in auto radio some 20 months ago, and today they again pioneer by adapting the same type of tube to all types of receivers, other than battery operated receivers.

Super-Control R.F. PENTODE
44 V18744—Arcturus
V18844—Sylvania
List, \$2.85 **\$1.51**
Your Cost

VARIABLE MU TETRODE
551 V18751—Arcturus
List, \$1.65 **87c**
Your Cost

A-C AMPLIFIER & DETECTOR
56 V18756—Arcturus
V18856—Sylvania
List, \$1.30 **69c**
Your Cost

R.F. PENTODE
57 V18757—Arcturus
V18857—Sylvania
List, \$1.65 **87c**
Your Cost

R.F. PENTODE (Vari-Mu)
58 V18758—Arcturus
V18858—Sylvania
List, \$1.65 **87c**
Your Cost

6.3 Volt Double Grid Detector
69 V18869—Sylvania
List, \$3.65 **\$1.93**
Your Cost

Dry Cell Amplifier and Detector
V99 V18798—Arcturus
V18898—Sylvania
List, \$2.80 **\$1.48**
Your Cost

Dry Cell Amplifier and Detector
X99 V18799—Arcturus
V18899—Sylvania
List, \$2.55 **\$1.35**
Your Cost

Duplex Diode-Triode 6 Pin.
55 V18755—Arcturus
V18855—Sylvania
List, \$1.60 **85c**
Your Cost

Duplex Diode-Triode for Storage Battery Operation
85 V18885—Sylvania
List, \$1.60 **85c**
Your Cost

Triple Grid Power Amplifier for Storage Battery Operation
89 V18789—Arcturus
V18889—Sylvania
List, \$1.80 **95c**
Your Cost

POWER AMPLIFIERS
Power Amplifier and Oscillator
210 V18710—Arcturus
V18810—Sylvania
List, \$7.25 **\$3.84**
Your Cost

Amplifiers
12A V18712—Arcturus
V18812—Sylvania
List, \$1.55 **82c**
Your Cost

Dry Cell Power Amplifier
220 V18820—Sylvania
List, \$3.00 **\$1.59**
Your Cost

Dry Cell Power Amplifier
231 V18731—Arcturus
V18831—Sylvania
List, \$1.65 **87c**
Your Cost

Dry Cell Power Pentode
233 V18733—Arcturus
V18833—Sylvania
List, \$2.80 **\$1.48**
Your Cost

Automobile Pentode
238 V18738—Arcturus
V18838—Sylvania
List, \$2.80 **\$1.48**
Your Cost

Cathode Type Power Pentode
41 V18841—Sylvania
List, \$2.85 **\$1.51**
Your Cost

Cathode Type Power Pentode
42 V18742—Arcturus
V18842—Sylvania
List, \$2.85 **\$1.51**
Your Cost

Power Amplifier
245 V18745—Arcturus
V18845—Sylvania
List, \$1.15 **61c**
Your Cost

Power Amplifier
246 V18746—Arcturus
V18846—Sylvania
List, \$1.55 **82c**
Your Cost

Power Pentode
247 V18747—Arcturus
V18847—Sylvania
List, \$1.60 **85c**
Your Cost

Power Amplifier
250 V18750—Arcturus
V18850—Sylvania
List, \$6.20 **\$3.29**
Your Cost

Last Audio Stage Pow'r Amplifier
71A V18771—Arcturus
V18871—Sylvania
List, 95c **50c**
Your Cost

RECTIFIERS
Full Wave Rectifier
280 V18780—Arcturus
V18880—Sylvania
List, \$1.05 **56c**
Your Cost

Half Wave Rectifier
281 V18781—Arcturus
V18881—Sylvania
List, \$5.20 **\$2.76**
Your Cost

Full Wave M-V Rectifier
82 V18782—Arcturus
V18882—Sylvania
List, \$1.30 **66c**
Your Cost

Full Wave M-V Rectifier
83 V18783—Arcturus
List, \$1.55 **82c**
Your Cost

WUNDERLICHS
Wunderlich "A" 2.5 V. Detector
V18775—5 Pin Base
V18776—6 Pin Base
List, \$3.00. Your Cost **\$1.95**

WUNDERLICH "B" 2.5 V. Detector. Auxiliary Anode used as Diode Rectifier; connected to top cap.
V18777—6 Pin Base **\$1.95**
List, \$3.00. Your Cost

WUNDERLICH "A" Automotive 6.3 V. Detector. 6 Pin Base.
V18778—6 Pin Base **\$1.95**
List, \$3.00. Your Cost

WUNDERLICH "B" Automotive 6.3 V. Detector. Auxiliary Anode used as a Diode Rectifier; connected to top cap. 6 Pin Base.
V18779—List, \$3.00 **\$1.95**
Your Cost

ARCTURUS 15-Volt TUBES
TYPE 22: Screen-Grid Amplifier
List, \$7.80 **\$4.13**
Your Cost
TYPE 26: Detector
List, \$1.20. Your Cost **22c**
TYPE 30: Power Amplifier
List, \$3.15. Your Cost **167c**
TYPE 32: High Mu
List, \$3.15. Your Cost **167c**
TYPE 28: Amplifier
List, \$3.15. Your Cost **167c**
TYPE 48: Amplifier
List, \$3.15. Your Cost **167c**

Special Tubes for SPARTON SETS
A-C Power Amplifier
182B V18890—Sylvania
List, \$2.35 **\$1.25**
Your Cost

A-C Power Amplifier
183 V18891—Sylvania
List, \$2.10 **\$1.11**
Your Cost

A-C Amplifier and Detector
485 V18892—Sylvania
List, \$1.85 **98c**
Your Cost

LAFAYETTE PRECISION » TUBES



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

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

PRECISION MADE
Lafayette Tubes are the perfect product of coordinated efforts of engineers and craftsmen, and of the most modern automatic tube making machinery. In attaining their precise uniformity of quality, each component part of the tube structure is painstakingly tested and inspected for dimensions and purity of materials. Many of the parts are gauged to thousandths of an inch. The same care which is used in the selections of these parts is also exercised in every step of all manufacturing processes: from the blowing of the "flare" to the final inspection, no detail is left to the care of inexpert workmen.

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

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

Lafayette Tubes are Guaranteed for Six Months!

(Breakage and Burnouts alone are excepted)

EVEREADY RAYTHEON

4 PILLAR TUBES

People with technical experience, like dealers and service men, can understand at a glance the selling advantages of Eveready 4 Pillar construction. They know the importance of sturdy construction in tubes which must be handled in "over-the-counter" sales. Four pillars instead of two practically double its resistance against dangerous vibration from powerful dynamic speakers, and jars and jolts of handling.



DETECTOR & AMPLIFIER 12A V18912—Lafayette List, \$1.55 Your Cost... 70¢ V18612—Eveready List, \$1.55. Your Cost... 84¢	DRY CELL AMPLIFIER 231 V18931—Lafayette List, \$1.65 Your Cost... 74¢ V18631—Eveready List, \$1.65. Your Cost... 89¢	AUTOMOBILE PENTODE 238 V18938—Lafayette List, \$2.80 Your Cost... \$1.26 V18638—Eveready List, \$2.80. Your Cost... \$1.51	DUPLEX DIODE TRIODE 55 V18955—Lafayette List, \$1.60 Your Cost... 72¢ V18655—Eveready List, \$1.60. Your Cost... 86¢
POWER AMPLIFIER 71A V18971—Lafayette List, 95c Your Cost... 43¢ V18671—Eveready List, 95c. Your Cost... \$51¢	DRY CELL S.G. AMPLIFIER 232 V18932—Lafayette List, \$2.35 Your Cost... \$1.06 V18632—Eveready List, \$2.35. Your Cost... \$1.27	R. F. PENTODE 239 V18939—Lafayette List, \$2.80 Your Cost... \$1.26 V18639—Eveready List, \$2.80. Your Cost... \$1.51	A.C. AMPLIFIER & DETECTOR 56 V18956—Lafayette List, \$1.30 Your Cost... 59¢ V18656—Eveready List, \$1.30. Your Cost... 70¢
DRY CELL Detector & Amplifier X99 V18999—Lafayette List, \$2.55 Your Cost... \$1.15 V18699—Eveready List, \$2.55. Your Cost... \$1.38	DRY CELL POWER PENTODE 233 V18933—Lafayette List, \$2.80 Your Cost... \$1.26 V18633—Eveready List, \$2.80. Your Cost... \$1.51	VARI-MU TETRODE 551 V18951—Lafayette List, \$1.65 Your Cost... 74¢ V18651—Eveready List, \$1.65. Your Cost... 89¢	R. F. PENTODE 57 V18957—Lafayette List, \$1.65 Your Cost... 74¢ V18657—Eveready List, \$1.65. Your Cost... 89¢
AMPLIFIER and DETECTOR 01A V18901—Lafayette List, 80c. Your Cost... 36¢ V18601—Eveready List, 80c. Your Cost... 43¢	VARI-MU R.F. PENTODE 234 V18934—Lafayette List, \$2.80 Your Cost... \$1.26 V18634—Eveready List, \$2.80. Your Cost... \$1.51	POWER AMPLIFIER 245 V18945—Lafayette List, \$1.15 Your Cost... 52¢ V18645—Eveready List, \$1.15. Your Cost... 62¢	R. F. PENTODE (Vari-Mu) 58 V18958—Lafayette List, \$1.65 Your Cost... 74¢ V18658—Eveready List, \$1.65. Your Cost... 89¢
SCREEN-GRID AMPLIFIER 222 V18922—Lafayette List, \$3.15 Your Cost... \$1.42 V18622—Eveready List, \$3.15. Your Cost... \$1.70	SUPER-CONTROL TETRODE 235 V18935—Lafayette List, \$1.65 Your Cost... 74¢ V18635—Eveready List, \$1.65. Your Cost... 89¢	POWER PENTODE 46 V18946—Lafayette List, \$1.55 Your Cost... 70¢ V18646—Eveready List, \$1.55. Your Cost... 84¢	FULL-WAVE RECTIFIER 280 V18980—Lafayette List, \$1.05 Your Cost... 47¢ V18680—Eveready List, \$1.05. Your Cost... 57¢
A.C. SCREEN-GRID AMPLIFIER 24A V18924—Lafayette List, \$1.65 Your Cost... 74¢ V18624—Eveready List, \$1.65. Your Cost... 89¢	AUTOMOBILE TETRODE 236 V18936—Lafayette List, \$2.80 Your Cost... \$1.26 V18636—Eveready List, \$2.80. Your Cost... \$1.51	POWER PENTODE 247 V18947—Lafayette List, \$1.60 Your Cost... 71¢ V18647—Eveready List, \$1.60. Your Cost... 86¢	HALF-WAVE RECTIFIER 281 V18981—Lafayette List, \$5.20 Your Cost... \$2.34 V18681—Eveready List, \$5.20. Your Cost... \$2.81
A.C. AMPLIFIER 226 V18926—Lafayette List, 85c Your Cost... 38¢ V18626—Eveready List, 85c. Your Cost... 46¢	AUTOMOBILE TRIODE 237 V18937—Lafayette List, \$1.80 Your Cost... 81¢ V18637—Eveready List, \$1.80. Your Cost... 97¢	POWER AMPLIFIER 250 V18950—Lafayette List, \$6.20 Your Cost... \$2.79 V18650—Eveready List, \$6.20. Your Cost... \$3.35	FULL-WAVE M.V. RECTIFIER 282 V18982—Lafayette List, \$1.30 Your Cost... 58¢ V18682—Eveready List, \$1.30. Your Cost... 70¢
A.C. AMPLIFIER & DETECTOR 227 V18927—Lafayette List, \$1.05 Your Cost... 47¢ V18627—Eveready List, \$1.05. Your Cost... 57¢	EVEREADY GAS RECTIFIERS		
DRY CELL Detector & Amplifier 230 V18930—Lafayette List, \$1.65 Your Cost... 74¢ V18630—Eveready List, \$1.65. Your Cost... 89¢	Full-Wave Rectifier For Eliminators and A.C. Sets. 125 ma. V18695—List, \$4.65 Your Cost... \$2.51	Full-Wave Rectifier For "A" and "B" Eliminators. 250 ma. V18696—List, \$7.50 Your Cost... \$4.05	Half-Wave Rectifier For Automobile Eliminators. V18697—List, \$2.75 Your Cost... \$1.49
POWER Amplifier & Oscillator 210 V18910—Lafayette List, \$7.25 Your Cost... \$3.36 V18610—Eveready List, \$7.25. Your Cost... \$3.92			

TRANSMITTING TUBES

TYPE 281-M

Half Wave Indirect-heated Cathode Tube. 7½ volts at 1¼ filament. 7500 volts inverse peak at 150 M.A., peak current. A tube with exceptionally long life, that will replace the UX 281. Filament must be applied before plate voltage as when using 866's. **\$250**
V19129—Your Cost



TYPE 866

Hot cathode mercury vapor rectifier. Filament volts: 2.5. Filament current: 5 amperes. Maximum inverse peak: 7500 Volts. Maximum peak plate current: 6 Amp. Filament should be heated for 30 seconds before plate voltage is applied. **\$285**
V19130—Your Cost

TYPE 872

A hot cathode half wave mercury vapor rectifying tube designed for use where heavier currents than the 866 will furnish are required. The filament should be heated by alternating current at the rated value and should be lighted for 30 seconds before applying the plate voltage. Fil. volts: 5 at 10 amperes. Maximum inverse peak, 7500 volts. Maximum peak plate current, 2.5 Amps. **\$1150**
V19131—Your Cost



TRUATEST 50 Watters and Mercury Rectifiers

TRUATEST TRANSMITTING TUBES ARE THE RESULT OF OUR EFFORT TO BRING TO THE AMATEUR A LINE OF LOW PRICE TUBES WHICH ARE THOROUGHLY RELIABLE AND GUARANTEED FOR 90 DAYS. HAND MADE AND INDIVIDUALLY TESTED.

TYPE 203-A

The standard 50 watt Oscillator, R. F. Amplifier and Class "B" Modulator. Filament volts: 10. Filament current: 3.25 Amps. Plate volts: normal 1250. Plate current: 125 M.A. Interchangeable with UV 203-A, E703-A and 503-A. **\$1100**
V19127—Your Cost



TYPE 211

General purpose 50 watt tube; equally efficient as oscillator, A.F. and R.F. amplifier and modulator. Filament volts: 10. Filament current: 3.25 Amps. Plate voltage: 1250. Plate current: 125 M.A. Interchangeable with UV 211, E-711 and 511. Similar in appearance to 203-A. **\$1100**
V19128—Your Cost

TYPE 845

Fifty watt linear power amplifier and modulator. Not recommended for use in R.F. circuits. Primarily an audio frequency tube. Ratings as modulator—Filament volts: 10. Filament current: 3.25 Amps. Plate volts: 1250. Plate current: 775 M.A. Interchangeable with UV-845, E-745 and 545. Similar in appearance to 203A. **\$1100**
V19125—Your Cost

TYPE 210

The popular 15 watt oscillator. Filament: 7 volts at 1.25 Amps. Plate: 450 volts at .06 Amp. **\$325**
V19126—Your Cost



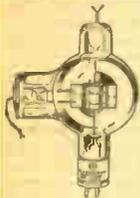
TYPE 871



New Type. 2½ Volt at 2 Amp. Filament tube, does not require filament to be hot before plate voltage is applied. This tube is a half wave rectifier. Rated at 5000 volts inverse peak at 300 M.A. Peak plate current, 15 volt drop through tube. **\$195**
V19130—Your Cost

RCA TRANSMITTING TUBES

TYPE 852



The standard 75 watt oscillator and power amplifier. The tube has a very low internal capacity between elements. While the base permits mounting in the standard UX socket, the plate lead is brought out through the side, and the grid lead from the top, thereby reducing interelectrode capacity. An ideal tube for 14 megacycle operation. Filament: 10 volts at 3.25 Amps. Normal plate voltage, 2000, maximum 3000 Volts. Maximum dissipation, 100 watts. **\$2380**
V19140—Your Cost Each

TYPE 210



7½ watt oscillator. Specially treated plate gives high plate dissipation. High voltage break-down. Low leakage. Ideal for crystal control oscillators. **\$426**
V19141—Your Cost Each

TYPE 841



Oscillator, Modulator and Power Amplifier. Fil. voltage: 7.5. Fil. current: 1.25 Amps. (Class B: 450 maximum—Class "C": 350-450 volts maximum.) Class "B" carrier, 100% modulated: 4 watts. Base: medium 4 prong pin. **\$735**
V19142—Your Cost

TYPE 865



Screen-Grid R.F. Power Amplifier and Oscillator. 7.5 watt four electrode tube, designed primarily for use as a power amplifier at R.F. Needs no neutralizing. Filament: 7½ volts at 2 Amps. Plate: 500 volts at .06 Amps. **\$1322**
V19143—Your Cost

TYPE 866

Mercury Vapor Half-wave Rectifier. Filament: 2.5 volts at 5 Amps. Max. peak inverse voltage: 5000 volts at .06 Amp. **\$62**
V19144—Your Cost

DE FOREST AND ARCTURUS TUBES

TYPE E-760 — 560



SCREEN-GRID 75 WATT R.F. AMPLIFIER. Filament: 10 Volts at 3.25 Amps. Plate voltage: 2000 normal, 3000 maximum. Plate current: .075 Amps. maximum. Normal screen volts: 500. **\$3500**
V19150—DeForest
Your Cost Each
\$3500
V19151—Arcturus
Your Cost Each

TYPE E-752 — 552

75 WATT OSCILLATOR AND R.F. AMPLIFIER. Filament volts: 10. Filament current: 3.25 Amps. Plate voltage: Normal 2000, maximum 3000. An ideal tube for 14 megacycle operation. **\$2300**
V19152—DeForest 552
Your Cost Each
\$2800
V19153—Arcturus E-752
Your Cost Each

Mercury Rectifiers

Type E-766—566

Filament Volts: 2.5. Filament current: 5 Amps. Maximum inverse peak volts: 7500. Maximum peak plate current: .06 Amp. Approximate tube voltage drop: 12 Volts. Standard UX Base. **\$400**
V19166—DeForest 566
Your Cost, Each
\$750
V19167—Arcturus E-766
Your Cost Each

Type E-772—572

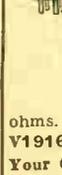
Filament volts: 5. Filament current: 10 Amps. Maximum inverse peak volts: 7500. Maximum peak plate current: 2.5 Amps. Approximate tube voltage drop: 10 volts. **\$1650**
V19168—DeForest 572
Your Cost
\$1650
V19169—Arcturus E-772
Your Cost Each

TYPE E-765 — 565



SCREEN-GRID OSCILLATOR AND R.F. AMPLIFIER. Filament volts: 7.5; Filament Amps: 2. Output: 7.5 watts. Plate volts: 500. Screen volts: 125. Maximum plate dissipation: 15 watts. **\$1500**
V19154—DeForest 565
Your Cost Each
\$1500
V19155—Arcturus
Your Cost

TYPE E-745 — 545



50 WATT MODULATOR AND A.F. AMPLIFIER. Filament volts: 10; filament current: 3.25 Amps. Plate volts: 1250. Plate current: 75 M.A. Plate impedance: 2100 ohms. **\$1500**
V19163—DeForest 545
Your Cost Each
\$3000
V19164—Arcturus E-745
Your Cost Each

TYPE 510



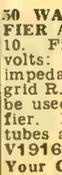
15 WATT OSCILLATOR AND R.F. AMPLIFIER. Extremely stable oscillator of 15 Watts output. Filament volts: 7½. Filament current: 1.25 Amps. Plate voltage: 500 at 60 M.A. Standard UX base, interchangeable with Type 210. **\$420**
V19165—DeForest 510
Your Cost Each

Type E-703-A — 503-A



50 WATT R.F. OSCILLATOR AND AMPLIFIER. Filament volts: 10. Filament current: 3.25 Amps. Plate volts: 1250. Plate current: 175 M.A. Plate impedance: 5000 ohms. **\$1500**
V19158—DeForest
Your Cost Each
\$2500
V19159—Arcturus
Your Cost Each

TYPE E711 and E711-E — 511



50 WATT OSCILLATOR POWER AMPLIFIER AND MODULATOR. Filament Volts: 10. Filament current: 3.25 Amps. Plate volts: 1250. Plate current: 72 M.A. Plate impedance: 3400 ohms. Type 711E has a grid R.F. choke built in the base and should be used only as an audio frequency amplifier. Ratings and characteristics of both tubes are the same. **\$1500**
V19160—DeForest 511
Your Cost Each
\$1500
V19161—Arcturus E711
V19162—Arcturus E711-E
Your Cost (either type)

TYPE E704-A — 504-A



250 WATT R.F. OSCILLATOR AND AMPLIFIER. Plate volts: 2000. Plate current: 200 M.A. Filament volts: 11. Filament current: 3.85. Negative grid bias: class "B" 100 volts; class "C" 175 volts. Standard 250 watt end mounting. **\$9750**
V19156—DeForest
Your Cost Each
\$9750
V19157—Arcturus
Your Cost Each

FREE

THIS HANDY
NEUTRALIZING
TOOL SENT
FREE
WITH EACH
ANALYZER
LISTED
IN THIS
CATALOG

New Readrite RADIO INSTRUMENTS

**No. 710
ANALYZER**

\$14.70



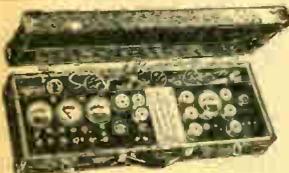
No. 710

This three meter tester is equipped with a practical selector switch for checking all parts of tube circuits by connecting to set sockets. Tests plate, grid, cathode, suppressor grid and screen grid quickly and accurately. Plate volts, line and power supply volts are also measured. The battery is used for continuity testing of transformers chokes, etc. Capacity and resistance charts are furnished, showing use of instrument for testing condensers and measuring resistances up to 100,000 ohms. The nine scale readings may be used separately with the jack terminals provided. Scale readings are: 0-20-60-300-600 D.C. volts, 0-10-140-700 A.C. Volts and 0-15-150 M.A. Contains new wiring with 6 hole socket. Tests new type tubes as well as old types. Strong leatherette covered case, size 10 3/4 x 3 1/2 x 8 inches. Removable cover
4K11070—List \$25.00
Your Cost

\$14.70

NEW READRITE

COMBINATION SETS



No. 406-710

Consists of No. 406 and No. 710 combined in a single leatherette covered case, size 21 x 14 x 7 1/2 inches. A handy instrument for analyzing set circuits and accurately testing tubes. Shpg. Wt., 14 Lbs. List \$50.00
4K11067—
Your Cost

\$29.40

No. 407-710

This combination provides combination Tube and Short Tester with Set Analyzer. Case same appearance and size as No. 406-710.
4K11068—List \$55.00
Your Cost

\$32.34

No. 576

Combines the No. 406 and 710 Testers as above with the No. 550 Oscillator described at the right. Tests tubes, set circuits and aligns tuning condensers. The Oscillator and Tube Tester are on one panel, with the Set Tester in a drawer underneath. Closing the case cover automatically locks the drawer in place. Case size, 22 3/4 x 6 1/2 x 8 1/2 inches high. Shpg. Wt., 22 lbs.
4K11066—List, \$85.00. Your Cost Each

\$49.98

No. 577

Same as No. 576 but with No. 407 Tube and Short Tester instead of the No. 406.
4K11066—List \$90.00. Your Cost

\$52.92

READRITE ADD-A-UNIT PLAN

Single Units may be had in the No. 577 carrying case, to which other units may be added later.
4K11072—Case Only. List, \$10.00. Your Cost

\$5.88

4K11073—No. 550 Oscillator with output meter. Your Cost

\$17.64

4K11074—No. 407 Tube Tester Your Cost

14.70

4K11075—No. 607 Tube Tester Your Cost

11.76

4K11076—No. 710 Set Tester Your Cost

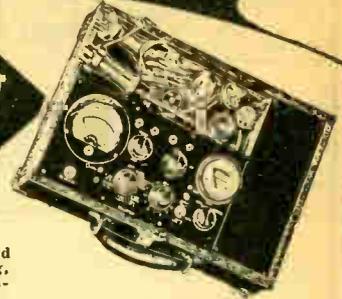
11.76

Note: These prices are for instruments less case

**No. 1000
ANALYZER**

\$32.34

No. 1000
A new Resistance, Continuity and Capacity Tester. For Set Analyzing, Testing Voltages, Milliamperes, Resistance and Capacity

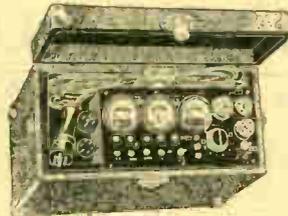


This new Tester combines the very latest method into one instrument for testing resistances, continuity, and capacity of radio receiving sets without removing chassis from cabinet. Has 3 1/2-inch PRECISION D.C. meter 0-1 M.A., with lower scale reading 0-30-300-500 D.C. volts in 60 divisions. Upper scale reads ohms and megohms (0-500, 0-50,000 ohms, 0-3 megohms) The A.C. meter is calibrated for reading directly in microfarads; also for testing line voltage. Lower scale reading .008 to .25 and upper scale 1 to 10 mfd. Rheostat regulates correct voltage to be applied. Battery compartment for resistance testing contains two 22 1/2 volt batteries and one small flashlight cell. Operation of tester is extremely simple. Designed to make a complete analysis of set circuit from set socket, including resistance, continuities, capacities and short circuits. With sets as they are designed today, testing socket voltages is not enough to determine and locate set troubles. Two plug-in cables and separate cords are provided for testing through the set socket of resistance voltage dividers, series resistors, transformer primaries and secondaries, filter chokes, speaker fields, capacities of paper and mica condensers of different tube circuits. Jacks are provided for individual tests separate from plug connections for all of the above, and in addition 0-30-300 milliamperes. With this outfit set troubles are located quickly and easily. Case is strong and covered with fabricoid. Removable cover. Battery compartment has separate panel.

4K11071—List Price \$55.00. Your Cost Each

\$32.34

No. 610



This tester contains the same equipment as the No. 710. The case is larger and is equipped with lock. Has space 6 1/4 x 13 3/4 x 4 1/2 inches deep for carrying tubes, tools, etc. Test equipment and panel is removable and may be used as a complete test panel for shop use. Case size, 14 1/2 x 7 x 7 1/2 inches.

4K11069—List \$30.00.

Your Cost Each

\$17.64

106-107 Tube Testers

Equipped with six prong socket for testing new type tubes. Tests all tubes without adapters. Connects to A.C. supply line. Has illuminated dial. Ideal for Dealer's counter use. Easy to operate. A separate button provides for testing both plates of 80 tubes. Meter protected by fuse. A push button provides two plate readings for determining the conductance and worth of a tube. Size 10 3/4 x 7 x 4 1/4 inches. 60 cycle A.C.



4K11057—Model 406. List \$25.00.

Your Cost

\$14.70

MODEL 407: Same as Model 406 except that it also provides a complete short test for tubes. All shorts, gas, and leakage tests are made with tube heated under operating conditions. Same socket is used for tube worth and short tests. For 60 cycle A.C.

4K11059—Model 407

List \$30.00. Your Cost

\$17.64

Models 106 and 407 for 25 cycle A.C. at \$1.47 additional.

**TEST OSCILLATOR
No. 550**



A completely shielded, self modulated Oscillator. Covers entire broadcast and intermediate bands. Tuning dial direct reading for 120-185 and 550-1500 k.c. Sharp second and third harmonics cover intermediates. Test lead wires and break-in adapter are supplied when equipped with output meter. Direct reading dial has large swing and widely spaced scale divisions. Rotating switch has position for Broadcast and Intermediates. Attenuator control tube and battery compartments separately shielded. Calibration controlled by trimmer. Oscillation carefully calibrated at factory. Very compact and strong. Size, 6x12x5 ins. Licensed under A.T.&T. patents.

4K11029—Less Panel Output Meter. List, \$30.00. **\$17.64**
Your Cost

4K11030—Complete with Panel Output Meter. List, \$35.00. **\$20.58**
Your Cost

DIAGNOMETER AAAI

Analyzer Tube Tester Shielded Oscillator Ohmmeter Megommeter and Capacity Tester



THE COMPLETE RADIO LABORATORY

\$144.55

Tests 4, 5, 6 & 7 Prong Tubes—Without Use of Adapters

Analyzer circuit consists of a universal A.C.-D.C. multimeter of the copper oxide rectifier type with a tandem selector switch and a D.C. milliammeter which is always connected in the plate circuit. This provides readings of circuits and tubes under analysis without manipulation of switches. Provision is made for testing old style battery sets as well as the newest A.C. sets. Tube Checker circuit includes five tube testing sockets with necessary switches for testing all types of tubes including pentode and variable mu. Another valuable feature of the Diagnometer is the completely shielded and attenuated Oscillator which is designed for tuning over a range of approximately 90 to 1500 kilocycles. Frequencies higher than 1500 K.C. can be calibrated when desired by means of harmonics. Suitable for all r.f. and i.f. adjustments. For resistance measurements the Diagnometer is equipped to determine resistances up to 500,000 ohms and 0.5 megohms. A Capacitor Tester for testing condensers from approximately .002 to 10 mfd. is also provided.

YOU NEED THE AAAI DIAGNOMETER
Nothing else is needed for the modern service department and when you go out on a service call your complete service department goes with you in one compact instrument. All necessary accessories are included for use with the Diagnometer, including analyzer plug, cable, power supply plug and an 85 page booklet of radio data. Hardwood carrying case 6"x11 1/2"x18 3/8" ins. 2K10950— **\$144.55**
Your Cost, Each.....



Dayrad Oscillator

For all Intermediate Frequency alignments between 170-185-KC, 187-133KC, 254-266KC. Powerful harmonics are developed for rapid and accurate alignment of stages in broadcast band (550-1500 KC). A self modulated radio frequency oscillator which generates signals in the IF bands. Harmonics of these signals are utilized when the oscillator is used to align RF stages in the broadcast band. Provided with a variable output control for governing the amount of RF energy to be supplied to the receiver. Shielded dummy antenna and input adapter are supplied with the instrument. Case of cast aluminum. Requires one No. 2Y19962 (or Burgess 5156) Eveready B battery, two No. 2 flashlight cells and one type 30 tube for operation. 2K10900—Dayrad Type 175 Test Oscillator. Less tubes and batteries. **\$19.35**
Your Cost, Each.....

NEW SUPREME

Model 56
\$56.25



Designed to fill the need for a complete simple and compact instrument at a low price, yet in keeping with Supreme Quality. Will accommodate all standard 4 pin, 5 pin, 6 pin and 7 pin tubes and associated radio circuits, and is provided with facilities for accurately and directly indicating resistance values up to 500,000 ohms. Has many unique features contributing to its accuracy, simplicity and speed of operation. The Model 56 enables at a radio tube socket, the terminals of sockets located in the circuit which normally terminate at the corresponding terminals of sockets located in the Analyzer panel, with facilities for measuring of various circuit resistances, potentials, and currents of various circuits. The basic elements include (1) a snap-catch analyzing plug connected with (2) cabled conductors to the terminals of (3) sockets necessary terminals for the Analyzer panel, with (4) necessary terminals for connecting the cabled circuits for test of engagement and current. The analyzing plug used has a standard 7-pin base, with a snap-catch which are a standard 7-pin base, or 4-pin adapters which are required with all new radio socket type is used. Six universal meter of the copper-oxide measuring ranges, alternating and direct current measuring ranges, 0/3, 0/3, 0/9, 0/30, 0/90, 0/300, and 0/900 volts and five alternating and direct current milliamperes. Three ranges, 0/9, 0/30, 0/90, and 0/300 are also provided for external d.c. 0/3, 0/32, 0/320 are also provided for external d.c. potential measurements, with a sensitivity of 2,500 ohms per volt. With ordinary 60 cycle power supply capacity measurements may be made between .002 and 7 mfd. **\$56.25**
4K10952—Dealer's Cost, Each



Readrite Capacity Tester No. 850

A new instrument for testing Electrolytic and Paper Type Condensers. Has two meters: an A.C. meter calibrated in microfarads—double scale 0.03 to 10 mfd. and an A.C. meter which connects to 60 cycle A.C. supply line and is adjusted to 100 volts. Leaky and faulty Electrolytic Condensers are easily tested with this instrument. Tip jacks provide for test leads when testing condensers independent of receiving set. Seamless metal case. A very convenient and practical instrument. Instructions supplied. 4K11031—Without Cover List, \$15.00. **\$8.82**
Your Cost

4K11032—With Cover List, \$17.00. **\$10.00**
Your Cost

**DAYRAD TYPE 320
Portable Tube Tester**

Improved Model—Tests All Tubes
The 320 is a sturdy, portable tube checker, complete provisions for standard types of tubes, including 46, 55, 56, 57, 58, 82, and 83. Genuine bakelite panel. D'Arsonval type milliammeter. It is not necessary to remove tube and re-insert it in a separate socket in order to complete the test. Type 320 is provided with complete facilities for testing both plates of '30 and '32 rectifiers. Test is also provided for the triode portion of the new duplex Diode-Trigode tubes (55 and 85). Meter dial is figured in 0-50 arbitrary units. This instrument is equipped with an input voltage switch and is installed in a hand-finished oak carrying case with leather handle and removable hinged lid. 4K10903—For 115 volts, 60 cycle **\$27.95**
Your Cost, Each

4K10904—For 115 volts, 25 cycle **\$28.95**
Your Cost



**Rectifier Type—A.C.-D.C.
Volts—Milliamperes**

Designed for the serviceman who desires to build a multi-range instrument to fill his particular testing requirements. It is for use with external shunts and external resistances for measuring D.C. voltages and current and A.C. voltages. This instrument is of the permanent magnet moving coil type with a self-contained copper oxide-rectifier for the A.C. measurements. It is self-contained for 5 volts and 1 milliamper A.C. and 50 millivolts and 1 milliamper D.C. It has a double scale—one for A.C. and the other for D.C., each calibrated 0-5 volts. Non-inductive chaperon wound wire. Accurate within 1/2 of 1%. Insulation tested. Temperature co-efficient negligible. **\$13.97**
4J10774—List, \$19.00. Your Cost.....



WESTON MODEL 301

WESTON and JEWEL RADIO INSTRUMENTS

MODEL 571 OUTPUT METER



Measures Voltage Output and computes Power Output of radio sets, determines maximum gain when lining up R.F. and I.F. stages of radio sets. Compares the gain of radio tubes, determines gain when a calibrated input voltage is applied to radio set or audio amplifier. Measures comparative selectivity of R.F. tuners. Used to observe period and percentage of fading and to keep volume of sound projection equipment at an approximate constant value; and to determine the amount of hum. Consists of a five range copper oxide rectifier type voltmeter enclosed in a sturdy Bakelite case with ranges of 150, 60, 15, 5 and 1.5 volts. A non-inductive impedance of 4000 ohms for all ranges. Size of case, 5 1/2 x 3 3/4 x 2 1/2 inches; (fits in specially provided compartment in above oscillator). Shpg. Wt., 2 Lbs.
4J10553—Weston Output Meter Model 571.
 List Price, \$30.00. **Your Cost Each..... \$22.05**

Weston 660 Set Analyzer

The Model 660 Radio Set Analyzer completely tests every type of radio receiver including the new six-prong tube type. All readings, both A.C. and D.C. are made from a single meter. A single combination socket for 4, 5 and 6 prong types. Impossible to use incorrectly and yet will take any of the tubes with a minimum of difficulty.



A self-contained 3-cell battery for making continuity tests and resistance measurements is held in a clip and is readily renewed by removing a shunt rheostat adjustment to compensate for variations in the voltage of this battery. A large 24-position rotary switch serves to select both the range of the meter and the circuits from which the tests are made. Three of the positions are made, which can be connected to care for future set designs. The meter re-heater is brought to either cathode or which doubles the utility of the rotary switch and simplifies the operation of the analyzer—A knob switches the instrument from A.C. to D.C. through an OFF position. It also introduces proper compensating resistances so that results are correct for both A.C. and D.C. readings. Two push-buttons control the or normal grid by 4.5 volts to get a cepted type of tube check in analyzers of this sort.

A new combination of 4, 5, and 6 prong socket. Impossible to use in- the cord carries 6 prongs and 4 and 5 prong latch-on adapters are supplied. External pin jacks, moulded directly into the panel. Space is provided for additional pin jacks if required. This one-meter analyzer is a distinct advance in engineering design and its great flexibility will give the utmost satisfaction to the serviceman. Carrying case is fabricated covered ply wood, light in weight, and extremely durable. Dimensions: 9x8 1/2 x 4 1/4 Ins. Test leads with prods, grid lead, two adapters, and complete instruction book, to- cluded. Shpg. Wt., 10 Lbs.
4J10566—List, \$75.00. **Your Cost Each..... \$55.00**



MODEL 590 I.F. & R.F. Oscillator

Range: 110 to 1500 K.C.

A New Weston Instrument for Aligning I.F. Stages, Aligning of Gang Condensers, Determining Sensitivity of Receivers, Checking R.F. Transformers and Condensers, Making Selectivity Tests and Checking the Oscillator Stage of Radio Receivers.

A very complete and practical Signal Generator. Has Intermediate Frequency Range of approximately 110 to 200 KC and a Broadcast Range of 500-1500 KC. Frequencies between 200 and 550, and above 1500 KC obtained by means of harmonics. Has instrument mounted on top of panel which serves as Grid Dip milliammeter, Filament Voltmeter and Plate Voltmeter. Connected across plate and Filament circuits by means of push-button switch. Two type 30 tubes are used in the Oscillator to produce an audible note of 400 cycles with 30% modulation. Oscillator output controlled by a special attenuator. Has connection through an adjustable coupling condenser which allows the

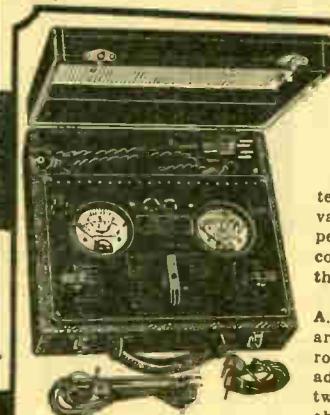
Grid Dip meter to be used for determining the resonance point of any coil and condenser circuit within range of the oscillator. Batteries for operating oscillator contained in a shielded compartment in end of case. Batteries will give over 20 hours of continuous service. An output meter is a necessary accessory for this instrument and a compartment has been provided in the case for a Weston Model 571 (fully described below). Dimensions, 16 1/2 x 6 7/8 x 5 3/4 inches. Shpg. Wt., 15 Lbs.

4J10552—Weston 590 Oscillator. Less Tubes, Batteries and output meter.
 List, \$105.00 **Your Cost Each..... \$77.18**



MODEL 564 VOLT-OHMMETER

A compact voltage, resistance and continuity tester. Ranges of 600-300-30-3 volts; (1,000 ohms per volt) and 10,000-100,000 ohms. Self-contained "C" battery. Battery voltage compensator. All ranges are brought out to finding posts. Two toggle switches are provided, one serving to connect voltmeter or ohmmeter, and the other to select the ohmmeter range. Size, 5 1/2 x 3 3/4 x 2 1/2 Ins. Shpg. Wt., 3 lbs.
4J10554—List, \$37.50. **Your Cost..... \$27.50**



Jewell 444 Set Analyzer

Pattern 444 is a 2-meter analyzer for every type radio receiver and for testing full wave rectifier, variable-Mu, output pentode, pentodes having a direct connected fifth element, and the new six prong tube types.

A.C. and D.C. circuit tests are controlled by separate rotary selector switches. In addition to set socket tests, twenty-four ranges are available at pin jacks—for external testing. Among these are three output meter

ranges and three resistance ranges. The instrument ranges are: A.C. Meter—0-4-8 amperes, 0-20-100 M.A. and 0-4-8-160-800 volts; D.C. Meter—0-12-60-120 M.A., 0-6-12-30-60-120-300-600 volts, 0-1,000-10,000-100,000 ohms and low-medium-high output ranges.

Accessories supplied: Test leads with insulated prods and molded pin-plugs, test leads with clips for speaker voice coil leads and molded pin-plugs, line plug and cord with molded pin-plugs and an adapter for output measurements at tube socket, instruction book. Dimensions: 12 3/4 x 12 x 4 1/4 inches. Approximate weight, 10 Lbs.
4J10259—List Price, \$112.00 **Your Cost Each..... \$82.00**



MODEL 563 D.C. CIRCUIT TESTER

An instrument for checking resistance values and continuity of circuits. Has many uses; checking: Transmitting and receiving sets, alarms, appliances, oil burners, etc. Compact and completely self-contained. Consists of a model 301, 3 1/4-inch meter, having two resistance ranges—5,000 and 50,000 ohms—mounted in a black Bakelite case with a Bakelite panel. Has a toggle switch for range selection and leather strap carrying handle. 50 inch test leads included. Voltage adjuster to compensate for change in potential of the self-contained battery. Dimensions: 3 3/4 x 7 1/6 x 2 1/4 Ins. Shpg. Wt., 3 pounds.

4J10555—Weston 563 Circuit Tester.
 List Price, \$21.00. **Your Cost Each..... \$15.44**



JEWEL TEST OSCILLATOR Pattern 563

This instrument combines every Oscillator feature necessary for servicing modern radio receivers and Jewel dependability at a very low price. Output adjustable to any frequency in the broadcast band from 550 to 1500 KC and in the two intermediate bands of 125 to 185 KC and 175 to 450 KC. Operates from self-contained batteries, carried in the case. Output continuously variable from zero to maximum. A separate high output is provided for neutralizing. Single control adjusts output frequency. Three position switch allows instant change to any of the three frequency bands. Calibration curve for each wave band carried in cover. Filament rheostat and tapped "A" battery provides proper filament voltage at all times. Trimmer adjustment permits spotting at any much used intermediate frequency at a convenient point on the dial. Handsomely finished metal carrying case with space left for Jewel pattern 559 Output Meter. **4J10251—Jewel 563 Test Oscillator completely equipped with shielded output lead, calibration curve, instruction chart, type '30 tube and all necessary batteries. Less Output Meter. \$34.92**
List Price \$47.50. Your Cost Each.....

JEWEL 559 OUTPUT METER

Allows the relative output of a receiver to be determined visually. Consists of a Jewel 2 1/2 inch D.C. instrument in a full wave copper-oxide rectifier circuit, housed in a molded Bakelite case equipped with a non-shatterable glass scale cover. Furnished complete with long test leads and an adapter. Shpg. Wt., 3 lbs. **4J10252—Jewel pattern 559 Output Meter. \$14.70**
List Price \$20.00. Your Cost

JEWEL OHMMETER Pattern 89



These instruments are mounted in cases of molded Bakelite with suitable terminals. A 1 1/2 volt cell, mounted in the case makes it independent of outside sources of energy, a magnetic shunt provides convenient adjustment to compensate for variations in cell voltage. Very accurate. Shpg. Wt., 3 lbs. **4J10255—0-1000 ohms. List, \$16.50. \$12.13**
Your Cost.....
2J10256—0-3000 ohms. \$12.13
Your Cost, Each.....
4J10257—0-30,000 ohms. \$12.13
Your Cost, Each.....

"Taurex" Copper Oxide Rectifier for D.C. Meter Conversion

The experimenter who is confronted with the necessity of making measurements of small alternating current values, can do so by equipping his Milliammeter with the Taurex Rectifier. Equipped with a D.C. Milliammeter, a few multiplier resistances and shunts, he is able to make all measurements necessary in an A.C. circuit with a high degree of accuracy. The Rectifier has four wire terminals, of these the two short ones are the A.C. input, the long leads are the D.C. output, to be connected to the meter binding posts. Lead attached to center plate of rectifier is "negative." Full instructions furnished. Size, 1 1/2 x 3/4 ins. Shpg. Wt., 1 lb. **\$2.95**
4J10811—Your Cost, Each.....



"LITTLEFUSES"

For Radio Receivers, Precision Instruments and High Voltage Work



INSTRUMENT "LITTLEFUSES"

Designed for protection of galvanometers, microammeters, milliammeters, radio tube testers, radio "B" circuits. Glass enclosed; 1x.250 in. diam.

250 Volt Type		
Stock No.	Amps.	Your Cost
L12355	1/100	\$.12
L12356	1/32	.12
L12357	1/16	.12
L12358	1/8	.09
L12359	1/4	.09
L12360	3/8	.09
L12361	1/2	.09
L12362	3/4	.09
L12363	1	.06
L12364	2	.06

FOR POWER AMPLIFIERS 500 Volt Type "Special"

Glass enclosed; 1 1/4 x 3/4 in. diam.

5000 Volt Type 5x1 1/2 in.		
Stock No.	Amps.	Your Cost
L12369	1/8	\$.09
L12370	1/4	.09
L12371	1/2	.09
L12372	3/4	.09

HIGH VOLTAGE "LITTLEFUSES"

1000 Volt Type 3x1 1/2 in.

1000 Volt Type 3x1 1/2 in.		
Stock No.	Amps.	Your Cost
L12328	1/16	\$.24
L12329	1/8	.21
L12330	1/4	.21
L12331	3/8	.21
L12332	1/2	.21
L12333	3/4	.24
L12334	1	.24
L12335	1 1/2	.24
L12336	2	.24

RADIO RECEIVERS

250 Volt Type
For use in the 110 volt primary line of the power supply. Glass enclosed; 1 1/4 x 3/4 in. diam.

Stock No.	Amps.	Your Cost
L12365	1	\$.06
L12366	1 1/2	.06
L12367	2	.06
L12368	3	.06

Porcelain Mtg. Block and Clips:
For 1000 V. Type.....95c Extra
For 5000 V. Type.....85c
Clips Only: For 10,000 V. Type.. 8c Each

SUPREME Model 40 TUBE TESTER

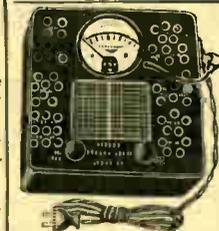
Tests All Type Tubes, Including 6 and 7 Prong, Without Adapters

A Tube Tester of improved design equal to instruments selling for double its modest price. Tests all tubes without adapters, including power and r.f. pentodes, 6 and 7 prong tubes and provides for filament or heater potentials of 1.5, 2.0, 2.5, 3.3, 5.0, 6.3 and 7.5 volts to any of the five sockets on the panel—a very flexible arrangement. A "grid shift" test of all amplifiers is provided with a biasing arrangement automatically determined by the plate current load of the tube under test, so that the controlling grid biasing potential may be observed on the meter. Incorporates a gas test for amplifiers, a cathode-heater short test for heater types, and test both plates of full wave rectifiers. A large 3 1/2 in. D'Arsonval type meter in a full bakelite case is employed, using two scales, 80/8/0 milliamperes, both accurately calibrated. A screw type, removable glass is used, readily replaceable in case of damage. Everything that could be desired in a high class, efficient tube tester—and at a price that fits the pocketbook. **4K10953—"Not Portable." Your Cost, Each..... \$29.40**
4K10954—Portable Type (illustrated). \$32.34
Your Cost, Each.....



JEWEL TUBE CHECKER Pattern 675

Tests All Type of Tubes, Including 6 Prong Type, WITHOUT ADAPTERS



The large number of tubes now in use has necessitated a radical change in socket design. 16 sockets are provided on the Pattern 675 by the use of an ingenious arrangement wherein these 16 sockets occupy a very small space. Provides all of the necessary connections to take care of present types of tubes without the use of adapters. Operates directly from any 115 volt 60 cycle A.C. line and is equipped with a Pattern 88, 0-10-50 milli-ammeter as an indicator. This two range instrument permits very satisfactory readings on all types of tubes. A self-contained transformer provides the proper voltages for all testing purposes. Complete operating instructions etched on rear cover plate. Tube limits are located on an etched plate on front of tube checker. The lowest priced quality checker available. Size, 5 1/2 x 6 1/2 x 2 3/4 ins. Shpg. Wt., 6 lbs. **\$25.75**
4J10254—List, \$35.00. Your Cost, Each.....

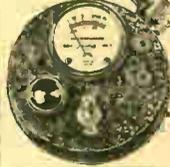
READRITE RESONANCE TUNING METERS

High resistance type milliammeters used in the plate current in sets for visual tuning. The circuit is brought to resonance when the needle swings to its furthest position. Generally supplied 0-5, 0-7, 0-10, 0-15 M.A. full scale deflection. Specify range when ordering. Cable leads, attachment studs and nuts supplied. **K11150—103—Illumination from the flat side of the case over top of dial. \$88c**
K11151—106—The light coming thru the case opening in the bottom edge or rear casts a shadow from the meter needle on the dial and is clearly visible thru the translucent dial. No needle shows when pilot lamp is not lighted. Light tan finish. \$88c
K11152—108—Edgewise, has same characteristics as 106—but with dial on flat edge of case. (Illustrated above). \$88c
List, \$1.50. Your Cost, Any Type.....
Escutcheon as illustrated above. **\$15c**
K11153—List, 30c. Your Cost, Each.....



Readrite Capacity Meter

No. 800. For testing paper type condensers only. The A.C. meter reads directly in microfarads, .008 to 10. Contains rheostat, switch, test leads, and plug for A.C. 60 cycle connection. In a seamless metal case 4 1/2 inches in diameter, baked enamel finish. Full instructions and charts are furnished for testing from 10 to 400 henrys, and resistances of from 40 to 100,000 ohms. Shpg. Wt., 3 lbs. **\$4.70**
4K11022—List, \$8.00. Your Cost.....



Readrite Direct Reading Ohmmeter

Models 500 and 502
Mounted in seamless steel cases 4 ins. in diameter. Model 500 provides direct readings of ohmages up to 10,000 and D.C. volts up to 4.5. Model 502 furnishes readings to 10,000 ohms on one scale and up to 40 ohms on second scale, for voice coils and shorted turns of IF transformers. Both are complete with a small 3 cell flashlight battery and leads. Shpg. Wt., 2 lbs. **\$3.53**
4K11020—Model 500. \$3.53
List, \$6.00. Your Cost.....
4K11005—Model 502. \$4.12
List, \$7.00. Your Cost.....



Readrite Resistance Meter

No. 501. The same meter as that used in the above instrument. Has flange for panel mounting. A thoroughly reliable instrument at a popular price. Requires 3 small flashlight cells, which with resistance to be measured are connected in series with meter. Used for testing resistance in radio sets and circuits generally. Pine for continuity tests. Extreme diameter, 2 1/4 ins. Shpg. Wt., 1 lb. **\$1.47**
K11006—List, \$2.50. Your Cost, Each.....



WESTON TWO INCH METERS

A miniature line of Narrow Flange Flush Type Panel Instruments with characteristics similar to the 3/8 inch line shown on preceding page—Made for clamp mounting. Shpg. Wt. 2 Lbs.

MODEL 506 D. C. VOLTMETERS

Stock No.	Volts	List.	Net.
2J10786	3	\$7.00	\$4.48
2J10796	5	7.00	4.46
2J10797	7	7.00	4.46
2J10798	8	7.00	4.46
2J10799	10	7.00	4.46
2J10800	15	7.00	4.46
2J10801	50	7.00	4.46
2J10802	100	7.00	4.46
2J10803	150	7.00	4.46
2J10804	200	7.00	4.46
2J10805*	140/7	9.00	5.74
2J10807*	200/8	9.00	5.74
2J10808†	50/10	8.25	5.25
2J10809†	140/7	8.25	5.25
2J10810†	150/7.5	8.25	5.25
2J10811	200/8	8.25	5.25

*Have three binding posts and push button for use when "A" battery is connected to "B" batt.

†Have four binding posts, no push button. All single and double range voltmeters below 200 volts have a resistance of 125 ohms per volt; 200 volts, 200 ohms per volt. All accurate within 2%.

MODEL 506 D. C. AMMETERS

Stock No.	Amps.	List	Net.
2J10812	1	\$7.00	\$4.46
2J10813	1.5	7.00	4.48
2J10814	3	7.00	4.46
2J10815	5	7.00	4.46
2J10816	10	7.00	4.48

MODEL 506 D. C. MILLIAMMETERS

Stock No.	M. A.	List	Net
2J10817	1	\$9.00	\$5.74
2J10818	1.5	9.00	5.74
2J10819	2	9.00	5.74
2J10820	3	7.00	4.46
2J10821	5	7.00	4.46
2J10821	10	7.00	4.46
2J10822	15	4.46	4.46
2J10823	25	7.00	4.46
2J10824	50	7.00	4.46
2J10826	100	7.00	4.46
2J10826	150	7.00	4.46
2J10827	200	7.00	4.46
2J10828	300	7.00	4.48
2J10829	500	7.00	4.46

MODEL 506 VOLT-OHMMMETER

Stock No.	V. Ohms	List	Net
2J10830	3 10,000	\$7.00	\$4.48



MODEL 507 A. C.—D. C. AMMETERS

THERMO-COUPLE TYPE

May be used on A.C. or D.C. of any frequency including radio frequency. Accuracy within 2%.

Stock No.	Amps.	List	Net
2J10831	1	\$12.50	\$9.19
2J10832	1.5	12.50	9.19
2J10833	2	12.50	9.19
2J10834	3	12.50	9.19
2J10835	5	12.50	9.19
2J10836	10	12.50	9.19
2J10837	15	12.50	9.19

MODEL 507 MILLIAMMETERS

Thermo-couple Type. All frequencies including Radio frequency. Can not be used on direct current.

Stock No.	M. A.	List	Net
2J10838	120	\$14.00	\$10.29
2J10839	250	14.00	10.29
2J10840	500	14.00	10.29

MODEL 507 GALVANOMETER

Mounting for horizontal or not more than 45° position. Thermo-couple Type. All frequencies including radio frequency.

Stock No.	M. A.	List	Net
2J10841	115	\$14.00	\$10.29

MODEL 517 A. C. VOLTMETERS

Moveable iron type for A.C. only. Accuracy within 2%.

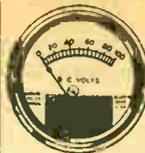
Stock No.	Volts	List	Net
2J10842	1.5	\$8.00	\$5.88
2J10843	2	8.00	5.88
2J10844	3	8.00	5.88
2J10845	5	8.00	5.88
2J10846	10	8.00	5.88
2J10847	15	8.00	5.88
2J10848	25	8.00	5.88
2J10849	50	8.00	5.88
2J10850	100	10.00	7.35
2J10851	150	10.00	7.35
2J10852	250	12.00	8.82
2J10853	300	12.00	8.82

MODEL 517 A. C. AMMETERS

Stock No.	Amps.	List	Net
2J10854	1	\$9.00	\$5.88
2J10855	2	8.00	5.88
2J10856	3	8.00	5.88
2J10857	5	8.00	5.88

MODEL 517 A. C. MILLIAMMETERS

Stock No.	M. A.	List	Net
2J10858	15	\$8.00	\$5.88
2J10859	25	8.00	5.88
2J10860	50	8.00	5.88
2J10861	100	8.00	5.88
2J10862	250	8.00	5.88
2J10863	500	8.00	5.88



READRITE METERS

A sturdy and reliable line of inexpensive Testing Instruments that is very popular with the Serviceman. Well made and attractively finished. Panel mounting type. Wide black enameled flanges, nickel plated bezels. White dials. Panel opening 2 5/8 in. Shpg. Wt., 1 pound.

Panel Type D. C. Voltmeters

Stock No.	Range	Ohms	Your Cost
2K11061	0-1	-30	\$.58
2K11062	0-3	175	.58
2K11063	0-5	410	.58
2K11064	0-6	550	.58
2K11065	0-8	850	.58
2K11066	0-10	1475	.58
2K11067	0-15	2914	.58
2K11068	3-0-3	550	.58
2K11069	0-25	1625	.58
2K11080	0-25	7720	1.47
2K11061	0-50	3250	.58
2K11062	0-50	15400	1.76
2K11063	0-100	6500	.73
2K11064	0-100	30888	1.76
2K11065	0-150	9750	.98
2K11066	0-150	46320	1.76
2K11067	0-300	92640	1.76
2K11068	0-500	154400	2.35
2K11069	0-600	92640	2.53
2K11070	0-750	231600	2.94
2K11071	0-8-160	850/16220	1.18

Panel Type D. C. Ammeters

Stock No.	Amps.	List	Net
2K11081	0-1	\$1.00	\$.58
2K11092	0-1	1.00	.58
2K11093	0-5	1.00	.58
2K11094	0-10	1.00	.58
2K11095	1-0-1	1.00	.58
2K11096	3-0-3	1.00	.58
2K11097	5-0-5	1.00	.58
2K11098	10-0-10	1.00	.58
2K11099	20-0-20	1.00	.58

Panel Type A. C. Voltmeters

Stock No.	Volts	List	Net
2K11072	0-4	\$2.50	\$1.47
2K11073	0-6	2.50	1.47
2K11074	0-10	2.50	1.47
2K11075	0-15	2.50	1.47
2K11076	0-150	4.00	2.35
2K11077	0-300	5.00	2.94
2K11078	0-600	6.00	3.53
2K11080	0-750	7.00	4.12
2K11080	0-10-140	4.00	2.35

Panel Type A. C. Ammeters

Stock No.	Amps.	List	Net
2K11081	0-1	\$2.50	\$1.47
2K11082	0-3	2.50	1.47
2K11083	0-5	2.50	1.47
2K11084	0-10	2.50	1.47
2K11085	0-50	3.00	1.76

Panel Type A. C. Milliammeters

Stock No.	M. A.	List	Net
2K11086	0-25	\$2.50	\$1.47
2K11087	0-50	2.50	1.47
2K11088	0-100	2.50	1.47
2K11089	0-250	2.50	1.47
2K11080	0-500	2.50	1.47



READRITE POCKET METERS

Handy pocket meters for testing batteries. Carefully calibrated. Surprisingly accurate. Polarized vane type. Individually boxed. Shpg. Wt. 1 lb.

AMMETER. Scale 0-40. Used for testing dry cells. List \$5.00

2K11111—Your Cost Each... **44¢**

Voltmeters

0-8 SCALE. For testing "A" batteries, dry or storage. List \$1.00

2K11112—Your Cost Each... **58¢**

0-10 SCALE. For testing "A" batteries, dry or storage. List \$1.00

2K11113—Your Cost Each... **58¢**

0-15 SCALE. For testing "A" batteries, dry or storage. List \$1.00

2K11114—Your Cost Each... **58¢**

0-30 SCALE. For testing "B" batteries. List \$1.00

2K11115—Your Cost Each... **58¢**

0-100 SCALE. For testing "B" batteries. List \$1.25

2K11116—Your Cost Each... **73¢**

0-150 SCALE. For testing "B" batteries. List \$1.50

2K11117—Your Cost Each... **88¢**

0-8. 0-150 SCALE. For testing "A" and "B" batteries. List \$1.75

2K11118—Your Cost Each... **1.03**

0-8. 0-150 SCALE. For testing "A" and "B" batteries. List \$2.00

2K11119—Your Cost Each... **1.17**

Voltammeters

0-8 VOLTS, 0-40 AMPS. For testings amperage of dry cell "A" batteries and voltage of "B" batteries. List price \$1.25

2K11120—Your Cost Each... **73¢**

0-50 VOLTS 0-40 AMPS. For testing amperage of dry cell "A" batteries and voltage of "B" batteries. List \$1.50

2K11121—List \$1.50

Your Cost Each... **88¢**

READRITE PORTABLE TYPE METERS

Readrite portable meters are made of the repulsion type and may be used with accuracy for either A.C. or D.C. testing. Not to be confused with the ordinary vane type with its restricted application. The higher reading A.C. voltmeters have over 100 ohms per volt resistance. The D.C. voltmeters are of the polarized vane solenoid type and contain resistance up to 300 ohms per volt.

D. C. Voltmeters

(300 ohms per volt, 3 inch case)

Stock No.	Volts	List	Net
2K11122	0-300	\$4.50	\$2.66
2K11123	0-500	4.50	2.66
2K11124	0-60/300	4.50	2.66
2K11125	0-750	6.00	3.53

D. C. Milliammeters

Stock No.	M. A.	List	Net
2K11126	0-25	\$3.00	\$1.76
2K11127	0-100	3.00	1.76
2K11128	0-200	3.00	1.76
2K11129	0-400	3.00	1.76

D. C. Ammeters

Stock No.	Amps.	List	Net
2K11130	0-1	\$3.00	\$1.76
2K11131	0-5	3.00	1.76
2K11132	0-10	3.00	1.76
2K11133	0-50	3.00	1.76

A. C. Voltmeters

(100 ohms per volt)

Stock No.	Volts	List	Net
2K11134	0-150	\$4.00	\$2.35
2K11135	0-300	5.00	2.94
2K11136	0-600	6.00	3.53
2K11137	0-150/750	8.00	4.70

A. C. Milliammeters

Stock No.	M. A.	List	Net
2K11138	0-25	\$3.00	\$1.76
2K11139	0-50	3.00	1.76
2K11140	0-100	3.00	1.76
2K11141	0-250	3.00	1.76
2K11142	0-500	3.00	1.76

A. C. Ammeters

Stock No.	Amps.	List	Net
2K11143	0-1	\$3.00	\$1.76
2K11144	0-3	3.00	1.76
2K11145	0-5	3.00	1.76
2K11146	0-10	3.00	1.76
2K11447	0-50	3.50	2.06



WESTON MINIATURE PORTABLE INSTRUMENTS

Small compact instruments of sterling quality and dependability for accuracy. D.C. Meters have black Bakelite cases and A.C. Meters have mottled red and black Bakelite cases. Scales are silver gray etched with black Bakelite cases. Meters are furnished with a pair of 30-inch flexible cables. Shipping weight, 3 pounds.

D. C. INSTRUMENTS

Voltmeters

125 Ohms per Volt

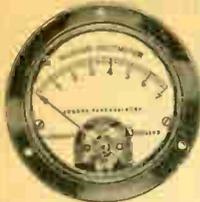
Stock No.	Volts	List	Net
2J10885	150/7.5	\$13.50	\$9.92
2J10888	200/8	13.50	9.92

Voltmeters

1000 Ohms per Volt

Stock No.	Volts	List	Net
2J10867	200/8		

WESTON 3 1/4 INCH METERS



D. C. INSTRUMENTS—Model 301

Permanent magnet moving coil type. Accurate within 2%. They are supplied as Voltmeters, Volt-ammeters, Ammeters, Milliammeters and Microammeters. Weight approximately 8 ounces.

Ommeters, Ammeters, Milliammeters and Microammeters. Weight approximately 8 ounces.

A. C. INSTRUMENTS—MODEL 301 RECTIFIER TYPE. Extremely high sensitivity A. C. instruments are obtained by using a full-wave copper oxide rectifier in conjunction with a standard Model 301 D. C. movement. They have the excellent damping, even scale characteristics and high over-load capacities of the D. C. instruments.

Temperature errors at ordinary room temperatures and frequency errors over the power frequency range of 25 to 133 cycles are negligible. Frequency errors on higher frequencies up to 35,000 cycles may be corrected for as the instrument indications decrease approximately 1/2 of 1% for each thousand cycles per second.

In general conditions the instrument may be relied upon to within 5% accuracy.

Model 301 D. C. Voltmeters

Approximate resistance in ohms per volt: 1 to 40 volts, 62; 50 to 150 volts, 200; 200 volts, 250 volts, 300; 300-500 volts, 666; 600 to 2000 volts, 66; above 2000 volts, 100. Extreme width 3 1/4 inches. Diameter of barrel 2 9-16 inches.

Stock No.	Range	List Price	Your Cost
2J10601	1.5	\$8.00	\$5.88
2J10602	2	8.00	5.88
2J10603	3	8.00	5.88
2J10604	5	8.00	5.88
2J10606	8	8.00	5.88
2J10607	10	8.00	5.88
2J10608	15	8.00	5.88
2J10615	150	10.00	7.35
2J10618	300	14.00	10.28
2J10619	500	16.00	11.76
2J10620	1000*	25.25	18.56
2J10621	1500*	30.75	22.60
2J10622	2000*	42.75	31.42
2J10623	2500*	51.00	37.48
2J10624	3000*	59.75	43.92

*Supplied with external resistor.

Model 301 D.C. Voltmeters

Stock No.	Range	List Price	Your Cost
2J10658	75	\$12.00	\$8.82
2J10659	150	14.50	10.66
2J10660	200	14.50	10.66
2J10661	300	16.00	11.76
2J10662	500	17.50	12.86
2J10663	750	20.50	15.07
2J10664	200/8*	14.50	10.66
2J10665	500/100*	20.50	15.07
2J10666	500/250*	21.50	15.80
2J10667	750/250*	21.50	15.80
2J10668	750/250/10*	25.50	18.64
2J10669	50/10/5†	25.50	18.64

*Double and triple range instruments are self-contained for lowest range. External box supplied for other ranges.

†Spool resistors supplied for all but low range.

Model 301 D.C. Milliammeter

Stock No.	Range	List Price	Your Cost
2J10675	1	\$10.00	\$7.35
2J10676	1.5	10.00	7.35
2J10677	2	10.00	7.35
2J10678	3	10.00	7.35
2J10679	5	8.00	5.88
2J10680	10	8.00	5.88
2J10681	15	8.00	5.88
2J10683	25	8.00	5.88
2J10684	30	8.00	5.88
2J10685	50	8.00	5.88
2J10686	100	8.00	5.88
2J10687	150	8.00	5.88
2J10688	200	8.00	5.88
2J10689	250	8.00	5.88
2J10690	300	8.00	5.88
2J10691	500	8.00	5.88
2J10693	1000	8.00	5.88
2J10694	150/15*	13.00	9.56
2J10695	150/30*	13.00	9.56

*Three binding post type self-contained.

Model 301 Volt-Ohmmeters

Stock No.	Volts	Ohms Res.	Ohms Per Volt	Your Cost
2J10627	4.5	0-100,000	1000	\$8.82
2J10628	15	0-500,000	1000	8.82

Model 301 D.C. Ammeters

Stock No.	Range	List Price	Your Cost
2J10630	1	\$8.00	\$5.88
2J10632	2	8.00	5.88
2J10633	3	8.00	5.88
2J10635	5	8.00	5.88
2J10637	10	8.00	5.88
2J10638	15	8.00	5.88
2J10639	20	8.00	5.88
2J10640	30	8.00	5.88
2J10652	3-0-3	8.00	5.88
2J10654	10-0-10	8.00	5.88
2J10657	30-0-30	8.00	5.88

Model 301 Micro-Ammeters

Stock No.	Range	List Price	Your Cost
2J10701	200*	\$13.50	\$9.92
2J10702	500*	12.00	8.82

*These instruments are adjusted to use in horizontal or 45° position. BAKELITE CASES should be specified for Ammeters and Milliammeters when used in circuits above 300 volts when it is not possible to connect the instrument in the grounded side of the line.

Rectifier Type Instruments MODEL 301 VOLTMETERS

Stock No.	Range	List Price	Your Cost
2J10705*	1	\$16.50	\$12.13
2J10706*	1.5	16.50	12.13
2J10707	3	14.00	10.29
2J10708*	5	16.50	12.13
2J10709	5	14.00	10.29
2J10710*	5	16.50	12.13
2J10711	15	14.00	10.29
2J10712*	15	16.50	12.13
2J10713	50	15.00	11.03
2J10714*	50	17.50	12.86
2J10717	150	15.00	11.03
2J10718	300	16.50	12.13

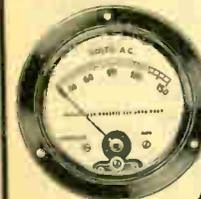
*2000 ohms per volt—others 1000 ohms per volt. 2000 ohms per volt instruments should be used in horizontal or 45° position.

MODEL 301 MILLIAMMETERS

Stock No.	Range	List Price	Your Cost
2J10720	15	\$14.50	\$10.66
2J10721	1	12.50	9.19
2J10722	2	12.50	9.19
2J10723	5	12.50	9.19

MODEL 301 MICRO-AMMETER

Stock No.	Range	List Price	Your Cost
2J10725	500	\$14.50	\$10.66



Model 476

A. C. INSTRUMENTS. Movable iron type for A.C. only. Supplied as Voltmeters, Ammeters and Milliammeters. They are accurate within 2%.

Model 476—A.C. Voltmeters

Stock No.	Volts	Approx. Ohms Per Volt	Your Cost
2J10746	1.5	3	\$5.88
2J10747	2	4	5.88
2J10748	3	6	5.88
2J10749	5	10	5.88
2J10750	8	10.5	5.88
2J10751	10	14	5.88
2J10752	10	14	5.88
2J10753	20	26.3	5.88
2J10754	25	26	5.88
2J10755	30	26.3	5.88
2J10756	50	52	5.88
2J10758	150	105	7.35
2J10760	300	167	8.82
2J10762	500	167	11.76
2J10763	*600	167	12.50
2J10764	*750	167	13.23
2J10765	*1000	167	18.01
2J10766	**150/8/4	67/10/10	11.03
2J10767	**150/15/3	67/10/10	11.03
2J10768	**300/8/4	143/10/10	12.53
2J10769	***750-150-16-8-4	10-10-10	14.70
2J10771	†1000-200-16-8-4	50-50-10-10-10	17.64

*Supplied with external multiplier box.
†Self-contained, four binding post instrument.

**Four binding post instrument self-contained, for 150/8/4 volts. External spool resistors for 750/16 volt ranges. Instrument adjusted to definite sensitivity of 20 milliamperes on 150 volts and 100 milliamperes on 4 volts.

†Three binding post instrument self-contained for 100/4 volts. External spool resistors (7) for 1000/200/16/8 volts. Instrument adjusted to definite sensitivity of 20 milliamperes on 100 volts and 100 milliamperes on 4 volts.

Model 476 A.C. Ammeters

Stock No.	Amps.	Approx. Total Res.	Your Cost
2J10775	1	.2030	\$5.88
2J10776	1.5	.082	5.88
2J10777	2	.05	5.88
2J10778	3	.024	5.88
2J10779	5	.010	5.88
2J10780	10	.0058	5.88
2J10781	15	.00219	5.88
2J10782	20	.00162	5.88
2J10783	30	.00070	7.35
2J10784	50	.00057	7.35

Model 476—Milliammeters

Stock No.	Milli-amps.	Approx. Total Res.	Your Cost
2J10785	15	2000	\$5.88
2J10786	25	690	5.88
2J10787	50	175	5.88
2J10788	100	28	5.88
2J10789	250	4.7	5.88
2J10790	500	1.1	5.88

MODEL 476 CONDENSER METERS

These meters are calibrated to read the capacity of condensers direct in microfarads. They are of the movable iron type and are accurate within 3% when used on the voltage for which they are adjusted.

Model 476—Condenser Meters

Stock No.	Microfarads	Scale Divisions	Your Cost
2J10791	†15-1.5	30	\$22.06

†Supplied with an external box.

WESTON Mounting Base

For use with metal case Models 301 and 425 instruments only on circuits of less than 300 volts. All-galor finish. 2J10560 List \$2.75 Your Cost \$2.00

Write for price on any Weston meter not listed.

Model 425

A.C. and R.F. Instruments

These instruments are of the thermo-couple type. The ammeters are for use on A.C. of any frequency. These instruments are accurate within 2%. Approximate weight 6 ounces.



Model 425—Ammeters

Stock No.	Amperes	List Price	Your Cost
2J10730	1	\$13.50	\$9.92
2J10731	1.5	13.50	9.92
2J10732	2	13.50	9.92
2J10733	2.5	13.50	9.92
2J10734	3	13.50	9.92
2J10736	5	13.50	9.92
2J10738	8	13.50	9.92
2J10739	10	13.50	9.92
2J10740	15	13.50	9.92
2J10741	20	13.50	9.92

Model 425—Milliammeters

Stock No.	Safe Milli-amps.	Car-rying Cap'y	Approx. Res. Ohms	Your Cost
2J10742	*120	500	5.2	\$11.03
2J10743	250	600	2.52	11.03
2J10744	500	1000	1.18	11.03

Model 425—Galvanometer

Stock No.	List Price	Your Cost
2J10745	\$18.00	\$11.00

Accuracy: Within two scale divisions. *115 Milliamperes 5.2 ohms. †For horizontal or not more than 45° mounting—all others for vertical mounting. *Power consumption of Model 425 ammeter—1 to 4 amperes inclusive—varies from 0.2 to 0.4 per ampere approximately—5 amperes and above—0.15 watts per ampere.

Model 425 ammeters or milliammeters may be supplied with external thermo-couples in ranges from 3 milliamperes up to and including 50 amperes. Correspondence necessary.

ICA MICROPHONE Adapter



5 prong adapter with split cathode connections. Supplies necessary current for operating microphone when used in connection with radio set. Also suitable for Phono Adapter 42 tube to be used in an amplifier tube. Shpg. Wt., 8 oz. 4L12648—List, \$1.00. Your Cost, Each..... **57¢**

ICA MULTI SPEAKER RELAY



Has connection for 4 speakers. Widely used by dealers for speaker demonstration or in homes or other places where more than one speaker is attached to the set. One or two speakers may be made to operate simultaneously. Bakelite case. Shpg. Wt., 2 lbs. 4L12612—List, \$2.00. Your Cost Each..... **\$1.12**

PHONO ADAPTERS



For sets using "C" bias detector circuits and which are not already equipped with convenient pick-up connections. Simply plugs into detector socket. List Price, \$1.00. 2M13125—Your Cost..... **55¢**

WAFER TYPE

For radio sets having Grid Leak Detection. Fits beneath detector tube and has pin tips for inserting pick-up leads. Shpg. Wt., 8 oz. 2M13126—Your Cost, Ea. **23¢**

ICA Earphone Adapter

Allows the use of headphones with the most powerful sets. No wires needed. Inserts in power tube socket and allows more one or more headphones to be used. Shpg. Wt., 8 oz. List, \$1.50. 4L12625—4 Prong 4L12626—5 Prong 4L12628—5 Prong Either type, net..... **85¢**

STANDARD TEST PRODS

Sturdy handles of high insulating properties; one red, one black. 50 inch leads. Shpg. Wt., 8 oz. 2M12975—Spade Ends. 2M12976—Pin Tip Ends. Your Cost (either) Per Pair **23¢** 2M12977—Spring Clip Ends. Your Cost Per Pair..... **39¢**

FREE!

A complete list of NA-ALD Analyzer Plugs and Adapters for testing the new type tubes, six and seven pin types: (41, 42, 46, 56, 57, 58, 82, 83, 85 and 8T) in all types and makes of set analyzers and tube checkers, will be sent those requesting same.

NA-ALD

NEW SET AND ANALYZER ADAPTERS

ADAPTERS for NEW 57-58-82-41-42



TUBES
No. 906
WLC

Consists of a 6 prong analyzer plug for adapting set testing equipment to the new type tube sockets. Available with 5-foot 7-wire cable. Has latch lock feature which holds adapter until released. Prevents adapter from sticking in socket. Shpg. Wt., 2 lbs. 4K11544—906WLC Plug without cable. List, \$3.50 **\$2.05** Your Cost.....

4K11545—906WLC Plug with 5-foot cable. List, \$5.50 **\$3.23** Your Cost.....

4K11546—965DS Adapter Changing Plug to UY base. List, \$1.25 **74¢** Your Cost.....

4K11547—964DS Adapter Changing Plug to UX base. List, \$1.25 **74¢** Your Cost.....

956-DSW FOR JEWEL 444

Twin adapter used in connection with 905 plug at above to test 57 and 58 tubes with Jewel 444 analyzer. Shpg. Wt., 1 lb. List, \$2.50. **\$1.47** 4K11541—Your Cost.....

965-DW FOR JEWEL 199 WESTON 547, 565 and 566

Same as above but in analyzer plugs without latch lock. For Jewel 199, Weston 547-565 & 566. Shpg. Wt., 1 lb. 4K11540—List, \$2.50. Your Cost..... **\$1.47**

965-SL
Six prong contact, five prong base. Used for testing 57-58 tubes with Supreme AAA-1 Analyzer and Hicock Static Tester. Shpg. Wt., 8 oz. 4K11539—List, \$1.25. **74¢** Your Cost.....

965-KS
57-58 Tube Checker Adapter in connection with any tube tester having UY socket. Shpg. Wt., 8 oz. List, \$1.00. 4K11538—Your Cost..... **59¢**

955G-2 For Testing DIODE TUBES
For testing double plate tubes such as G-2 Majestic. Placed in UY socket. Has internal resistance and switch for reading both plates. Shpg. Wt., 1 lb. List, \$3.00. 4K11543—Your Cost..... **\$1.76**

982 for New Mercury Rectifier Tubes
Adapter is placed in socket of tester regularly used to test '80s. Plate current of one plate is read and then switch thrown for other plate reading. Proper resistance in adapter protect tester. Shpg. Wt., 1 lb. 4K11542—List, \$3.00 **\$1.76** Your Cost Each.....

Na-Ald 905L Analyzer Plug

Designed for replacing worn-out or damaged plugs on set testers; or for connecting bench testing equipment, and for making your own analyzer. The plug has a five prong UY base with a control grid cap on handle for control grid connection. Available with five foot, six wire cable; five wires going to the plug and the sixth to the control grid cap. Has special insulated latch for locking adapter to plug. Shpg. Wt. 8 Oz. 2K11525—Your Cost Each..... **\$1.75** 2K11526—Plug with cable; less adapter. List \$5.00. **\$2.90** Your Cost Each..... 2K11527—Four prong Adapter for above. List, \$1.25. **70¢** Your Cost Each.....



READRITE ADAPTERS



Five prong Socket on a four prong Plug. Has all connections complete to Plug. List \$1. 2K11500—Your Cost Each..... **59¢**

Four Prong Socket on a Five prong Plug. Has all connections complete to Plug. List \$1.00. 2K11501—Your Cost Each..... **59¢**

Adapter for using tubes of 199 Type having a UX base and adapting same in a standard UX socket. List 75c 2K11502—Your Cost Each **44¢**

Has standard UX Socket on UV Plug for attaching to UV Socket. List \$1.00. 2K11503—Your Cost Each **59¢**

Adapter for testing Kellogg tubes in Tube Testers. List \$1.00. 2K11504—Your Cost Each..... **59¢**

Adapter for testing double plate Tubes. UX type for testing both plates. List \$1.00. 2K11505—Your Cost Each **59¢**

Adapter for testing Pentode Tubes in '27 socket of Readrite No. 400 Tester. List \$1.00. 2K11506—Your Cost Each..... **59¢**

Adapter for testing Pentode tubes in earlier Readrite Testers. List \$1.50. 2K11507—Your Cost Each **88¢**

Adapter for testing '36, '37, and '38 tubes in No. 400 Readrite Testers. List \$1.00. 2K11508—Your Cost Each **59¢**

No. 57. For adapting sets for the use of New Type 57 tube in second detector stage. Increases set efficiency. List, \$1.00 **59¢** 4K11509—Your Cost.....

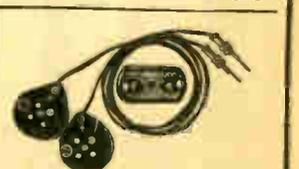
No. 58. For testing new 6 prong tubes in old type testers. Shpg. Wt., 8 oz. 4K11510—List, \$1.50 **87¢** Your Cost.....

LABORATORY TEST PRODS



Improved type. Has bronze tip with needle point and heavy body. Answers two-fold purpose of needle prod and phone tip prod. Handles 5 ins. long and are extra heavy. Red and black covered leads 5 feet long. Our most popular Prod. Shpg. Wt., 8 oz. 2M12978—With Spade Tips 2M12979—With Phone Tips Your Cost, (either type)..... **45¢**

2M12980—With Spring Clips Your Cost..... **55¢**



ICA SPEAKER ADAPTER

So designed that additional Speakers can be connected to all Radio Sets using push-pull amplification without rewiring or making any soldered connections. Two wafer sockets fit between socket and base of output tubes thus connecting the extra speaker across the plates. Complete with cord and cord connector. Shpg. Wt., 8 oz. 2L12610—4 Prong 2L12611—5 Prong List, \$1.00. Your Cost.... **57¢**

SPEAKER AND ANALYZER PLUGS

Male plugs. Durable bakelite body, sturdy pins, removable cap. Shpg. Wt., 8 oz. 2K11532—4 Prong 2K11533—5 Prong Your Cost Each..... **15¢**





NEW FEATHER-WEIGHT HEAD PHONES

You would scarcely know you had them on. So light and so comfortable that hours of continuous use does not bring the wearer the slightest discomfort. They are efficient too; their total resistance of 4000 ohms makes them extremely sensitive to DX and weak signals. Headband is made of flexible steel finished in crackle maroon lacquer. Phone units similarly finished. Shpg. Wt., 2 lbs.
2N13935—\$1.45
 Your Cost per pair.....



CANNON BALL PHONES

The biggest phone value we have ever offered! A high grade, extremely sensitive pair of head phones at a price that defies competition. Aluminum shells. Adjustable web covered headbands. Molded hard rubber caps. Total resistance 2000 ohms. Complete with cords. Shpg. Wt. 2 lbs.
3N13930—\$1.10
 Your Cost.....



FROST FONES \$1.65 Pair

2000 Ohms
 Long a big favorite with the radio man because of their all-round high quality, lightness of weight and ease of adjustment for perfect comfort. Carefully and scientifically made. Unexcelled for testing or for reception. Shpg. Wt., 2 lbs.
3N13932—2000 ohms \$1.65
 Your Cost per pair.....
3N13933—3000 ohms \$1.75
 Your Cost Per Pair.....



BRANDES PHONES

A scientifically made and finely finished set of head phones designed to meet the requirements of those demanding a superior article. They are full-size yet light in weight and are unusually comfortable to wear. Shells are of polished aluminum and caps are of molded hard rubber. Resistance 2000 ohms. Adjustable. Web covered flexible steel head band. Complete with cord. Shpg. Wt., 2 lbs.
2N13925—Your Special \$1.30
 Price Per Pair.....
2N13936—Extra Caps Each 28c
2N13937—Extra Diaphragms Each 10c
2N13938 Extra headband ea. 28c

PHILMORE 1, 2, and 3 TUBE SETS



These receiving sets have been designed and are a development of a well known circuit universally applauded for its selectivity. The improved circuit has been amended to eliminate cumbersome controls employed in the original circuit by means of a fixed condenser and spider web coil used as a primary, secondary and fixed tickler. These new features assure easy tuning, additional selectivity and sensitivity and plenty of volume. These sets employ the new 2 volt tubes which draw but very little current and which are economically operated from dry cell batteries.

1 TUBE SET
2N13880—Requires one dry "A" Battery, one 22½ volt "B" Battery and one type 230 Tube; Headphones and Aerial. Less Accessories
\$4.45
 Your Cost

2N13881—Complete with Batteries and Tube (No headphones or Aerial). Shpg. Wt., 15 lbs.
 Your Cost, **\$6.50**
 Each

2 TUBE SET
2N13882—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

2N13883—Complete with Batteries and Tubes (No Headphones or Aerial). Shpg. Wt., 27 lbs.
 Your Cost Each **\$8.75**

3 TUBE SET
2N13884—Requires two dry "A" Batteries, two 45 volt "B" Batteries, one 22½ volt "C" Battery, two 230 and one 231 tubes, Headphones or magnetic speaker and Aerial. Shpg. Wt., 33 lbs.
 Your Cost Each **\$7.45** (Less Accessories)

2N13885—Complete with Tubes and Batteries (No Headphones or Aerial). Shpg. Wt., 9 lbs.
 Your Cost, **\$13.95**
 Each

Special Aerial and Headphone Kit

A specially matched set of Headphones and complete Aerial-Ground equipment for use with any of the Philmore Sets listed on this page. Shpg. Wt., 5 lbs. **\$1.40**
2N13890—Your Cost.

Genuine Nathaniel Baldwin Phones



\$4.70 pr.

The balanced armature principle upon which these famous headphones are designed make them the most sensitive and efficient on the market. Used extensively by the United States Signal Corps and the Navy. Preferred by the professional operator. Far superior to the ordinary head set. Hard rubber caps and comfortable headband that is instantly adjustable. Resistance 4000 ohms. Shpg. Wt. 3 lbs. List \$7.50
3N13920—Your Cost \$4.70
 Per Pair



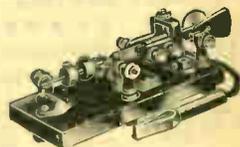
CODE PRACTICE SET

Consists of a key and special high frequency buzzer mounted on a polished wood base. Connect a dry battery to the binding post on the set, press the key and a buzzing sound resembling radio note will be produced. An easy and quick means of learning the code. Base 7x-4¾ inches. Shpg. Wt. 2 lbs.
3N14001—\$1.98
 Your Cost Each.....



ALDEN PRACTICE KEY & BUZZER SET

Operates from one or two flashlight or standard dry cell batteries. Pressure on key produces high frequency buzzer note which closely simulates radio note. Indispensable in learning the continental code. Shpg. Wt., 3 lbs.
3N14007—Your Cost Ea. 49c



NEW SPEED BUG

Improve the speed and legibility of your code transmission with this new improved "bug". Pressure on one side of lever produces a smooth unbroken train of dots; on the other side, the dashes. Easily mastered by anyone in a short time. Contact points heavy enough to use on most amateur xmitters without relay, although one should be used if current is very high. Japanese base. Shpg. Wt., 5 lbs.
3N14000—List \$17.00 \$9.79
 Your Cost Each.....

"SELECTIVE"



Crystal Set \$2.45
Net

A remarkable small set which performs in a manner equal to many single tube receivers. Consists of a tapped inductance, .00035 mfd. variable condenser, glass enclosed adjustable crystal, tuning slider, binding posts for antenna and ground, and double connection posts for two pairs of head phones. Mounted on brushed nickel panel. Attractive slanting faced cabinet. Highly recommended for economical, distortionless and selective reception. Shpg. Wt., 5 lbs.
2N13886—List Price \$5.00 \$2.45
 Your Cost

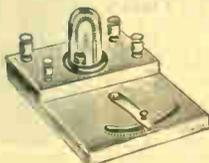
"BLACKBIRD"



Crystal Set \$1.77
Net

An efficient receiving set which will receive broadcasting loud and clear. Has super-sensitive crystal enclosed in dust-proof glass shell, Bakelite tuning knob, aerial-ground and phone binding posts mounted on front panel. Front panel is modernistic gold finish and cabinet is black leatherette. Shpg. Wt. 5 lbs.
2N13887—\$1.77
 Your Cost Each.....

"SUPERTONE"



Crystal Set

Tunes 200 to 550 meters with a receiving range of over 25 miles. Under favorable conditions, receives within 100 miles. Reception unusually loud and clear for a crystal receiver. Crystal is enclosed in dust-proof glass cover. Has antenna, ground, and headphone binding posts. Shpg. Wt., 2 lbs.
2N13888—List Price \$1.50 75c
 Net

"LITTLE WONDER"

Crystal Set 59c
Net



The most inexpensive radio receiver on the market. Using no batteries or power of any kind; good, clear reception can be had within 10 to 25 miles of the broadcast station, depending upon local conditions. Very sensitive crystal with adjustable cat whisker. Shpg. Wt., 1 lb.
2N13889—59c
 Your Cost Each.....

HIGH FREQUENCY BUZZER



A constant pitch high frequency buzzer especially suited for modulating a C.W. carrier or for making code practice set. Black crystalline case. Shpg. Wt., 8 oz.
3N14006—75c
 Your Cost Each.....



SENDING KEY

Designed especially for radio work. The arm, base, and supporting posts are made of heavy cast brass. Coin silver contact points. Shpg. Wt., 2 lbs.

Contacts	Net price
3N14002 ½ in.	\$1.98
3N14003 ¼ in.	2.21
3N14004 ¾ in.	2.30

SIGNAL WIRELESS KEY

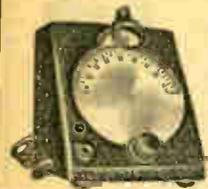


Similar in construction to the ordinary telegraph key except that it has ¼ inch coin silver contact points. Polished and lacquered brass metal parts, hard rubber button. Shpg. Wt., 2 lbs.
3N14005—List \$2.80 \$1.68
 Your Cost.....

TRANSMITTING EQUIPMENT



THE NEW ELECTRON COUPLED FREQUENCY METER



This new instrument represents the latest development in frequency meter design. Its accuracy is 0.025. No special adjustments required. Changes or running down of battery voltages do not affect calibration. Tube changes also have very little effect on calibration. The output is immensely rich in strong harmonics, while the stability absolutely approaches crystal control. Placing of various loads to E.C. oscillator does not change or affect calibration. Contains an adjustable tank condenser allowing over-all frequency coverage. Built in an aluminum cast box. Large condenser plate spacing prevents frequency shifts with temperature changes. A six inch diameter dial rotating 180°

and engraved in 200 divisions with micrometer indicator allowing dial to be accurately read to one part in 2000. Magnifying visor permits still further divisions of one quarter of the above calibrations. Tip jacks for coupling oscilloscope to receiver. No coupling required when connected to use same batteries as receiver. Uses a -36 tube type with 135 volts "B" or a -24 with 180 volts "B".

immensely rich in strong harmonics, while the stability absolutely approaches crystal control. Placing of various loads to E.C. oscillator does not change or affect calibration. Contains an adjustable tank condenser allowing over-all frequency coverage. Built in an aluminum cast box. Large condenser plate spacing prevents frequency shifts with temperature changes. A six inch diameter dial rotating 180°



Modulator Unit For Oscillator

Contains the necessary modulator circuit equipment and Weston plate milliammeter for indicating current drawn by both oscillator and modulator tubes. Designed for either of two tube combinations: two -33 pentodes as modulators and -01A's as oscillators or two -47's with two -45's. Finest parts used throughout. An 8 Ft. cable is furnished for connecting power supply. Grey crackle finished cabinet size 13x7 1/2 x 6 In. Shpg. Wt., 15 lbs.

3N14031—Your Cost Each \$2550



REL R. F. CHOKES

Pie wound. Five pancake windings. Very efficient for low power mixers, or grid R. F. chokes for high power tubes. Effective 15 to 90 meters. D. C. resistance 12.9 ohms.

3N14050—Your Cost Each 72c

500 M. A. CHOKES

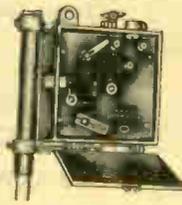
Single layer winding on bakelite.

3N14051—15 to 90 meter band. .26 MH DC 5.2 ohms

Your Cost 85c

3N14052—90 to 200 meter band. .73 MH DC 7.1 ohms

Your Cost \$143



R.E.L. 5 Meter Pole Oscillator

Designed for those who desire the ultimate in DX transmission of 5 meters. Equipped with 8 Ft. aluminum tube which makes an ideal half wave voltage fed radiator. Gives an additional 8 Ft. height to antenna. Unit is connected to control room by 4 wire cable, tuned to desired frequency and then elevated to permanent operating place. Water-tight case. Consists of two UX tubes in push pull circuit, frequency control tank condenser, resonating condenser and other component parts. Uses -01A or -45 tubes.

3N14033—Your Cost Less Tubes \$3150

3N14034—4 wire weather proof cable

Per Foot 12c

CHANGE-OVER SWITCH

Insulated for 3,500 volts. Rated 20 Amps. Rotor shaft of Bakelite. Four switch blades. Panel or base mounting. Has handle and indicator. Size 2 1/2 x 5 1/2 x 4 1/2 In.

3N14057—Your Cost \$900



KENYON Transformers

3N14139—Input; 1 plate to 1 grid. 3:1 Ratio. \$270

Your Cost \$300

3N14140—Input; 1 plate to 2 grids in P-P. 2:1 ratio each side. \$330

Your Cost \$330

3N14142—Mixing; universal line to universal line. \$330

Each \$330

3N14143—Output; detector plate to universal line. \$330

Each \$330

3N14144—Output; P-P '45s to 500 or 15 ohm voice coil. \$330

Your Cost \$330

3N14145—Output; '47 to 15 ohm voice coil. \$330

Each \$330

3N14146—Output; P-P '47s to 500 ohm line or 15 ohm voice coil. \$330

Each \$330

3N14147—Filter Choke 30 Hys. Max. D.C. 90 M.A. 350 ohms D.C. \$210

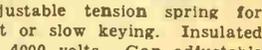
Your Cost \$240

3N14148—Filter Choke 15 Hys. Max. D.C. 150 M.A. 210 ohms D.C. \$240

Your Cost \$240

3N14149—Audio Choke for parallel feed. 250 Hys. Max. D.C. 15 M.A. 3000 ohms D.C. \$270

Each \$270



KEYING RELAY

Simple in construction, dependable in operation and inexpensive in cost. Designed for keying moderate power transmitters. Adjustable tension spring for fast or slow keying. Insulated for 4000 volts. Gap adjustable up to 1/2 inch. Hardy metal contacts. Size 4 1/2 x 3 x 1 1/2 in. Shpg. Wt. 1 1/2 lbs.

3N14012—Your Cost \$425

Your Cost \$425



DEAGAN STATION CHIMES

For the amateur phone man and the broadcast station. Adds an individual touch to the station. Four perfectly pitched notes of beautiful tone. Tuned to a perfect chord—impossible to play them out of tune. Simulates bugle-calls or clock tower chimes. Black plates on manderin red frame; gold ornaments. Complete with hammer and book of 80 calls and musical selections.

3N14013—Your Cost \$450

Your Cost \$450

3N14014—Your Cost \$450

Your Cost \$450

3N14015—Your Cost \$450

Your Cost \$450

THORDARSON TRANSFORMERS

Filament Heating Transformers

45 Series

Type 4585. 2 1/2 Volts C. T. 10 Amps. Sec. 5 1/2 x 5 1/2 x 4 1/2 ins.

Shpg. Wt., 13 lbs. \$706

4A304—Your Cost \$706

Type 4586. 5 volts C. T. 20 Amp. Sec. 6 1/2 x 6 1/2 x 6 1/2 ins. Shpg. Wt. 22 lbs.

\$882

4A305—Your Cost \$882

Filament Heating Transformers

Type T-2383. 12 volts C. T. at 176 V.A. Size. 4 1/2 x 5 x 6 In. Shpg. Wt., 15 lbs.

\$588

4A315—Your Cost \$588

Type T-2382. 12 volts C. T. at 80 V.A. Size. 3 1/2 x 4 1/2 x 4 In. Shpg. Wt., 7 1/2 lbs.

\$352

4A316—Your Cost \$352

Type 3680. 2 1/2 volts C.T. at 10 Amps. Size. 3 1/2 x 3 x 3 3/4 inches. Shpg. Wt., 6 lbs.

\$441

4A317—Your Cost \$441

Type T-2230. 7 1/2 volts C. T. at 3 Amps. Size. 3 1/2 x 3 x 3 3/4 In. Shpg. Wt., 5 lbs.

\$352

4A318—Your Cost \$352

PLATE SUPPLY TRANSFORMERS

Type 4450. Delivers out of filter 500 volts at 150 M.A. Size 6 1/2 x 5 1/2 x 6 1/2 In. Shpg. Wt., 24 lbs.

\$1176

4A306—Your Cost \$1176

Type 4455. Delivers out of filter 2000 volts at 250 M.A. Size 7 1/2 x 9 x 7 1/2 In. Shpg. Wt. 52 lbs.

\$4998

4A307—Your Cost \$4998

Type 4460. Delivers out of filter 2000 volts at 750 M.A. Size 10 x 12 x 10 In. Shpg. Wt. 126 lbs.

\$4998

4A308—Your Cost \$4998

Type 2387-A. 1000-0-1000 volts and 1500-0-1500 volts. Capacity 300 V.A. Size 7 1/2 x 5 1/2 x 7 1/2 In. Shpg. Wt., 23 lbs.

\$1118

4A308—Your Cost \$1118

Type T-2388-A. 1500-0-1500 volts and 2000-0-2000 volts. Capacity 500 V.A. Size 7 1/2 x 6 1/2 x 8 1/2 ins. Shpg. Wt., 30 lbs.

\$1470

4A310—Your Cost \$1470

Type T-2389-A. 1500-0-1500 volts and 2000-0-2000 volts. Capacity 1000 V.A. Size. 7 1/2 x 7 x 9 1/2 inches. Shpg. Wt., 45 lbs.

\$1754

4A311—Your Cost \$1754

FILTER REACTORS

Type 4451. 25 Henries. 250 M. A. 6 1/2 x 4 1/2 x 4 1/2 In. Shpg. Wt., 20 lbs.

\$588

4A312—Your Cost \$588

Type 4456. 25 Henries. 250 M. A. Size. 5 1/2 x 5 1/2 x 8 1/2 ins. Shpg. Wt., 30 lbs.

\$882

4A313—Your Cost \$882

Type 4461. 25 Henries 750 M.A. Size 12x8x8 ins. Shpg. Wt., 58 lbs.

\$2940

4A314—Your Cost \$2940

Unshielded Filter Reactors.

Type T-2353. 6 Henries at 150 M.A. 3000 volt insulation. Size. 3 x 3 1/4 x 3 3/4 In. Shpg. Wt., 5 1/2 lbs.

\$294

4A319—Your Cost \$294

Type T-2071. 30 Henries. 150 M.A. 3000 volt insulation. Size 2 1/2 x 3 1/2 x 6 In. Shpg. Wt., 7 lbs.

\$588

4A320—Your Cost \$588

Type 2027. 30 Henries 300 M.A. 3000 volt insulation. Size 5 x 3 1/2 x 8 In. Shpg. Wt., 17 lbs.

\$794

4A321—Your Cost \$794

Type T-2073. 30 Henries 500 M.A. 3000 volt insulation. Size 4 1/2 x 5 1/2 x 9 1/2 In. Shpg. Wt., 27 lbs.

\$1000

4A322—Your Cost \$1000

ANTENNA INSULATORS



PYREX STAND-OFF INSULATORS

These high-grade Insulators are the last word in stand-off type units. Oval base size 3x1 1/2 in. Diameter of glass 1 1/4 in. Have flash-over value when dry of 21.5 and 56 KV, respectively.

- 3R16808—3 In. high overall. Your Cost **\$1.83**
- Each
- 3R16809—7 In. high overall. Your Cost **\$2.10**
- Each



PYREX ANTENNA INSULATORS

Strong and neat; a size for every amateur purpose.

Stock No.	Length Overall	Power Rating	Your Cost
3R16805	3 3/8		\$1.18
3R16806	7 1/2	250 Watts	.98
3R16807	12 1/4	1 1/2 KW	2.33

AMATEUR TYPE



Diameter 2 1/2 ins. Supplied with brass rod, 4 brass jam nuts, 2 brass washers, 2 rubber washers and 2 rubber gaskets.

- 3R16813—15 inch rod. List, \$2.20. Your Cost **\$1.47**
- 3R16814—20 inch rod. List, \$2.30. Your Cost **\$1.53**

AIRPLANE TYPE



Complete with brass rod and fittings. Mounts to flat surface by means of screws extending through outer flange. Diameter 3 1/4 ins., length 4 ins. Shpg. Wt., 2 lbs.

- 3R16810—List \$5.00. Your Cost Each **\$3.35**



SHELL ONLY

No fittings. For those who wish to provide their own rods and fittings.

- 3R16815 4 3/8 x 6 3/8 ins. List \$1.50. Your Cost **\$1.00**
- 3R16816 4 3/8 x 6 3/8 ins.



ANTENNA FEEDER SPREADERS

Belts 3/4 inch thick. "T" bolt and round washer holds No. 12 or 14 wire. Permanent grip. Ideal for Zeppelin Antenna. Light weight high insulating properties.

- 3R16817—Spaced 5 Ins. apart. Your Cost **\$1.50**
- 3R16818—Spaced 7 Inches. Each

PHOTO ELECTRIC CELLS and RELAYS

Type CE-1



QRS-DeVry, RCA Photophone, Melophone, Vitadisc. Also industrial uses such as relay work. Ionization voltage 130 or more. UX 199 base.

- 3L12310 **\$7.50**
- Your Cost

Type CE-2



Chicago Sound-on-Film, Motiograph, Toneograph, Universal Gries Photone Talkafilm, Pulverman Royal, Safray, Bell Portable, Douglas.

- 3L12311— **\$11.20**
- Your Cost

Type CE-4 & CE-5

Unmounted. Weber, Platter Phototone, Sono Film, Brel, Eastern Electric, (CE-5) DeForest, Biophone, Tobis Klangfilm, Kinoplay.

- 3L12313—CE-4 **\$11.50**
- 3L12314—CE-5
- Your Cost **\$11.50**
- Either Type.

A. P. C. Projectors



Furnishes the light source for photoelectric relays, counters etc. Throws enough light to operate relay over a distance of 30 feet. Ventilated. Polished reflector and high grade lens.

- TYPE AH, with 6 volt 32 CP auto headlight lamp. Excited from built-in transformer. **\$9.50**
- 3N14181—Your Cost
- TYPE AL with 6 volt 32 CP auto headlight lamp to be used with 6 volt supply. For use where no lighting supply is available. **\$7.15**
- 3N14182—Your Cost



Type CE-7

Gen. purpose cell. Operating voltage: 90 V. Ionization voltage 130 or more. UX 201-A base. Effective plate area: 1.725 Sq. In.

- 3L12316— **\$7.50**
- Your Cost

Type CE-3



UX 201A base. Operating voltage: 90 V. Ionization voltage 130 or more. Western Electric 3A Cesium type.

- 3L12312— **\$11.20**
- Your Cost

Type CE-6

Royal Amplitone, Powers Cine-phone, Patent Holmes. General Industrial Applications. Operating voltage: 90 V. Ionization voltage, 130 or more.

- 3L12315— **\$11.20**
- Your Cost

A. P. C. RELAY



Suitable for any of the uses to which an extremely sensitive photocell relay may be put. Capacity 25 watts, non-inductive load. Adjustable for any desired light value. Operates normally open or closed. Requires standard photocell and -12A radio tube for operation. For either 110 volt A.C. or D.C. as specified in ordering.

- 3N14183— **\$23.75**
- Your Cost Each



RCA UX 868

UX 199 base. Anode voltage: 90 Max. Load circuit resistance: 1 to 5 megohms. Dynamic Sensitivity at 1000 cycles: 40 micro-amperes per lumen. Gas amplification factor not over 7. Window area of cathode, .9 Sq. In.

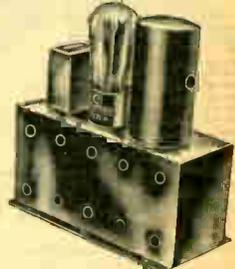
- 3L12317— **\$4.98**
- Your Cost



RCA UX 867

A highly sensitive, general purpose photo electric cell of the central anode type. Used in talking movie sound equipment, and for operating relays and burglar alarms. Output 1 to 5 volts.

- 3L12318— **\$2.50**
- Your Cost



A. P. C. COUNTER

When used with suitable light source this device will record faithfully every interruption of light by passing object. Will count at any rate up to 360 per minute. Has many industrial applications. Requires type -71 radio tube and standard photocell for operation. For either -110 v. D.C. or A.C. State current to be used.

- 3N14180—Your Cost **\$28.05**
- Less Tubes



Weston 534 Relay

A commercial Type Relay with two sets of contacts operating through polarized arm. Relay is actually a milliammeter armature driving contact instead of usual pointer. May be adjusted as galvanometer with normal position open, closing to either high or low side according to polarity. Technical bulletin on request.

- 3J10561—List \$27.50. Your Cost **\$24.75**
- 3J10562—534 Relay, Photronic Cell and Power Relay (Not Illustrated) List \$48.00. Your Cost **\$36.00**

FREE!

Radio Amateur's Handbook



Write for your copy of Wholesale Radio Service Company's Handbook. Full of information and equipment for the HAM and Amateur. Limited Edition. Better write for it now, to avoid disappointment.

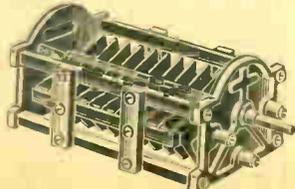


Weston 634 Relay

Single Contact. Designed for use with Photronic cell and Weston ND 19747 electro-magnetic relay (Not illustrated). This combination will handle 100 watts at 120 volts. Complete outfit consisting of Photronic Cell 634 miniature relay and ND19747 power relay. **\$21.38**

- 3J10564—Your Cost
- 3J10565—634 Relay **\$10.43**
- Only

New Hammarlund Transmitting Condensers



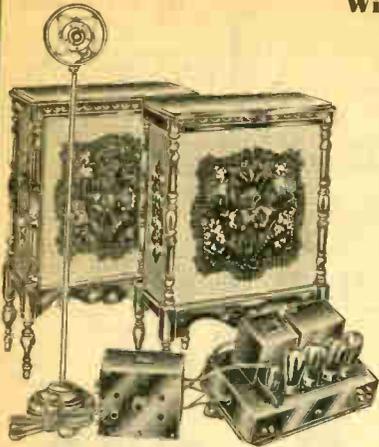
The NEW HAMMARLUND Transmitting Condensers incorporate features usually associated only with high power transmitters. The use of extruded Isolantite for insulation assures highest efficiency. Heavy cast aluminum end plates shield the condenser thoroughly. Shafts are 1/4 in. diameter, extend 1 1/2 in. beyond panel mounting bushings. Overall width 4 1/2 in., height 3 3/4 in.

	mmf.	Plates	Plate Thickness inches	Plate Edges	*plate Spacing inches	Voltage Rating	Overall Length inches	Your Cost
N14062	30	7	.040	Rounded	.192	6500 V.	3 3/8	\$2.94
N14063	50	11	.040	Rounded	.192	6500 V.	4 1/8	3.81
N14064	100	21	.040	Rounded	.192	6500 V.	6 1/8	5.59
N14065	150	31	.040	Rounded	.192	6500 V.	8 1/8	7.94
N14066	225	47	.040	Rounded	.192	6500 V.	12 1/8	10.58
N14067	100	11	.040	Rounded	.080	3000 V.	3 3/8	3.24
N14068	150	17	.040	Rounded	.080	3000 V.	3 3/8	3.81
N14069	225	23	.040	Rounded	.080	3000 V.	4 3/8	4.70
N14070	335	43	.040	Rounded	.100	3500 V.	7 1/8	7.06
N14071	450	47	.040	Rounded	.080	3000 V.	7 1/8	7.06
N14072	225	23	.025	Plain	.080	2000 V.	4 3/8	3.53
N14073	350	19	.025	Plain	.038	1000 V.	3 3/8	2.94
N14074	500	27	.025	Plain	.038	1000 V.	3 3/8	3.24

*Actual Air Gap between adjacent rotor and stator plates.

LAFAYETTE 250 PUBLIC ADDRESS SYSTEM

With Loftin-White "250" Push-Pull Amplifier



2P15745—Lafayette 250 Loftin-White System Complete as described; less tubes—Your Cost..... **\$112.50**
2P15749—Complete set RCA Tubes for above (one '57, two '50s and two '81s)—Your Cost..... **\$138.88**

No finer equipment obtainable at any price than this Lafayette PA-250 outfit. Everything needed to install a Public Address System of tremendous power and wonderful tone quality, including full directions to make the few simple connections necessary for its installation. Ideal for Auditoriums, Theatres, Lodge Halls, Schools, Clubs, Cafes, Dance Halls, or other indoor gatherings where as many as 3000 persons must be reached. Equally well suited to outdoor gatherings such as Athletic Games, Picnics or Conventions, also. Only the very finest units are included, the Lafayette DeLux 250 Loftin-White push-pull Amplifier described on page 25 providing the nucleus of the installation. The Lafayette Senior two-button microphone furnished is of the improved stretched diaphragm type and having a frequency response of from 30 to 9000 cycles is equally well suited to voice and music. The Microphone Control Unit provides for the proper adjustment to obtain perfect results from a wide variety of conditions under which such a system must function. Microphone Stand is of the floor type and is beautifully and durably finished in statuary bronze. Other Accessories are comparable in quality to the above described units. The Systems PA 250 and PA 251 are identical with the exception of the Microphone Control Box. In the case of the PA 251 this unit is provided with an extra '56 tube acting as a pre-stage ampli-

fier for the Microphone. This additional amplification of the Microphone output increases the efficiency of the system considerably and we recommend it to all who care to stand the slight additional cost. Tubes required: one '57, two '50s and two '81s. For 105-120 v. 50-60 cycle A.C.

COMPLETE 250 PUSH-PULL ADDRESS SYSTEM INCLUDES:

- 1—Lafayette Loftin-White 250 Push-Pull Amplifier as described above.
 - 1—Lafayette Senior double button Microphone.
 - 1—Microphone Control Box complete.
 - 1—Adjustable Microphone Stand (39 to 62 inches).
 - 2—RCA 106 Dynamic Speakers.
 - 1—20-ft. Microphone cable.
 - 2—Microphone Batteries.
 - 8—Microphone Suspension Springs.
 - 1—Set Complete Instructions with Diagrams.
- 2P15746**—Lafayette 251 Loftin-White System, same as "250" System except has microphone Pre-Amplifier stage built in Control Box. **\$119.50**
Your Cost, less tubes.....
2P15750—Complete set RCA tubes for above (one '56, one '57, two '50s and two '81s)—Your Cost..... **\$144.77**
2P15751—DeLux Microphone Floor Stand, a heavier model than the stand regularly furnished; if desired— **\$5.00**
 Extra.....

LAFAYETTE MODEL "A" INTER-OFFICE SYSTEM

Comprising the following

The Lafayette Inter-Office Communications system—Model A comprises a genuine, licensed Loftin-White direct coupled amplifier that operates directly from the 110-volt 60-cycle alternating current lighting circuit. The amplifier is self-contained and is controlled by a separate Control Box which controls the gain or volume of the amplifier. Enclosed in the Control Box is a 2-button mike transformer, pilot lights, switches for mike current and A.C. lines. A desk-stand type double button microphone is supplied together with all accessories so that a complete installation can be made within a very short period. The loud speakers are placed at strategic points where they can be heard by the men who will be most apt to be called when needed.

Model A comes with one loud speaker, whereas two, three or four may be required. Hence Model B is supplied with two speakers at an additional cost of \$8.50. We do not advise using more than three dynamic speakers with a single amplifier but should more than three speakers be required, a separate amplifier should be employed with every three speakers. If in doubt as to the equipment you'll need to meet a certain condition, let us help you estimate an installation to give you desired results.



- 1—Lafayette Loftin-White "245" DeLux Amplifier..... **\$14.95**
 - 1—Special D.C. Dynamic Speaker in Gothic Cabinet..... **8.50**
 - 1—Microphone Control Box, which also controls all A.C. to Amplifier and Speaker..... **12.50**
 - 1—Special Double Button Microphone, Type X..... **5.88**
 - 1—Special Desk Stand..... **4.75**
 - 1—12-ft. Microphone Cable..... **.70**
 - 1—20-ft. Speaker Cable and Connector..... **.50**
 - 2—Microphone Batteries..... **.70**
 - 8—Microphone Springs..... **N.C.**
- 3P15747**—Complete, Less Tubes
 Your Cost..... **\$47.78**
2P15748—Complete set of RCA tubes for above (one 280, one '57 and one 245)—Your Cost..... **\$21.77**

COMPLETE INSTRUCTIONS AND DIAGRAMS FURNISHED FREE WITH EACH OUTFIT.

If desired this system may also be used as an ideal phonograph amplifier, by simply removing the microphone and inserting a Lafayette phonograph pick-up. Once installed, there is no fur-

ther cost. The total current consumption of the amplifier from the electric line is but 43 watts, which when figured on a ten-hour per day basis amounts to a cost of less than \$1.00 per

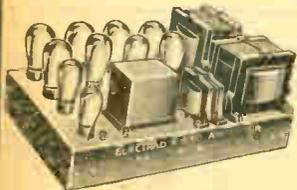
month. Tubes generally last more than a year and the microphone batteries will easily last that long. No attention is required and the operator has a simple rule of instruction to follow. In the morning, the amplifier is turned "on" and is left that way all day. A tell-tale pilot light shows that it is "on." Should someone at the information window desire to see a particular party, she simply switches "on" the microphone and announces "Mr. Jones—Mr. Smith to see you."

Or, "Call for Mr. Edwards at the main desk." Simplicity of construction and wiring make these systems readily adaptable to any given condition. Hence they are finding popular demand where a telephone extension alone cannot accomplish the desired results. Out-of-the-way places, in large plants, stock rooms, dormitories, lavatories, closed chambers, basements, cellars, attics and in nooks and corners, an important message is bound to reach the ears of the most elusive and ever-busy executive.

A volume or gain control incorporated in the control box affords a varying degree of speech amplification suited for the conditions. Any component part may be purchased separately.

ELECTRAD POWER AMPLIFIERS

E-250 4-STAGE AMPLIFIER

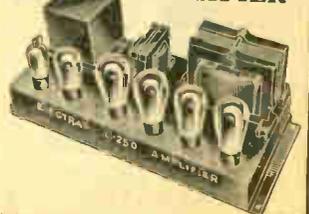


A giant in power, yet compact, the E-250 direct coupled Amplifier is suitable for installations requiring a tremendous power output to cover exceptional areas or to overcome high noise levels such as in airports, convention halls, ball parks, etc. By utilizing four 250 tubes in a special push-pull parallel circuit an undistorted output of 21.9 watts is realized. This is sufficient to supply 20

dynamic speakers. Input may be taken from a high impedance phono pick-up, a microphone or a radio tuner. The coupling to radio may be either resistance or transformer. Gain at 1,000 cycles—76 db; primary watts 315; Input to grid of '24. Tubes used, 1-'24, 1-'45, 4-'50s and 4-'81s. Size, 23 inches long, 15 inches wide, 10 1/2 inches high. Net weight 115 pounds. For 110 volt 60 cycle A. C.

2P15735—List (less tubes) \$195.00
 Your Cost Each..... **\$114.66**

D-250 3-STAGE AMPLIFIER

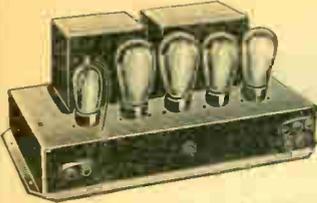


The D-250 amplifier is a logical application of high powered output tubes to a simple, efficient circuit. Basically, the direct coupled stage is fed through high quality audio coupled units, into the push-pull power output stage so that excellent frequency characteristics are realized with extremely high power.

The overall gain of this amplifier is approximately 76 decibels which is entirely sufficient to operate from a low impedance phonograph pick-up or any other low source of input. Gain at 1000 cycles—76 db
 Undistorted power output—14.4 watts
 Hum level—5 volts
 Primary watts—170
 Tubes—one '24, one '27, two '50s, two '81s
 Input direct to grid of '24
 Overall dimensions—Length 22 In. width 9 In., height 10 1/2 In.
 Net weight—63 Lbs. For 110 volt 60 cycle A. C.

4P15736—List (less tubes) \$95.00
 Your Cost Each..... **\$58.86**

NEW LAFAYETTE De Luxe Power Amplifiers With High Gain Tubes



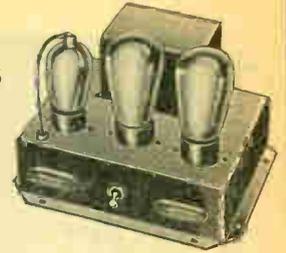
New "Loftin-White" 250 Push-Pull

The Lafayette 250 Push-Pull Amplifier has been designed to take full advantage of the possibilities of the famous Loftin-White principle and is recommended to those requiring greater power and coverage than that provided by the smaller unit described. By means of its unique circuit, volume has been obtained that exceeds that of any amplifier on the market using an equal number of the same type tubes. Its stability of operation is amazing and trouble usually arising from unmatched 250s is completely eliminated. With its enormous undistorted output of over 15 watts, it will provide ample volume to cover audiences of 2,000 to 3,000 persons. Its frequency characteristic between 30 and 8,000 cycles is comparatively flat as the curve taken on the amplifier shows only 4 DBs drop at 10 KC, a remarkable performance. Its gain is 65 DBs at 400 cycles. Necessary input for maximum undistorted output 330 millivolts. A novel circuit capacitance coupled into the grid of the '57. A novel feature of this up-to-the-minute Amplifier is its dual output circuits of 500 ohms and 4,000 ohms. This adapts it for line transmission work as well as high impedance speakers. Power consumption 190 watts at 110 volts 60 cycles. Engineered in our own laboratory in collaboration with Loftin-White staff. Built of the very finest components obtainable. Fully guaranteed for SIX MONTHS against electrical and mechanical defects. Will operate eleven full size dynamic speakers at full capacity. Tubes required, 1-'57, 2-'50s and 2-'81s. Size, 11½ inches deep, 20 inches long, 8 inches high.

2P15742—Lafayette Loftin-White 250 Push-Pull Amplifier, completely wired and tested for 105-120 volt 50-60 cycle A.C. Shpg. Wt., 55 Lbs. Less tubes. **\$4250**

2P15743—As above for 105-120 volt 25-40 cycle A.C. Completely wired. Shpg. Wt., 65 Lbs. Less tubes. **\$5250**

2A401—SPECIAL MATCHING TRANSFORMER for matching 500 ohm line of above Amplifiers to 5-15 ohm voice coil. Shpg. Wt., 4 Lbs. **\$750**



New "Loftin-White" 245

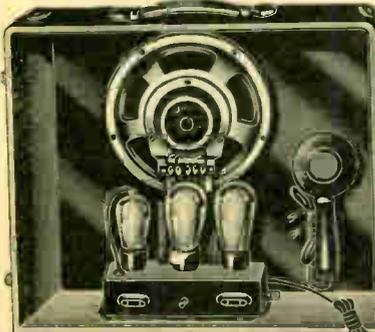
This baby giant of Amplifiers will deliver more power, tube-for-tube and preserve a more uniform frequency response curve than any similar piece of apparatus on the market. Designed upon the most advanced of present day engineering principles, it is positively in a class by itself in the field of sound amplification. Its frequency response between 30 and 8,000 cycles has a variation of but 3 DBs. Gain at 400 cycles 54 DBs. Maximum undistorted output 3 to 4 watts (sufficient to operate 4 full size Dynamic Speakers or 10 Magnetic Speakers at their full capacities.) The necessary input for maximum output is 175 millivolts. Output impedance 4,000 ohms and is directly from tube. Power consumption 40 watts at 115 volts 60 cycle. This amplifier developed in our own laboratories with the full cooperation and technical advice of Loftin-White staff. In its manufacture only components of the very finest quality are used. Its filter circuit employs two 1,000 volt Flechtheim and an Aerovox dry electrolytic condensers—units that insure long and trouble-free operation and perfect filtering. Special plus or minus 5 resistors are used in plate and grid circuit. Oversize Power Transformer and Chokes, designed in conformity with highest R.M.A. standards. Pressed steel frame in attractive black crystalline finish. Tubes required, 1-'57, 1-UX245 and 1-UX280. Size, 6x8x7 ins. An Ideal Amplifier for those requiring a compact unit for ample coverage of indoor gatherings at 1,000 or less persons. Suitable for Microphone or phonograph reproduction. No output transformer included. Shpg. Wt., 17 pounds. For 105-120 volt 50-60 cycle A.C.

2P15740—Lafayette 245 Loftin-White Amplifier. Completely wired and tested. For 105-120 volt 50-60 cycle A.C. Less Tubes. **\$1395**

2P15741—Lafayette Loftin-White Amplifier—as above except using '48 instead of 245 in output stage. Less Tubes. **\$1495**

Your Cost Each Above amplifiers are for A.C. Speakers; if required can be furnished at same price for D.C. speakers having field resistance of 2500 ohms. Specify type desired.

LAFAYETTE PORTABLE PUBLIC ADDRESS SYSTEM



This small portable public address system is designed for use with audiences of from 500 to 1000 people. It is supplied in a leatherette carrying case measuring 15 inches high by 15 inches long by 10 inches deep. The carrying case is so designed that it houses the portable hand microphone, microphone batteries and all extension cords. The back of the case as well as the front of the case is removable, in order to insure proper ventilation for the tubes, when the system is operating. When the system is being transported, all of the controls and loud speaker are protected by the carrying case, in view of the two covers employed.

The control panel is of engraved bakelite and incorporates the following features: Microphone gain control, microphone button current control, a meter for reading the button current, phonograph tip jacks, a switch enabling microphone or phonograph to be supplied to the input of the amplifier and the AC on and off switch. A complete list of the equipment employed is as follows:

- 1—Lafayette Loftin-White 246 amplifier.
 - 1—Lafayette dynamic speaker.
 - 1—High grade single button Microphone having very good frequency characteristics and suitable for portable use.
 - 1—25-ft. AC extension cord and one 25-ft. microphone cord.
 - 2—No. 6 dry cells for microphone supply.
- The total weight of this system including the above mentioned equipment is approximately 35 lbs. Only the best materials are used throughout.

2P15766—Carrying Case Only **\$500**

2P15763—Your Cost (less tubes) **\$3950**

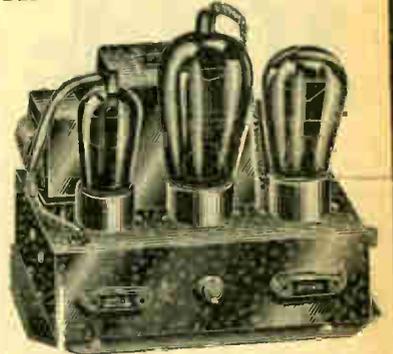
2P15765—Complete set of RCA tubes for above Pentode Model (one '57, one 246 and one 280). **\$250**

PORTABLE — DUAL SPEED ELECTRIC MOTOR AND PICK-UP

Dual Speed, 33 1/3 and 78 R.P.M. Electric phonograph motor with special high impedance pick-up. Encased in a sturdy and grained bakelite covered carrying case. The electric motor is the famous Green Flyer, noted for its silent operation as the gears are of laminated bakelite and are run in oil at all times. The motor is of the induction type. Has 12-in. turntable, volume control, speed indicator and manual switch for either speed of 33 or 78 R.P.M. Case is unusually attractive in appearance with padded top. Size 13x18x7 ins. high. For 110 volt, 60 cycle operation. Shpg. Wt., 25 pounds. 2Y22031—List, \$60.00. **\$2695**



LAFAYETTE TRIPLE-TWIN AMPLIFIER



An addition to the well known line of LAFAYETTE POWER AMPLIFIERS. This amplifier utilizes the New Triple-Twin Amplifying Tube in the output stage, direct coupled from 1-'24, and using 1-'80 rectifier. Maximum undistorted output of 5 watts. High impedance input, capacity coupled to '24 type tube. Necessary input for maximum output is 175 millivolts. Output impedance is 3,000 ohms directly from tube. Power consumption 50 watts at 115 volts, 60 cycles. Will operate 5 full size dynamic speakers or 12 magnetic speakers at their full capacities. The "Triple-Twin" utilizes positive grid swings, yet retains a high input impedance. Its output characteristics allow distortionless operation into any load whose value exceeds that of its own low internal plate impedance. Maximum power transfer and minimum distortion both occur when load is equal to tube impedance. The fidelity characteristics are not sacrificed when utilizing the high gain and full power of the "Triple-Twin." The elimination of Wien detector systems, and their accompanying coupling apparatus is of vital economical importance. No output transformer included. Suitable for Microphone or phonograph reproduction. Pressed steel frame in black crystalline finish. Size, 6x8x7 ins. Shpg. Wt., 20 lbs. Completely wired and tested. 105-120 volt, 50-60 cycle. Less Tubes. 4P15761—List, \$40.00. **\$1750**

RCA-VICTOR END TABLE ELECTROLA



THE CABINET

A piece of furniture of unusual beauty and utility containing an Electric Phonograph of the highest order. This smart piece of furniture is constructed of genuine walnut and is handsomely and durably finished hand rubbed piano varnish. Top lifts to permit operation of electric phonograph which is mounted in compartment below. Top is extra heavy and beautifully designed. Has substantial shelf at bottom for books and magazines. Size, 26 inches long, 15 1/2 inches wide, 24 1/2 inches high. Shpg. Wt., 25 Lbs. Cabinet only, without Motor Board or accessories. **\$375**

4Y19771—Your Cost, Each

With LAFAYETTE, LOFTIN-WHITE AMPLIFIER and MAGNAVOX SPEAKER

Ultra-fine reproduction of recorded programs, are now available with this fine combination of Genuine RCA-VICTOR End Table Electrola using the AUDAK Improved Super-Sensitive Electric Pick-up No. 30, combined with the powerful LAFAYETTE, LOFTIN-WHITE AMPLIFIER and Magnavox Dynamic Speaker. Ideal for small CHURCHES, STORES, HOTELS, BUSINESS HOUSES, POLITICAL ORGANIZATIONS, BARGAIN SALES and a host of others. In connection with a proper control panel, microphone and input transformer, a portable Public Address system can be had with this instrument. LAFAYETTE, LOFTIN-WHITE AMPLIFIER utilizes the following tubes: 1-'57, 1-'45 and 1-'80. Shpg. Wt., 75 Lbs.

RCA-VICTOR Electrola, with Audak Pick-up and Lafayette, Loftin-White Amplifier. (Less Tubes) **\$2950**

4Y19772—Your Cost, Special

RCA-VICTOR End Table Electrola Only, no Amplifier or Speaker, but equipped with Audak Pick-up. Shpg. Wt., 55 Lbs. **\$1195**

4Y19773—Your Cost

RCA-VICTOR End Table Electrola Only, No Amplifier or Speaker, but equipped with Genuine RCA Pick-up. **\$1250**

4Y19750—Your Cost

For 33 1-3 or 78 R.P.M.

Records

The same as above (less Amplifier equipment), except dual speed induction motor for playing the 33 1/3 or 78 r.p.m. recordings, and special counter-balance for the RCA-VICTOR Pick-up. **\$1950**

4Y19774—Your Cost, Special



Motor Board With Pick-up

This is the genuine RCA-VICTOR Electric Phonograph Unit as used in their costly combinations. G. E. MOTOR: A heavy duty induction motor is employed, resulting in a steady rate of speed and smooth operation. (This alone is worth the price.) RCA-VICTOR PICKUP:—Without doubt the FINEST ever made. Sturdily built—and designed by experts—it will reproduce voice and music with remarkable fidelity. IMPEDANCE MATCHING TRANSFORMER: A valuable feature—enables the use of this pick-up with ANY RADIO OR AMPLIFIER. AUTOMATIC STOP—VOLUME CONTROL—ON-OFF SWITCH—NEEDLE CUPS. Board measures 20 x 13 inches. Our sensation-ally low price will move these fast. Our quantity is limited. For 110 volts, 50-60 cycle only. Shpg. Wt., 30 Lbs. **\$1095**

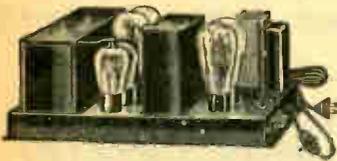
4Y19769—Your Cost, Special

Motor Board with Audak No. 30 Pick-up

The same as above, except equipped with the Improved Super-Sensitive Audak Pick-up. (This pick-up lists for \$21.50.) No matching transformer included. High impedance pick-up will work with most Radios and Amplifiers. Shpg. Wt., 30 Lbs. **\$995**

4Y19770—Your Cost, Special

3-Stage Power Amplifier Push-Pull "250" Tubes



A quality power amplifier using the new type High Gram Tubes: 1st stage, 1-'58; 2nd stage, 1-'56; 3rd stage, 2-'250 push-pull; 2-'281 full wave rectification. The high gain of the new tubes, nearly fourteen watts of undistorted output from the 250's, low hum level, and an unusually fine frequency response result in an amplifier ideally suitable for installation in theatres, auditoriums, dance halls, etc. INPUT:—To any high impedance pick-up. Coupling transformer should be used for microphone input or low impedance pick-up. Equipped with a tapered volume control. OUTPUT: Low impedance output direct to 10 to 15 ohm voice coil. High impedance output to couple to 4000 ohm input transformer. MAXIMUM UNDISTORTED POWER OUTPUT:—13.8 Watts. Gain at 1000 cycles—58 db. Will supply up to 5 large dynamic speakers, or 25 magnetic speakers. Will furnish current to a dynamic field of 750 ohms. Constructed on a heavy steel base, all parts being electrically and mechanically shielded. Finished in black lacquer. Size, 17 1/2 inches long, 11 1/2 inches wide, 7 1/2 inches high. Shpg. Wt., 40 Lbs. **\$2450**

4P45733—Less Tubes

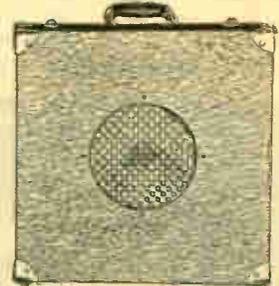
Your Cost, Special

Set of RCA Tubes **\$10.75**

PORTABLE PUBLIC ADDRESS SYSTEM

Made by United Sound Engineering Co. An All-Purpose Public Address System, Complete In Every Respect At An Amazingly Low Price.

While small in size it is no midget in performance. It can be used to amplify programs for crowds of 500 to 1000 people, and is adaptable for larger crowds with the addition of auxiliary loudspeakers. It is not necessary to shout into the microphone. You can stand several feet away, talk in a normal voice, and get splendid results. The microphone will pick up a dance band equally well. Three stages of amplification:—1-'24, 1-'27 and 2-'47s in output p.p. stage; 1-'80 rectifier. Undistorted output—7.5 watts. 83 db. gain. Input impedance—500,000 ohms or less. Power consumption—64 watts at 110 volts, 60 cycles. Standard output impedance of 500 ohms. Change-over switch from Mike to special input. Smooth tapered volume control. Utilizes the Wright-DeCoster Speaker.



In addition to its primary use as a public address amplifier, it may be used for broadcast remote pick-up. The hum level being so low and the quality so high, makes it ideal for this use. Microphone current supply incorporated in amplifier furnishes highly filtered D.C. The voltage amplification in excess of 80 db. allows maximum output even when input is extremely low. The sturdy carrying case is leatherette covered, with metal protector corners. It divides into two equal sections which are connected with the accompanying cords. Size 18 x 18 x 10 inches.

Includes Microphone, Deskstand, Screen Grid Pentode Amplifier, Control Panel, Loudspeaker, Carrying Case, Cords and Plugs. Less Tubes.

Shpg. Wt., 35 Lbs. List, \$79.00.

4P16759—Your Cost **\$5325**



LAFAYETTE D.C. AMPLIFIER

A 110 volt D.C. Amplifier built on the new positive grid principle which gives an undistorted power output greatly in excess of that possible with any other type D.C. amplifier. Has a frequency response of 60-7000 cycles and an undistorted output of 3 1/2 watts. Gain 80 db. Suitable for microphone, phonograph or radio input; has binding posts for two button microphone and for high impedance pick-up. Provides button current for microphone and has switch to turn current on and off. Circuit consists of 3 stages—a single '37 in the first, 2 '37s in push-pull in the second and 2 '38s in special push-pull in the last. Output impedance for 15 ohm voice coil. Built-in Volume Control. Aluminum finished case, 12 x 8 x 6 3/4 inches. Tubes used: 3-'37s and 2-'38s. Requires small "C" battery for operation.

4P15744—Your Cost, Less Tubes. Each



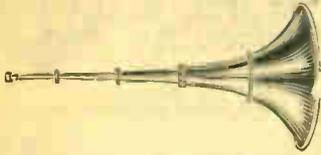
\$3475

SPECIAL AMPLIFIERS

CONSULT US FOR POWER AMPLIFIERS NOT LISTED ON THIS PAGE. WE MAINTAIN A SPECIAL PUBLIC ADDRESS ENGINEERING STAFF AND ARE EQUIPPED TO DESIGN AND BUILD SOUND INSTALLATIONS TO MEET ANY SPECIAL REQUIREMENT. OUR NEW YORK CITY INSTALLATIONS INCLUDE CENTRAL OPERA HOUSE, RIDGEWOOD GROVE ATHLETIC CLUB, R.C.A. INSTITUTE AND LONGACRE THEATRE AND MANY OTHERS.

THEATRE AND PUBLIC ADDRESS EQUIPMENT

FOX ALUMINUM TRUMPETS

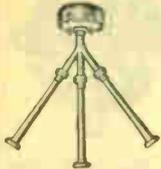


This Fox Aluminum Trumpet Horn is setting entirely new standards of sound quality. Clear, bell-like, and astonishingly realistic in tone—light in weight—free from all the old dangers of exposure, humidity and atmospheric changes. It is suited for theatre, auditorium or general indoor use if directional sound and long distance coverage are desired. For outdoor use it is incomparable, as in addition to its tone features it offers the advantages of extremely light weight and complete immunity from weather and atmospheric action. Radial ribs reinforcing the bell and insuring full natural resonance. Constructed in three sections for greater convenience in handling, storing and transportation.

4 Ft. Horn with 24 inch Bell
4Y9756—List \$60.00. Shpg. Wt., 10 lbs. Your Cost Each..... **\$35.25**

6 Ft. Horn with 32 inch Bell
4Y19757—List \$75.00. Shpg. Wt., 12 lbs. Your Cost Each..... **\$44.10**

FOX TRIPLE ADAPTER



Illustrating the use of the Fox Triple Adapter which permits the installation of three trumpet horns on a single unit. The adapter is of cast aluminum and brass, and is machined and threaded ready for use. Diversion angle is 100 degrees.

Triple Adapter
4Y19758—List \$17.50. Your Cost Each..... **\$10.30**

Dual Adapter
4Y19759—List \$13.50. Your Cost Each..... **\$8.00**

FOX ELECTRO-DYNAMIC UNIT

Here is The Unit that sets new standards in speaker performance. It represents an advance in diaphragm and voice coil construction that from a performance standpoint puts it in a class by itself. This unit is the only one in which the voice coil can be replaced without factory service. A diaphragm replacement can be made in a few minutes by any operator or service man. The voice coil of the Fox unit will stand up under voltages that would paralyze or burn out coils of the older type. It is assembled or taken apart by means of one large master screw. This unit has a capacity of 25 watts on the input, not to exceed 15 volts at two amperes alternating current. Impedance of voice coil is 16 ohms. Exciting energy of field coil must be 6-8 volts at 1 1/2 amperes, which can be secured from six-volt storage battery or an especially designed Fox dry rectifier. Specify 16 or 4Y19278—List, \$49.50.



Your Cost, Each..... **\$29.50**

FOX FIELD EXCITER



A substantial, heavy duty power supply for field excitation of Fox Units. Current rectification is by means of a compact and rugged bi-metallic unit of standard design. Operates on 110 volts A.C. with an output of 6 to 8 volts D.C. at 4 amperes, sufficient to operate 2 Fox Units. No Hum or Overheating.
4Y19760—List \$32.50. Your Cost Each..... **\$13.50**

RACON DYNAMIC SPEAKER UNITS



GIANT UNIT

A powerful Dynamic Unit especially designed for use with trumpet type horns. Handles 10 watts continuously or 25 watts peak. Has 15 ohm voice coil and requires 6-8 volts at 1.1 amps for field excitation. Has threaded collar for attaching horn or the triple connector Wt., 26 lbs. Less Transformer.

described below. former. 2W19265—Your Cost Each..... **\$35.25**

Coupling Transformers

2A400—Coupling Transformer for above unit 500 ohms impedance. Your Cost Each..... **\$4.50**

2A402—As above 400 ohms. Impedance. Your Cost Each..... **\$4.50**

Racon Master Unit

Similar in appearance to the above unit. Continuous operating capacity 6-8 watts, peak 25 watts. 15 ohm voice coil; 6-8 volts at 1.1 amps field current. Wt., 18 lbs.

2W19266—Your Cost Less Coupling Transformer..... **\$29.50**

RACON JUNIOR

Handles 6-8 watts continuously or 20 watts peak. 15 ohm voice coil. 6-8 volts at 1.1 amps field current. Wt. 11 lbs.

2W19267—Complete, Less Coupling Transformer. Your Cost Each..... **\$20.50**



RACON BABY

Continuous operating capacity 5-7 watts; peak capacity 18 watts. Voice coil 15 ohms. Field current, 6 volts at 1 1/4 amps. Wt., 9 lbs.

2W19268—List \$35.00. Complete Less Coupling Transformer. Your Cost Each..... **\$14.70**

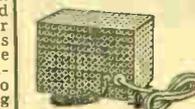
RACON GIANT MAGNETIC

Handles 2 watts continuous load. Impedance 2000 ohms. Suitable for public address use only. Wt. 7 lbs.

2W19269—List \$30.00. Your Cost Each..... **\$14.70**



We can supply coupling Transformers for above Units to match any standard impedance



DYNAMIC FIELD EXCITERS

Units for supplying proper field current to above Racoon units from 110 volt A.C. supply line. Will not overheat or hum. Shpg. Wt. 12 lbs.

2W19271—For One Racoon Unit. List \$30.00. Your Cost Each.... **\$11.76**

2W19272—For Two Racoon Units. List \$35.00. Your Cost Each.... **\$20.50**

2W19273—For Four Racoon Units. List \$60.00. Your Cost Each.... **\$35.25**

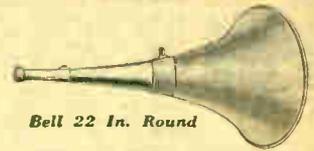
RACON TRIPLE CONNECTOR

A device for connecting three horns to one Racoon Unit. Especially desirable for use in airplane and other public address installations where great coverage must be realized from a single unit. Made of brass with threaded collars 7/8x18 for horns and unit. Dispersion angle 90 degrees. Shpg. Wt., 6 lbs.

2W19274—List Price \$20.00. Your Cost Each..... **\$11.76**



Racon Reproducers



Bell 22 In. Round

Made of fabric, impregnated and hardened. They are guaranteed to withstand all climatic temperatures and moisture without effect. Light in weight and non-porous.

3 1/2 Ft. Trumpets

STORMPROOF MODEL. Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. Guaranteed for 1 year. For outdoor use in all climates and weathers. Shpg. Wt., 20 lbs.

2Y19788—List Price \$40.00. Your Cost Each..... **\$23.42**

DeLUXE MODEL. Equipped with metal beaded edge, cast aluminum ferrule and suspension ring. For indoor or temporary outdoor use. Shpg. Wt., 17 lbs.

2Y19789—List Price \$25.00. Your Cost Each..... **\$14.70**

REGULAR MODEL. Equipped with metal beaded edge, metal ferrule and suspension ring. Adapted for 7/8—18 thread unit. For indoor use only. Shpg. Wt., 17 lbs.

2Y19790—List price \$20.00. Your Cost Each..... **\$11.75**

6 Ft. Trumpets BELL 30 IN. ROUND

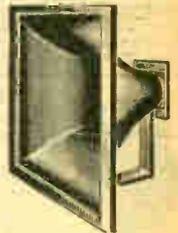
STORMPROOF MODEL. Equipped with metal beaded edge, cast aluminum throat and 4 in. suspension ring. For outdoor use in all climates and weathers. Shpg. Wt., 35 lbs.

2Y19791—List Price \$65.00. Your Cost Each..... **\$38.22**

REGULAR MODEL. Equipped with metal beaded edge, cast aluminum throat, and 4 in. suspension ring. For indoor use only. Shpg. Wt., 31 lbs.

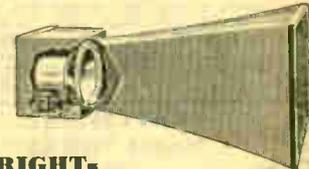
2Y19792—List \$50.00. Net..... **\$24.75**

DYNAMIC BAFFLES



A combination baffle and exponential air column for dynamic speakers. Improves tone and increases volume. Made in four sizes, all available for any size dynamic speaker. In ordering state diameter of speaker.

Stock No.	Size Bell	Inches Depth	List	Net
2Y19784	18x30	10	\$12.00	\$7.50
2Y19785	27x27	24	30.00	14.70
2Y19786	36x36	24	45.00	23.40
2Y19787	44x44	24	60.00	26.45



WRIGHT-DECOSTER DYNAMIC HORNS

Combination exponential horn and speaker covering for Dynamic Speakers. Horn is made of a non-resonant material that greatly improves volume and tone quality of the speaker. Both horn and speaker compartment covered with black waterproof material. Length 48 inches, Bell 23x22 inches. Shpg. Wt. 71 lbs.

2Y19782—List Price \$38.00. Your Cost Each..... **\$22.34**

Horn No. 10.—As above with flare at both sides instead of at bottom. Size 30x21 1/2 inches. Length 48 inches. Shpg. Wt. 71 lbs.

2Y19783—List \$38.00. Your Cost..... **\$22.34**

UNIVERSAL MICROPHONES

UNIVERSAL MODEL "LL"

An extra rugged heavy type two-button broadcast Microphone. The entire assembly is of high carbon steel, ground to within .001 of an inch accuracy. The diaphragm is of alloy of exactly the proper hardness and stretch to secure the best results. Pure gold contact points on each side. The materials used and the precision of manufacture combine to make this model stand out as the superlative microphone, reproducing a range of from 30 to 7000 cycles.

Model "LL" is 3 1/2 inches in diameter by 1 3/4 inches thick and is standard 200 ohms per button. Net weight 2 1/4 lbs. Shpg. Wt. 3 1/2 lbs.

2M13403—List Price, \$75.00. Your Cost Each **\$44.10**



UNIVERSAL MODEL "KK"

A substantial, solid two-button broadcast Microphone with a very minimum hiss. Model "KK" is carefully constructed of the finest materials with a 24 K. pure gold spot center alloy diaphragm which is held under tension. Diaphragm has a thickness of only .002 inch. The frequency range of the "KK" is all that can be desired in a carbon microphone, from 50 to well over 6000 cycles. Buttons 200 ohms each. Entire microphone finished in 24K. polished gold. It is 2 1/2 inches in diameter and 1 1/4 inches thick. Each unit is carefully tested before shipment. Net weight 1 1/4 lbs. Shpg. Wt. 2 1/2 lbs.

2M13404—List Price, \$50.00. Your Cost Each **\$29.40**



UNIVERSAL Model "BB"

The most popular double-button public address Microphone in America. Nearly twice as heavy as any other microphone in its class. Built to hair-line precision. An idea of

its ruggedness can be obtained by the fact that Model "BB" is 3 in. in diameter and 2 in. thick. Built especially for voice pickup, public address work and for amateur broadcasters, etc. Beautifully finished in highly polished chrome plate. 24K. pure gold spot centers. Frequently response 70 to 4,000 cycles. 200 ohms per button. Net weight 1 lb. Shpg. Wt. 2 1/2 lbs.

2M13405—List Price, \$25.00. Net **\$14.70**



NEW MIDGET MODELS

MODEL "W" WATCH "MIKE"

Universal Model "W", the Perfected Watch Model Microphone, is the smallest completely protected and workable single-button microphone manufactured. Supplied particularly for the many special uses requiring a small,

very sensitive compact microphone that can be depended upon to give full quality performance. A favorite type for use in hidden positions or on the coat lapel. High sensitivity, light weight and compactness are the special features of this model. 200 ohms. Equipped with Pure Gold Spot Center Diaphragm, completely enclosed. Size, 1 1/2 in. in diameter, 1/4 in. depth. Shpg. Wt., 3 Lbs.

4M13443—List, \$3.00. Your Cost.. **\$1.76**

SUPER-SENSITIVE MIDGET MODEL "Y"

Universal Model "Y" is even lighter, smaller and sensitive than Model "W", described above. It is of the same general construction, except that the front face of the microphone is the diaphragm proper. This model is extremely

sensitive, when placed in any hidden position, it will pick up sounds and conversations. Recommended for use where high sensitivity and extreme compactness are necessary. Should be placed in protected locations, behind screen or grill work. Suitable for use with some of the less expensive types of ear phones. Because of the exposed diaphragm, great care must be exercised in handling. Shpg. Wt., 1 Lb.

4M13444—List Price, \$2.00. Your Cost **\$1.18**



UNIVERSAL "HANDI-MIKE"

Available in both single and double button types. Pre-eminent for all uses where a hand microphone is desired. Intended for voice only and in this field it has a maximum volume with clear and clean cut speech reproduction. Finished in beautiful polished plate. Has on and off switch and 15 Ft. cord. Length 6 ins. Head, 2 1/4 inches diameter. 200 ohms per Button. Shpg. Wt., 2 1/2 lbs.

2M13409—Single Button. **\$5.88**

List, \$10.00—Your Cost.....

2M13410—Double Button. **\$8.82**

List, \$15.00—Your Cost Each.....



UNIVERSAL Desk Type Mount

Chromium plated finish. Base set in molded rubber. Cable passes through hollow base. 5 inches in diameter for Model "A" and "KK". Complete with covers and eight suspension springs. Shpg. Wt., 5 lbs.

4Y19702—List, \$9.00. **\$5.29**

Your Cost.....

As above, except 6 1/2 inches in diameter for Models "LL" and "BB". Shpg. Wt., 6 lbs.

4Y19703—List, \$16.00. **\$9.41**

Your Cost.....

Desk Stand Only, No Covers

Same as above, except no covers are included. 5 inch ring. Shpg. Wt., 5 lbs.

4Y19700—List, \$5.00. **\$2.94**

Your Cost.....

4Y19701—6 1/2 inch ring. List \$10.00 **\$5.88**

Your Cost.....



UNIVERSAL Model "QRXF"

QRQ

Microphone

Mounted on Junior

Input Stage

An ideal combination for amateur usage. Simple and very easy to connect. Requires one flashlight mono-cell for operation. The transformer improves both volume and quality over any direct application of microphone to detector tube. Has potentiometer volume control which also operates battery switch. When used for home entertainment, the program and speech may be returned and faded in and out by the volume control. Amplifier box finished in russet leatherette. Shpg. Wt., 8 lbs.

2M13408—List Price, \$12.00 **\$7.06**

Your Cost Each.....

UNIVERSAL SENIOR INPUT STAGE

The Senior Radio and Amplifier Input Stage for two button microphones consists of a transformer potentiometer volume control, switch and battery receptacle assembled in a neat wooden box 3x3 x7 in. For matching any two button microphone to filament and grid of tube if connected to amplifier or to phonograph jack if connected to radio set. The volume control is across the secondary of the transformer and incorporates a switch which turns off the battery when not in use. Box finished in russet leatherette lacquer. Equipped with 25 ft. 2 conductor cord and full directions. Shpg. Wt., 7 Lbs. 2P15729—List Price \$15.00. **\$8.82**

Your Cost Each.....

JUNIOR INPUT STAGE

Similar in appearance to above. For use with all single button microphones. Model "A", Baby Mike, QRQ, Handi-Mike; Model "W", and Model "T", the new midget watch microphones. Size, 3x3x5 inches. Shpg. Wt., 5 Lbs. 4P15728—List Price, \$8.00. **\$4.70**

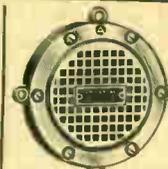
Your Cost, Each.....

FREE!

Set of Eight Microphone Springs Furnished With Each Universal Microphone.

UNIVERSAL MODEL "A"

The most highly developed single button microphone on the market. Constructed with solid 24K. gold faced button and highest grade carbon granules which reduces hiss to a minimum. Equipped with an extremely thin, light weight diaphragm which is also gold faced. The scientific damping permits Model "A" to handle frequencies from 100 to 3000 cycles. Single button is 200 ohms resistance. Diameter 3 in., thickness 1 1/4 in. Polished chrome finish. Shpg. Wt., 3 Lbs. **\$8.22**



2M13406—List \$15.00. Your Cost

UNIVERSAL MODEL "X"

A sensational microphone at an amazingly low price. Available in either single or two button type. Resistance 200 ohms per button. May be mounted in any position. Scientifically damped, laboratory tested. Duraluminum diaphragm, pure gold contact points. Beautifully finished. Shpg. Wt., 3 Lbs.

2M13412—Single Button Model "X" **\$4.41**

List \$7.50. Your Cost Each.....

2M13413—Double Button Model "X" **\$5.88**

List \$10.00. Your Cost.....



UNIVERSAL Model QRQ

An exceptionally efficient, small, low cost microphone for experimenters and other installations requiring a simple single button microphone. An exact replica of the standard broadcast model in appearance. It is 3 1/2 inches high and is finished in nickel plate. Button is 200 ohms resistance and is solid gold faced. Complete with 3 Ft. phone tip cord. Shpg. Wt., 4 Lbs. 2M13407—List Price, \$5.00. **\$2.94**

Your Cost Each.....



Universal Remote Control Panel

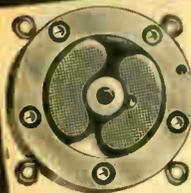
One Stage Microphone Amplifier, Phonograph Mixer and Tone Control. Also Used as Line-To-Line Amplifier, Allowing Use of Monitor Headphones; or Line-To-Amplifier, with Phonograph Pickup. (Not Illustrated.) Consists of a single stage amplifier to bring the output level of a microphone up to approximately that of phonograph pickup. Has phonograph volume control, microphone volume control; also contains battery switch and a tone control. Has two output combinations—a low and high impedance; one for amplifier and other into line of 400 ohms. Tone Control allows adjustment to a particular room or hall wherein it may be used in connection with loud speakers where favorable acoustic conditions are not possible. Volume Controls on phonograph and microphone permit a very low background when desired voices, 230 tube used, drawing 60 mils on flames, 2 mils on the plate. Self contained battery amplifier. The size of the black enameled box is 7x13x7 inches. Weight is 20 lbs. 4Y13445—List, \$60. Your Cost **\$32.28**

Less Tubes and Batteries.....

LAFAYETTE MICROPHONES

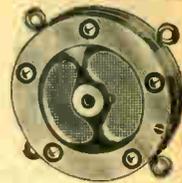
Model "75"

Model "50"



DELUXE MODEL "75" is unquestionably the finest two-button carbon microphone that money can buy. Response, 30-8000 cycles. Extra large and rugged. Resistance, 100 ohms per button. Designed especially for studio and other uses where perfect reproduction of both music and the spoken word is required. Stretched diaphragm is of Duralumin .002 inch in thickness, with solid gold contact points where the carbon contacts the diaphragm. This insures an absolute minimum of carbon rush, resulting in an extremely quiet carbon unit. Diaphragm is protected by a steel screen to prevent damage from handling or accident. Extra heavy chromium plated brass frame measures 3 1/4 inches in diameter, 1 1/2 inch thick. Actual weight, 2 lbs., 3 ozs. Shpg. Wt., 5 lbs.

DELUXE MODEL "50" is a substantial, solid, two-button broadcast microphone, with a very minimum of hiss. Carefully constructed of the finest materials, with 24Kt. pure gold contact points. Duralumin diaphragm of only .002 inch in thickness. Heavy brass frame, chromium plated. Frequency response, 30-7000 cycles. Diaphragm protected with steel screen. Equally suitable for voice or music. Resistance, 100 ohms per button. One of the finest carbon microphones ever offered at our low price. Size, 3 3/8 inches diameter, 1 1/2 inch thick. Actual weight, 1 lb., 9 ozs. Shpg. Wt., 5 lbs.



4M13422—List, \$75.00. Your Cost, Each..... **\$34.50**

4M13421—List Price, \$50.00. Your Cost, Each..... **\$22.50**

LAFAYETTE DeLuxe Stands

Extra Quality

Beautiful modernistic stands in satin silver and black finish. Columns are fluted and bases are attractively designed in the modern manner. All types are extra heavy and have weighted bases. Have loops in sides of barrel for cables. Bases have felted tips.

DESK TYPE: 9 inches high, 6 inch ring. **\$3.95**

FLOOR TYPE: Extends 36 to 70 inches. **\$8.75**

2M13431—Your Cost, Each.....



DUAL TYPE: Two rings. Extends 36 to 70 inches. **\$13.75**

2M13432—Your Cost, Each.....

TRUTEST MICROPHONE STANDS

Desk Type

A very neat appearing small stand of the desk type. Made of satin finish white metal with die cast ring and weighted base. Ring is 7 inches in diameter and base is 5 inches in diameter. Overall height, 13 3/4 ins., non adjustable. Shpg. Wt., 6 1/2 lbs.

2M13427—Your Cost, Each..... **\$3.50**



FLOOR STAND

The same in design and finish as the above stand except that it is adjustable from 46 to 74 1/2 inches. Shpg. Wt., 10 lbs.

2M13428—Your Cost, Each..... **\$4.95**

CONNECTICUT FLOOR STAND MIKE

The performance of this inexpensive microphone will surprise you. Has heavy metal base finished in nickel and light green. Adjustable 48 to 64 inches. Has on and off switch and 50 ft. cord. Can be attached to any radio for home broadcasting. Also ideal for amateur use. Complete with stand and microphone.

2M13433—Your Cost..... **\$5.50**



CONNECTICUT TABLE MIKE

14 inches high, beautifully finished in nickel and light green, with pressed steel case containing "on-off" switch, input transformer and 50 Ft. cord. Two dry cells required for button current.

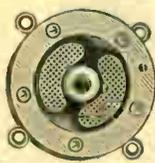
2M13434—Complete Your Cost Each..... **\$3.50**

Model "Twenty-Five"

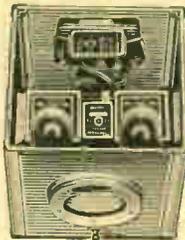
A very efficient two-button carbon microphone which will give entirely satisfactory service in less critical public address installations.

Frequency response, 40 to 4000 cycles. Resistance, 100 ohms per button. Heavy chromium plated brass frame. Special alloy diaphragm with 24K gold contact points. Size, 2 3/4 inches diameter, 1 1/2 inch thick. Shpg. Wt., 4 lbs.

4M13420—List Price, \$25.00 Your Cost, Each..... **\$11.50**



CHRISSELL - ACOUSTIC CONDENSER MICROPHONE and MIKE AMPLIFIER



This amplifier is especially designed to work in conjunction with the Chrisell-Acoustic condenser microphone head. It consists of two stages of resistance-coupled amplification using two type 230 tubes. The voltages required are 135 to 180 volts on the plates and 2 volts on the filaments; the "C" bias is provided by a self-contained "C" battery. The amplifier case is of satin-finish aluminum, 5x5x5 inches. A mounting hole is provided, unless otherwise specified, for insertion of the Chrisell-Acoustic condenser microphone. Comes complete with a plug and a 3-foot cable, connecting to a plug socket mounted on the backplate of the case. Rubber feet, for the protection of polished surfaces, are provided. Amplifier output is suitable for feeding directly into public address systems, or for use in an amateur transmitter modulation system. Fine quality voice and music reproduction. Completely assembled and tested condenser microphone amplifier. (Less tubes and Mike Head)

135 to 180 volts on the plates and 2 volts on the filaments; the "C" bias is provided by a self-contained "C" battery. **\$14.75**

M13463—Your Cost Each.....

Same equipment as above, except Condenser Microphone Head included. **\$19.75**

M13464—Your Cost Each.....

Complete Kit of Parts for building the Microphone Amplifier, including aluminum shield, plug and cable, with instructions for assembling. (Less Mike parts) **\$9.80**

M13465—Your Cost.....

Condenser Microphone Head Only. Completely assembled and tested. **\$7.90**

M13466—Your Cost Each.....

Complete Kit of Parts for building Condenser Microphone Head. **\$3.00**

M13467—Your Cost.....

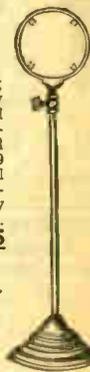
SOUND TRUCK EQUIPMENT

The Lafayette portable public address system listed on page 49 in conjunction with the TruTest 6-volt converter listed on page 23 makes an ideal portable public address system for trucks, yachts and autos where only 6 volt storage battery current is available. Ideal for electioneering and general advertising.

LAFAYETTE STUDIO Microphone Stand

Made of die cast white metal; satin silver finish. Extra heavy in construction, base weighted to minimize tilting hazards. Extends 46 to 79 inches. Barrel 3/4 inches in diameter; base 9 inches, ring 7 1/4 inches. Actual weight 13 pounds. An extraordinarily fine stand at a very low price. Shpg. Wt., 19 lbs.

2M13429—Your Cost, Each..... **\$10.75**



Suspension Ring

Nickel plated microphone ring 6 1/4 inches in diameter. Has brass loop for suspending from ceiling. Shpg. Wt., 2 lbs.

2M13426—Your Cost, Each..... **\$1.95**



TRUTEST DESK STAND AND SUSPENSION RING



Two items in one— a Desk Stand or Suspension ring. Remove the base, replace the loop and screw and the two covers form a perfect Suspension Ring; or if a Desk Stand is desired, no better looking one could be found than the TruTest Combination, when the base is left attached. Made of copper, heavily chromium plated. Size 6 1/4 ins. high (with base), diameter of rings, 2 3/4

ins., of base, 5 1/2 ins., the proper size to accommodate all popular sizes of microphones. A set of microphone springs are included. Suitable for remote studios of broadcasting stations and "Ham" stations. Shpg. Wt., 2 lbs. **\$3.95**

M13446—Your Cost Each.....

CRYSTAL MICROPHONE

A revolutionary development in microphone design. Operates on the piezo-electric principle. Does not require button current or polarizing voltage. A completely self-contained converter of sound pressure waves into electrical energy and contains no mechanical moving parts. No loose or lightly suspended parts. Not affected by position or movement. Frequency response from 20 to well over 8000 cycles. Works directly into the grid of the first tube of an amplifier if within 30 feet of microphone. Only a grid leak or volume control being used. May also be adapted to 200 and 500 ohm lines.

4M13437—Your Cost..... **\$30.00**

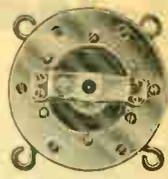


AMERICAN MICROPHONES



MODEL "SD"
A rugged two button microphone, built of only the finest material obtainable, with a very minimum of hiss. This unit uses a duralumin diaphragm .002 thickness, with pure gold contacts below each button, the same diaphragm as you obtain in the large A-1 unit.
Model "SD" has a frequency range from 30 to 6500 cycles, which is greater than that of competitive models, which use entirely Gold Plated Diaphragms, that cannot give you the frequency response desired. Buttons 100 ohm resistance each. Many of these "SD" models are in use in Broadcasting Stations throughout the country, producing very satisfactory results, with an increasing demand.

MODEL "A1"
An extra large two button microphone extremely rugged in construction, built especially for all broadcasting purposes. Only the best materials are used. The diaphragm is of special duralumin .002 thickness, with pure gold contacts on each surface under the buttons. This model is three and one-half inches in diameter, by one and three-quarter inches thick, the frequency range being from 30 to 7500 cycles; 100 ohms per button, requiring 6 volts with not over 10 mills per button. Very beautiful in appearance, being of bright nickel finish, highly polished. This microphone compares with any other microphone on the market in appearance and quality of tone. Each unit carefully inspected and tested before shipment, and shipped you under the American Microphone Company guarantee. Shpg. Wt. 4 lbs.



4M13394—List, \$50.00.
Your Cost

\$24.50

4M13395—List, \$72.00.
Your Cost

\$36.00

AMERICAN Double-Button Hand Microphone



Stretched diaphragm gold plated. Built particularly for use where portability is important, such as for home use, public address systems, music trucks, etc. Very rugged in construction. Impedance 100 ohms per button. Finished in sanded oxidized copper. Complete with 12-Ft. silk covered cable. Shpg. Wt., 4 Lbs.

2M13423—List, \$23.00
Your Cost, Each

\$10.45

AMERICAN Lapel Microphone

An extremely efficient and compact single button microphone, designed for attaching to the coat lapel or other garment of the speaker or entertainer. Such an arrangement is very desirable since it permits the speaker to move at will without leaving the pick-up radius of the microphone. Especially desirable for political speakers and ministers who find it advisable to move about on the platform during their talk. Diameter only 1 1/2 inches. Stretched diaphragm protected by woven wire screen. Black and enamel finish. Complete with 20-foot silk covered cord. Shpg. Wgt. 3 lbs.
2M13436—List, \$25.00
Your Cost, Each



\$9.75



AMERICAN Model "SJ" Single Button

A single-button unit designed to adequately cover the normal voice range within the 70 to 3000 cycle limits. Button has a resistance of 100 ohms. Shpg. Wgt. 4 lbs. Polished nickel finish. Standard sensitivity. List, \$12.50
4M13397—Your Cost

Kellogg Hand Microphone

The Kellogg single-button insulated from a more efficient, inexpensive yet sensitive hand microphone. It is used extensively for Studio Broadcasting, Public Address Systems, Offices and Hotels, Amateur S.W. transmitting, home recording and commercial recordings. Designed to operate into the usual 200 ohm input circuit. 3 volts at .010 to .015 amperes. Button resistance 200 ohms. The carbon button is thoroughly insulated from the microphone back with moulded Kellite, a phenol resin composition of high insulating qualities. The diaphragm is gold plated for perfect contact, made under very exact engineering specifications from the best phosphor bronze obtainable. Handle of cast aluminum. Equipped with two-conductor 18-strand tinsel cord, 6 feet long. Size, 6 1/2 inches high, 2 1/4 inches diameter of top. Shpg. Wt., 4 Lbs.
4M13435—Your Cost Each



\$3.45

AMERICAN Model "EL" Double Button



A two-button Microphone built for use where high standards of tone quality are desired. This unit uses a STRETCHED gold-plated diaphragm. It has an excellent frequency response. Impedance, 100 ohms per button. Beautifully finished in highly polished nickel. The biggest value in a two-button stretched diaphragm microphone on the market. Shpg. Wgt. 4 lbs.
4M13398—List, \$15.00. Your Cost

\$5.75

CONDENSER MICROPHONE KIT

The electrostatic microphone is undoubtedly the most desirable type at the present time. Better frequency response due to freedom from carbon hiss. Tone quality far superior to carbon type. No button current required. Not affected by movement or position. Brushed nickel frame, 2 3/4 in. diam. This kit consists of all necessary parts and sufficient diaphragm material for an extra diaphragm. Complete and simple instructions for building. Shpg. Wgt. 3 lbs.
3M13399—Kit of parts.
Your Cost
Factory assembled. Tested and approved. Ready for operation.
3M13396—Your Cost



\$5.95

\$6.95

MICROPHONE ACCESSORIES

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.



Stock No.	Length	Your Cost
2Q16101	6 Ft.	.35
2Q16102	12 Ft.	.59
2Q16103	25 Ft.	1.16
2Q16104	50 Ft.	2.15

PORTABLE MICROPHONE PLUGS

Made of special insulating material equal to Bakelite in dielectric properties. Has three plugs with banana spring expansion that make positive connection with standard jacks. Shpg. Wgt., 8 oz. Size 1 1/4 x 1 1/4 x 3/8 inches.



2M13004—Your Cost Each **40¢**
2M13005—Female Plug for above Your Cost **40¢**

MICROPHONE CONNECTORS

Three prong cable connectors. Perfect contact and 100% insulation. Prong arrangement permits assembly in one position only. 1 1/2 in. diameter. Shpg. Wgt. 1 lb.



2M13400—Socket Your Cost Each **59¢**
2M13401—Plugs Your Cost Each **44¢**

5 Wire Rubber Covered Shielded "Mike" Cable

Re-enforced with cord, rubber covered, stranded color coded microphone cable. Heavy cotton braid outer layer, ribbon sleeve shield, 1/4 in. live rubber covered completes this cable. Excellent for Condenser Mikes. For all outdoor temporary or permanent jobs.
4Q16100—Your Cost, Per Foot. **12¢**
Per 100 Feet, \$10.00.



UNIVERSAL Transformers

No. 1089—Matches impedance of all standard type carbon two-button microphones. Packed in individual cartons with wiring diagram. Shpg. Wt. 5 lbs. Price, Each, \$10.00.
2M13475—Your Cost **\$5.88**

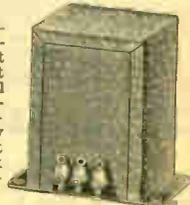


No. 1137—A matching transformer that can be used as microphone input or tube to line and in many other ways. Primary impedance combinations, 50 ohms, 100 ohms, 200 ohms; secondary impedance combinations, 2500 ohms, 5000 ohms, 10,000 ohms. Shpg. Wt. 5 lbs. List Price, \$12.00.
2M13476—Your Cost **\$7.06**

No. 1275—A single button microphone input transformer. Is 200 ohms on the primary side and 100,000 ohms on the secondary. List Price, \$5.00.
2M13477—Your Cost **\$2.94**

TRUTEST Microphone Transformers

Here at last is a microphone input transformer of the highest quality at a price that means substantial savings. These transformers are the regular \$10.00 type. They are brand new. Input Transformer to work with single button microphone.
4M13478—Your Cost—**\$1.45**
SPECIAL
Input Transformer to work with double button microphone. Shpg. Wt. 3 lbs.
2M13479—Your Cost—SPECIAL **\$1.95**

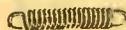


UNIVERSAL CABLES & PLUGS

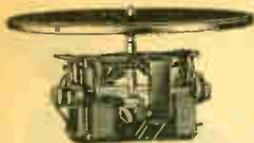
Rubber covered shielded microphone cables for outdoor use, over gravel, pavement, platforms or where crowds are walking. Fitted with genuine G.E. Bakelite connectors. Three conductor.

Stock No.	Length	List	Net.
2Q16105	6 Ft.	\$2.75	\$1.62
2Q16106	12 Ft.	4.50	2.65
2Q16107	25 Ft.	7.50	4.41
2Q16108	50 Ft.	12.00	7.06
2Q16109	100 Ft.	19.00	11.17

MICROPHONE SPRINGS
Best quality tempered steel, loop ends. Eight required for each microphone. Shpg. Wgt. 6 oz.
2M13402—Set of eight for **25¢**



PHONO. MOTORS AND ROTARY CONVERTERS



G. E. INDUCTION PHONO MOTOR

This motor has no brushes or commutator to create interfering noises in radio. Absolutely silent in operation. Powerful torque, instantaneous pickup. Even speed. Has governor and speed control. Extra heavy and sturdy. Suitable for heavy duty or home purpose. Simple three hole mounting, 12 inch turntable included. For 110 volt 50-60 cycle A.C. Shpg. Wt., 15 lbs. 2A113—List, \$25.00. **\$5.95**
Your Special Price

AUTOMATIC STOP

For Electric Phono Motors. Adjustable to operate at any point on record. Arm automatically trips switch which cuts off current to motor. Works with any type tone arm. **75c**
4A135—Your Cost Each.



New "Green-Flyer" Governor Controlled Two Speed Motor

33 1/2 or 78 R.P.M. for A.C. or D.C. Operation

A new induction type motor that may be adjusted for either old style recordings at 78 R.P.M. or the new 33 1/2 R.P.M. records. The shift from one speed to the other is accomplished by simply moving a lever. All gears are completely enclosed and run in oil. Silent spiral cut gears made from laminated Bakelite. Long over-size self lubricating bearings. Absolute uniformity of speed under severe variations of voltage and record drag. Will not overheat in closed cabinets. 10 inch turntable. Has dial and pointed needle indicator. Hardware nickel plated. Automatic stop available at slight extra cost. Shpg. Wt., 15 lbs. If 12 inch Turntable is desired with any motor listed, add 40c to net price and so specify.



With Two Speeds as described
2A100—For 105-120 volt 50-60 cycle A.C. List, \$25.00 **\$8.75**
Your Cost Each
2A101—As above for 110 volt D.C. operation. **\$14.25**
Your Cost Each
Without Two Speed Feature—
2A102—For 105-120 volt 50-60 cycle A.C. **\$6.95**
Your Cost Each
2A103—As above for 110 volt D.C. operation. **\$11.95**
Your Cost Each
YOUR AUTOMATIC STOP
2A135—Automatic stop attachment for any above motors. **75c**
Your Cost Each



BODINE MOTORS

The Bodine RC-12 has a motor of greater power and quicker acceleration. The new totally enclosed reduction gear has fewer parts and is more compact and efficient than last year's famous RC-10. Many other new refinements combine to make it one of the finest motors of its type. For use on A.C. 110 volt line only. Shipping weight 13 pounds. 2A108—List Price, \$25.00 **\$7.50**
Your Cost
BODINE SPECIAL 33 1/2 R.P.M.—Especially designed for constant speed equipped with 12 inch turntable. Induction type for 110 volt, 60 cycles A.C. current. 2A109— **\$7.50**
Your Net Cost

"BLUE FLYER" MOTORS

A slightly heavier and sturdier type than the "Green-Flyer". Recommended for non-synchronous sound or other heavy duty installations where a specially dependable motor is required. Very high torque, on actual test will out-pull any similar motor. Will not heat in enclosed cabinet. Complete with 12 inch turntable.

2A111—For 110-120 volt 50-60 cycle A.C. **\$7.95**
Your Cost, Each
2A112—For 220-volt 50-60 cycle A.C. **\$8.95**
Your Cost Each
SPECIAL BLUE FLYER
for 33 1/2 R.P.M.
For new style recordings and synchronous moving pictures. 2A114 **\$9.75**
Your Cost Each

Sapphire Recording Needle

Genuine White Oriental Sapphire stone. Hardness of 90% as that of the diamond. 4M13441—Type AW, cutting, grooving and recording on aluminum. **\$1.98**
Your Cost Each
4M13442—Type BV, recording and playback on Victor composition pre-grooved blanks, also pre-grooved aluminum. **\$2.25**
Your Cost Each



NEEDLE CUPS

Statuery bronze finish. Diameter 1 1/4 in. Open model has bowl only. Closed model has bowl and cover with hole.



2A130—Open Type **08c**
Each
Per Dozen **75c**
2A131—Closed Type **10c**
Each
Per Dozen **\$1.00**

EDISON PHONO NEEDLES

The best made. Steel. Medium, Loud or Extra Loud. Fifty to the package.

2A190— **6c**
Net per Pkg.
10 Pkgs. for **55c**
Also in metal enamel display stand, holds 60 packages; 2 dozen Extra Loud, 1 dozen Medium and 2 dozen Loud; Each package containing 50 needles. **\$2.95**
4A191—Your Cost, Special

National Scratch Filter

Filters needle scratches from electric pickups. Improves tone. Black crystalline case. Has standard pin tip jacks. Shpg. Wt., 2 lbs. List, \$5.50.



4A115— **\$3.24**
Your Cost Each

JANETTE Rotary Converters



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

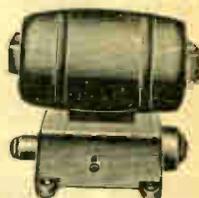
Stock No.	Output Watts	Input Amps.	Your Cost
32 Volt D.C. to 110 Volt, 60 Cycle A.C.			
4Y19806	80	5.4	\$28.00
4Y19800	110	6.5	34.25
4Y19801	150	8.5	37.95
4Y19802	300	15.	51.95
110-115 Volts D.C. to 110 Volts, 60 Cycle A.C.			
4Y19807	80	1.5	\$28.00
4Y19803	110	1.9	35.00
4Y19804	150	2.4	38.75
4Y19805	300	4.0	53.00

ESCO Power Plants



For Home or Farm use, Public Address Trucks, Yachts, etc. Oversize vertical air-cooled motors. Splash and force feed lubrication. Bronze backed babbit bearings. Air cleaner prevents dust from being drawn into motor. Generators rated for continuous operation with wide safety margin. Both motor and generator have protective end coverings. Ball bearing generator. Coupling specially designed to prevent whip between motor and generator. Channel iron base. "V" ring commutator. Drip-proof construction throughout. Delivers 110 volt 60 cycle A.C., single phase. Stock No. V-A Output Net Wt. Your Cost
2Y19822 250 165 **\$116.50**
2Y19823 500 220 **143.50**
2Y19824 750 325 **213.25**
2Y19825 1200 410 **239.50**
Above prices cover motor and generator; only; if Filter System and Switch Board are desired order from following list. 2Y19827—Switch Board with all live parts completely enclosed in steel boxes, a voltmeter and switch, fuses and regulator for controlling voltage. For any of the above plants. **\$23.50**
Your Cost
2Y19828—Filter System for preventing interference from generator reaching radio or amplifier. For 250 and 500 V. A. plants. **\$18.25**
Your Cost
2Y19829—Filter System for 750 and 1200 V. A. plants. **\$23.50**
Your Cost

ESCO Rotary Converters Complete with Filters



D.C. to 110 volt 60 cycle A.C.

For operating A.C. Radio Receivers and Amplifiers from direct current. Provides as good or better results as from 60 cycle A.C. lighting sockets. Objectionable noises in loud speaker are prevented by means of an efficient filter system. Wool packed sleeve bearings require very little attention. Completely protected construction. Plug receptacles. Rugged mechanical construction.

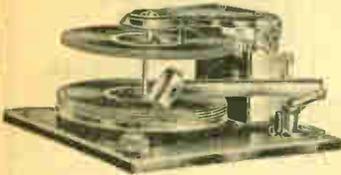
Stock No.	Watts output	Net weight	List Price	Your Cost
12 Volts D.C. to 115 Volts 60 Cycle A.C.				
2Y19809	150	65	\$82.00	\$62.50
32 Volts D.C. to 115 Volts 60 Cycle A.C.				
2Y19810	150	46	62.00	43.10
2Y19811	200	51	68.50	45.00
2Y19812	300	56	75.00	49.00
2Y19813	400	62	92.00	60.00
110 Volts D.C. to 110 Volts 60 Cycle A.C.				
2Y19814	120	37	50.00	36.25
2Y19815	200	46	66.50	46.50
2Y19816	300	51	72.00	50.95
2Y19817	500	62	92.00	63.50

We can supply converters of voltages and frequencies other than standard at slightly higher prices. Write us for information and prices on any Generator, Converter or Power Plant not listed on this page.

ELECTRIC PICK-UPS AND ACCESSORIES

CAPEHART AUTOMATIC RECORD CHANGER

DUAL SPEED
33-1/3 and 78
r.p.m.



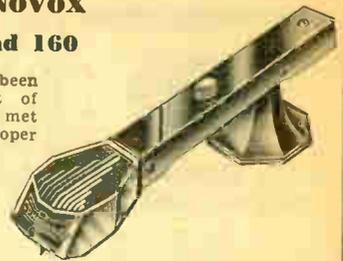
Excellent for home, public address systems and ballrooms. Equipped with the New Electrical Transcription Pick-up. Using ten of the New long playing "Victor 12" records, you can listen to 4 hours of music without a stop.

Your favorite recorded selection right at your finger tips—without fuss or bother. Completely automatic, plays 10 and 12-in. records. The last record repeats until restacked or when master switch is turned off. An encore may be had of any record merely by raising magazine to perpendicular position. Additional equipment includes a reject device and unloading lever. This Model No. 10-12C entirely fool-proof. Base dimensions 14"x14 1/4" ins., height above mounting board 7 1/4 ins., depth below 3 1/8 ins. Shpg. Wt., 30 lbs.

4S17750—Your Cost \$62.75
Special Pick-Up Matching Transformers, 5 terminal, makes it possible to match the pick-up impedance with most radio sets and amplifiers. Shpg. Wt., 6 lbs.
4A403—Your Cost \$4.75
The same as above, except for 78 R.P.M. operation only.
4S17751—Your Cost, Each \$57.50

PACENT PHONOVOX

Models 120 and 160



The Pacent Phonovox has been rightly termed the finest of electrical pickups. It has met every requirement for the proper reproduction of standard 78 R.P.M. and the new 33-1/3 R.P.M. recordings. Ordinary pickups will not play these new records because they require much less needle pressure. The new Phonovox is equipped with a thumb screw which adjusts this pressure from zero to five ounces. The pickup therefore can be readily adjusted for either type. In appearance it meets with the new modernistic trend of design and will add to the attractive appearance of any radio combination with which it is used.

2A150—No. 120 Phonovox for playing 10 or 12 inch records; complete with adapter, wafer adapter and combination volume control and radio-record changeover switch. Shpg. Wt., 5 Lbs. **\$7.94**
List, \$13.50—Your Cost Each
2A151—No. 160 Phonovox with 16 inch tone arm for playing larger records; equipped as described above. **\$9.40**
List Price, \$16.00—Your Cost Each

RCA-VICTOR BALANCED PICK-UP

The RCA-Victor 200 ohm balanced pick-up used in the late models of RCA Victor receivers and the T-5 Electrola. Adapted for all power amplifiers and radio sets. Wonderful



Tone Quality reproduced by this pick-up. Complete with Radio-Phono. switch and volume control. Less matching transformer. Shpg. Wt., 7 lbs. **\$7.50**

4A140—Your Cost, Special
Special Matching Transformer; adapts the above pick-up to all classes of inputs. Shpg. Wt., 1 lb. **\$1.50**
4A142—Your Cost

AUDAK Model 30 PICKUP

Reduced to \$4.95 Net



A very fortunate purchase enables us to offer this celebrated Audak Model 30 Chromatic Pickup at a fraction of its customary price. Universally recognized as one of the finest obtainable. Less volume control. Shpg. Wt., 5 lbs.

2A145—List Price, \$21.50
Your Cost Each **\$4.95**

NEW IMPROVED LAFAYETTE PICK-UP

Dual Speed:
33-1/3 or 78 r.p.m.



Designed to meet the needs for playing both 33-1/3 and 78 r.p.m. records with the same pick-up. In tonal quality, in range covered, in simplicity of installation and in ease of operation, the New Lafayette electric pick-up is vastly superior to all existing forms of phonograph electric pick-up devices. A scientifically developed instrument which reproduces with absolute fidelity the intricate chromatic elements of the most difficult musical compositions. Unique in that it is rubber damped providing absolutely clear reproduction free from the customary pick-up noises. Many exclusive features have been incorporated into the manufacture of the Lafayette Super-Pick-up, no effort having been spared in its preparation. Available in 2500 or 5,000 ohms impedance. Specify type when ordering. Shpg. Wt., 5 lbs.

4A138—Complete with Volume Control.
Your Cost, Each **\$6.75**

WINCHESTER Electric Pick-Up

For 33-1/3 and 78 r.p.m.



Records
This Pick-up is ruggedly built of highly polished Bakelite throughout. Matchless fidelity of tone with response from very low to extremely high frequencies. Angle tone arm with Ball Bearing Tracking. Equipped with thumb screw which adjusts the pressure of the Pick-up on the record from full weight to featherweight contact. Rotating Head permits easy and rapid needle change. Equipped with Volume Control which is smooth and silent in operation. Furnished only in high impedance. Shpg. Wt., 3 Lbs. **\$4.75**

4A141—Your Cost, Special

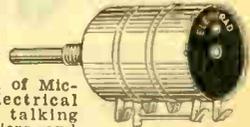
PICK-UP Volume Controls



Made for use with phono pick-ups, power amplifiers and "mike" hook-ups. Completely controls volume. 24 inches phone cord. **2G8399—List Price, \$2.50**
Your Cost **90¢**

ELECTRAD ROYALTY "T" PAD ATTENUATORS

Electrad Constant Impedance "T" Pad Controls are useful for the volume control of Microphones, electrical phonographs, talking picture amplifiers and other sound amplifying and distribution systems. Constant impedance is maintained throughout the adjustment of knob. Fully inclosed, providing complete protection from dust.



Stock No.	Line Imped. in Ohms	Stock No.	Line Imped. in Ohms
H7705	15	H7708	3000
H7706	200	H7709	5000
H7707	500		

All Sizes, List, \$5.00
Your Cost, Each **\$2.94**

"L" PAD ATTENUATORS

Similar in appearance to above, except has two gang control instead of three. A specially designed control providing constant impedance to the line. It is recommended for low impedance systems, such as output control of moderate power and input to small public address systems. The panel unit is the series resistor and rear unit is the shunt resistor.

Stock No.	Line Imped. in Ohms	Stock No.	Line Imped. in Ohms
H7700	15	H7703	3000
H7701	200	H7704	5000
H7702	500		

All Sizes, List \$3.00
Your Cost, Each **\$1.65**

EDISON RECORD ALBUM



Substantially made and durable, bound in dark brown buckram. Handsomely embossed and ornamented in genuine gold leaf. Holds ten 10-in. records and protects them from dust and wear. Pockets are numbered for index purpose. Index in back for easily locating record wanted.

Size: 10 1/2 x 12 x 2 3/4 ins. thick. Shpg. Wt., 3 lbs.
A198—Your Price, Each **48¢**

FOR 12-INCH RECORDS
Same as above but for ten 12-in. records.
A199—Your Price, Each **68¢**

CRL MODU PLUGS

A Volume Control resistance housed in an attractive bakelite case. Provides an attractive portable or remote volume control.



Standard style Modu Plug with stem for jacks
H9011—(Illustrated) Modu Plug with 24-inch phone cord.
H9012—Your Cost, either type **95¢**

ALUMINUM RECORD BLANKS FOR RECORDING

The records are aluminum discs and will faithfully record the voice of any person, music or sounds of any type. They can be used to record on both sides and when played with the proper bamboo needles are practically indestructible.



Stock No.	Size	Your Cost Each
A200	6 inches	\$.12
A201	7 1/2 "	.19
A202	10 "	.33
A203	12 "	.48

Pre-Grooved Aluminum Records

Stock No.	Size	Your Cost Each
A204	6 inches	\$.30
A205	7 1/2 "	.45
A206	10 "	.59

RECORDING NEEDLES

A special designed Steel Needle, for cutting or grooving and recording on aluminum records.

A210—Your Cost, Package of 5 **15¢**

REPRODUCING NEEDLES

Bamboo needle for playback on aluminum or composition records.

A211—Your Cost, Package of 5 **20¢**

BATTERIES—FUSES AND RECTIFIERS

EVEREADY "A" "B" & "C" BATTERIES



Layerebilt Batteries are now the same price as ordinary batteries—they are far superior and have been higher in price until now.

Stock No.	Fact'y Volts	Size In. Long-Wide-High	Unit Pkg. Quan.	List Price.	Dealers' Net Price Each in Less than Unit Pkg. Quan.	Dealers' Net Price Each in Unit Pkg. Quantities	Shpg. Wt. Each
SUPER "B" BATTERIES							
2Y19951*	486	45 8 1/2-4 3/8-7 1/8	5	\$2.95	\$2.28	\$1.95	17
2Y19974	870	45 8 1/2-4 3/8-7 1/8	5	2.60	2.00	1.82	15
STANDARD "B" BATTERIES							
2Y19950*	485	45 8 1/2-3 1/2-7 3/8	5	\$1.95	\$1.51	\$1.37	12
2Y19954	872	45 8 1/2-3 1/2-7 3/8	5	1.75	1.35	1.23	11
2Y19962	779	22 1/2 4 1/2-3 1/2-7	5	1.50	1.16	1.05	7
2Y19963	766	22 1/2 6 1/2-4 3/8-7	5	1.50	1.16	1.05	11
2Y19960	763	22 1/2 3 3/8-2 1/2-7	5	1.50	1.16	1.05	3
"C" BATTERIES							
2Y19957	771	4 1/2 4 1/2-1 1/2-3 1/2	10	.40	.31	.28	3
2Y19958†	771T	4 1/2 4 1/2-1 3/8-3 1/2	5	.50	.38	.35	3
2Y19966	773	7 1/2 4 1/2-1 3/8-2 1/2	5	.75	.53	.53	3
2Y19956	768	22 1/2 4 1/2-2 1/2-2 1/2	5	1.25	.97	.88	3
"A" BATTERIES							
2Y19972	7111	1 1/2 6 x 2 1/2	25	.50	.40	.35	3
PORTABLE BATTERIES							
2Y19959	762	45 4 1/2-2 1/2-5 1/2	5	\$2.25	\$1.74	\$1.53	6
2Y19965	781	4 1/2 2 1/2-1 1/2-2 3/4	5	.40	.31	.28	3
AUTOMOBILE BATTERIES							
2Y19970	796	45 8 1/2-3 1/2-7 1/8	5	\$2.25	\$1.74	\$1.58	11
LAYERBILT 14 Fahnstock Clips at +1, -1 1/2, -3, -4 1/2							

EVEREADY AIR CELL



Developed to supply filament current to the new type '30, '31, '32 and '33 two-volt tubes. Inasmuch as the electrical characteristics of these new tubes differ in several respects from those of other tubes, the Eveready Air Cell Battery is not suitable for use with receivers employing other tubes. Because of the fact that the normal voltage of the cell is slightly higher than that actually required by the tubes it is guaranteed only when used in connection with a standard receiver designed for it. If purchased for use with a built up receiver special care should be taken to insert suitable resistors to keep voltage down to that actually required by the tubes and to design the receiver so that the maximum drain will not exceed .65 amperes, otherwise tubes and battery may be seriously damaged. Cell will deliver upward of 1,000 hours' service to 7-tube receiver when used on a basis of 2 1/2 to 3 hours per day. Shpg. Wt., 33 lbs.

2Y19973—List Price \$8.50. Your Cost Each. **\$5.95**

MARK-TIME SWITCHES



These automatic time control switches have many applications: in turning current on or off at any pre-determined time. Has external dial marked in 15-minute divisions, which upon being rotated automatically delays the action of the switch according to the extent the dial is rotated. May be set for any period of delay up to 12 hours. Will turn current either on or off. Mechanism enclosed in attractively finished Bakelite case. Ideal for Battery Chargers, Electrical Appliances, or the Radio. No wiring necessary to connect. Shpg. Wt., 4 lbs.

4V18180—Table Model, size 5 1/2 x 3 1/4 x 2 3/4 inches. List Price, \$6.85. Your Cost, Each. **\$4.69**

Wall Model



Operates on same principle as above model except that mechanism is designed for installing in standard wall flush box. Capacity 10 amps. at 125 volts. Underwriters Lab. approved. Complete with Bakelite wall plate. Shpg. Wt., 2 lbs. **\$3.09**

4V18181—List, \$1.50. Your Cost Each. **\$1.09**

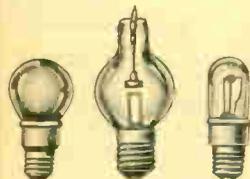
EXIDE RADIO BATTERIES

There is no better storage battery made than the Exide. Those listed below are made especially for radio uses and are fully guaranteed to give you service which is satisfactory in every way. Cases are of one-piece hard molded composition warranted not to crack or leak. We list various sizes and voltages to meet every radio requirement.



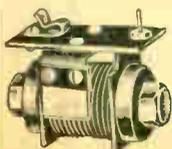
Stock No.	Voltage	Capacity	Plates	Your Cost
2Y19776	6	50 AHR	5	\$7.45
2Y19776	6	75 AHR	7	9.25
2Y19777	6	100 AHR	9	11.25
2Y19778	6	125 AHR	11	13.25
2Y19779	6	150 AHR	13	14.95
2Y19780	4	50 AHR	5	6.75
2Y19781	2	100 AHR	9	5.75

G. E. TUNGAR BULBS



Stock No.	Type	List	Net
2Z21900	Trickle	\$4.00	\$2.80
2Z21901	2 amp new	4.00	2.80
2Z21902	2 amp old	4.00	2.80
2Z21903	5 amp.	8.00	5.60
2Z21904	6-12 amp.	8.00	5.60

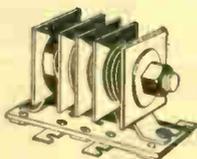
PHILCO-ELKON Replacement



Type
XP-
12

A dry metallic rectifying unit for Philcotron A and AA; replaces wet jar rectifiers in these units. Also suitable for Philco Trickle Chargers, "A" Powers, and "A" and "B" eliminators. Shpg. Wt., 3 lbs.

2A430—List, \$4.00 **\$2.35**
Your Cost Each



ELKON Replacement RECTIFIERS

The recommended replacement unit for Majestic "A" eliminators. May also be used on following eliminators: Mavolian, Elkco, Philco, Webster, Knapp, General Inst., Metro, Fada, Bernard, Sentinel, and Briggs & Stratton. 3 amps. Shpg. Wt., 4 lbs.

2A431—Type XB16 **\$3.75**
List, \$7.00—Your Cost

RADIO AND AUTO FUSES

Available in 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30, amp. sizes. Shpg. Wt., 4 oz. **4L12375**—Tin of 5 (any one size) Your Cost **14¢**



G.E. MAZDA PILOT BULBS



Tubular shape, miniature base. Shpg. Wt., 1 lb.

Stock No.	Voltage	Each
L12250	2.5	9¢
L12251	3.2	
L12252	6	

10 for **.88c**

TUNGAR TYPE BULBS



First quality, thoroughly reliable units for use in chargers, "A" eliminators, etc. Guaranteed new and perfect merchandise.

4Z21905—6 amp. bulb for Trickle Chargers. Your Cost Each **\$1.70**

2Z21906—2 amp. bulb with tip. Your Cost Each **\$1.90**

2Z21907—2 amp. bulb without tip. Your Cost Each **\$1.90**

2Z21908—5 amp. bulb. Your Cost Each **\$4.75**

HYDROMETER



A well made, dependable and accurate reading Hydrometer with live red rubber bulb and nozzle; beaded float. Shpg. Wt., 3 lbs. 2P15694—Your Cost **\$3.25**
Each

BATTERY CLIPS



Lead coated clips. Heavy spring, positive contact jaws. Size, 1 1/2 ins. long.

4Q16060—10 for 28c; Per Pair **06¢**

4Q16061—1 3/4 ins. long. 10 for 35c; Per Pair **08¢**

4Q16062—2 1/2 ins. long. 10 for 50c; Per Pair **11¢**

4Q16063—3 3/8 ins. long. 10 for \$1.00; Per Pair **22¢**

B-L Rectifying Units



Type "B" full-wave rectifying units are made for such devices as dynamic speakers, "A" powers, battery chargers, signaling equipment, etc. Type B-12 is for such "A" eliminators as Acme, Sterling, Arco, Stewart, France, Galvin, Green-Brown, etc. and for such chargers as Knight, Valley, Webster, etc. Type B-16 is for Green-Brown, TYPE D Norden-HAUCK No. 3A, Tobe Deutchman, Webster, Valley type DMA, etc. Shpg. Wt., 3 lbs.

4A435—Type B-12 **\$2.50**
List, \$4.50—Your Cost

4A436—Type B-16 **\$2.75**
List, \$5.00—Your Cost

STERLING "B" POWER SUPPLY for 3 to 8 Tube Sets



The Sterling R-81 "B" Socket Power Unit takes the place of dry or storage "B" batteries. It is designed for sets using 6 or 7, 201A tubes. It will often operate as many as 8 tubes including a power tube on well built sets that have proper "C" batteries. Has four binding posts giving 2 1/2 to 135 volts at 50 mls. Efficient filter circuit eliminates hum. Dark green crystalline steel case 7 1/2 x 4 x 6 inches. Uses B-H type rectifying tube. Shpg. Wt., 12 lbs.
4P15692—For 50-60 cycle 110 volts A.C. List Price, \$24.00. Your Cost. Complete with B-H Type Tube **\$5.98**

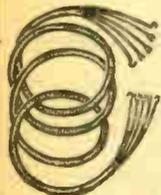
BALKITE AND ABOX Power Units and Parts



No better Power Units were ever made than the famous Balkite and Abox; they are the kind for which the demand never ceases. We are fortunate in being able to offer our customers brand new completed units in these lines as well as the original replacement parts for them—and our prices are the very lowest!

- 2P15675**—90 Volt Balkite "B" Eliminator. List \$35.00. Your Cost **\$3.95**
- 2P15676**—135 Volt Balkite "B" Eliminator. List \$35.00. Your Cost **\$7.95**
- 2P15677**—180 Volt Balkite "B" Eliminator. List \$42.50. Your Cost **\$9.95**
- 2P15678**—"A" & "B" 6-135 volt Balkite Combination Unit. List \$64.50. Your Cost **\$15.95**
- 2P15679**—"A" & "B" 6-180 volt Balkite Combination Unit. List \$74.50 Your Cost **\$16.50**
- 2P15680**—Model KX-135 "B" Eliminator and Trickle Charger. List \$59.50. Your Cost **\$6.75**
- 2P15681**—Model K 1/2 Amp. Trickle Charger. List \$10.00. Your Cost **\$3.35**
- 2P15682**—Model N, 8 Amp. Trickle Charger. List \$12.00. Your Cost **\$5.50**
- 2P15683**—Model H, 2 1/2 Amp. Trickle Charger. List \$17.50. Your Cost **\$6.50**
- 2P15684**—Abox "A" Eliminator 6 Volts. List \$35.00. Your Cost **\$11.95**
- 2P15685**—One filling Electrolyte for Balkite 90 or 135 volt Elim. or Trickle Charger. List 75c. Your Cost **44c**
- 2P15686**—One filling Electrolyte for Balkite H, J, N Chargers and 180 volt Elim. List \$1.00. Your Cost **59c**
- 2P15687**—One filling Koh Solution for Balkite or Abox "A" Elim. List \$1.50. Net **88c**
- 2P15688**—Glass Cell Assembly for 90 and 135 v. Elims. List \$8.00. Your Cost **\$4.71**
- 2P15689**—Glass Cell Assembly for 180 Volt Elims. List \$10.00. Your Cost **\$5.88**

BATTERY CABLES



Five ft. cables complete with terminals.
2Q16085—7 Conductor. Your Cost Each **40c**
2Q16086—8 Conductor. Your Cost Each **45c**
2Q16087—9 Conductor. Your Cost Each **50c**
2Q16088—10 Conductor. Your Cost Each **55c**

Battery Cables by the Foot

A high grade, well insulated cable. Each lead a different color for easy identification.

No.	Wires	Per Ft.	100 Ft.
2Q16089	3	3c	\$2.50
2Q16090	4	3 1/2c	3.00
2Q16091	5	4c	3.50
2Q16092	6	4 1/2c	3.95
2Q16093	7	5 1/2c	4.55
2Q16094	8	6 1/2c	5.15
2Q16095	9	7c	5.80
2Q16096	10	8c	6.35

ELIMINATORS - BATTERY CABLES AND ACCESSORIES

DUMONT BONE DRY "A" ELIMINATOR

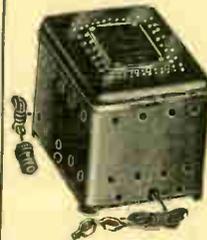
Delivers 6 volts at 2 1/2 amperes, sufficient current to operate ten tubes. Efficient filter system which eliminates hum. Uses B-L dry rectifier. Has outlet for "B" eliminator and on-off switch. G-E Control Rheostat provides positive regulation of current.
4P15690—For 50-60 cycle, 110 volts A.C. Your Cost Each **\$8.90**
4P15691—For 25-40 cycle, 110 volt A.C. Your Cost Each **\$12.70**



ELKON TAPERING CHARGER

25-40-50-60 Cycle 110-120 volt.

\$2.25 Net



The original Elkon Tapering Charger. Keeps the storage battery in just the right condition at all times. Charging rate varies with condition of battery—automatically adjusts itself to proper output. Maximum charging rate 1 ampere. Absolutely dry and noiseless. No corrosion or acid to spill. Requires no attention. Uses Elkon full wave rectifying unit which lasts 5000 hours under average conditions. Steel case, size 4 1/2 x 6 x 5 In. high. For 6 volt batteries. Shpg. Wt., 9 lbs.
P15695—Your Cost Each **\$2.25**

NATIONAL VELVET "B" Eliminator

This rugged unit has been designed with liberal factors of safety in all component parts. It is the only power supply, at this price, employing the long lived UX-280 full wave rectifier tube. Operates 1 to 6-tube sets, including power tube. Provided with protective voltage adjustments, adjustable taps giving the following voltages: 22-45 for detector, 45-90 for r.f., 90-135 for Audio and full 180 volts at 35 M.A. for Power Tube (Non-adjustable). Fully licensed under R.C.A. patents. Silent, Hum-free output. Black crystalline case.
2H14380—List \$26.50. Your Cost with Tube **\$11.50**

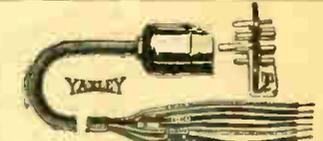
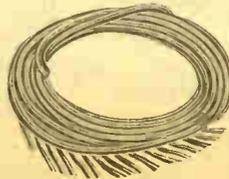


SUPER VELVET "B"

A strictly heavy duty unit with output of 70 M.A. at 180 volts. Similar in appearance and operation to the above unit except that the 180 volt output is adjustable. Its output of 70 M.A. is sufficient to furnish current to receivers of from 1 to 9 tubes. Black crystalline steel case.
2H14381—List \$39.50. Your Cost with Tube **\$23.22**

Kolster 15 Conductor, 50 Ft. Stranded Cable

50 ft. stranded, 15 conductor, shielded cable. Each conductor 7 strand, flexible rubber braid covered. Tinned ends. Two conductors used for pickup or microphone completely shielded with flexible braid copper, which in turn is cotton braid covered and brought out to lead for grounding. Color coded leads. Ideal for Public Address and Power Amplifier systems. Shpg. Wt., 10 lbs.
Q16097—Your Cost, Special **\$1.95**



YAXLEY CABLES AND CONNECTORS

Brings battery wires to set in one compact cable, easily disconnected for cleaning. Can not be connected improperly. R.M.A. color coded; tagged cables. Sub-panel types have bracket type male and round Bakelite female plugs.
2F6400—Seven Conductor Cable 5 ft. long for sub-panel mounting. List \$3.00. Your Cost **\$1.76**
2F6401—Twelve Conductor Cable 4 ft. long for sub-panel mounting. List Price \$5.00. Your Cost **\$2.94**
2F6402—Seven Conductor Cable 5 ft. long with receptacle, no bracket. List Price \$2.25. Your Cost **\$1.32**
2F6403—Mounting Bracket only. List 75c. Your Cost **44c**

YAXLEY RADIO CONVENIENCE OUTLETS

Loud Speaker and Duplex A.C. Outlets
 Phone Jack and two A.C. Receptacles. No. 242.
4F6416—Brass
4F6417—Bakelite
 List \$2.00
 Your Cost, Each **\$1.18**



Antenna and Ground Outlet Two Pin Jacks marked "Ant." and "Gnd." No. 156
4F6406—Brass **4F6407**—Bakelite
 List \$ 75
 Your Cost, Each **44c**



For Aerial, Ground and Duplex A.C. Two Pin Tip Jacks and two A.C. Receptacles. No. 256.
4F6414—Brass
4F6415—Bakelite
 List \$1.50.
 Your Cost, Each **85c**



FOR AERIAL, GROUND AND A.C. OUTLET Two Pin Tip Jacks and Single A.C. receptacles. No. 133.
4F6420—Brass **4F6421**—Bakelite
 List, \$1.35. Your Cost **79c**

Volume Control and Loud Speaker Regulates volume on each separate reproducer. No. 131
4F6422—Brass **4F6423**—Bakelite
 List \$2.75
 Your Cost, Each **\$1.62**



Two Jacks for Dual Channel System. Both marked "Radio". For Speaker Connection. No. 142.
4F6408—Brass **4F6409**—Bakelite
 List \$1.75
 Your Cost, Each **\$1.03**



For Loud Speaker or Head Phone Connection No. 135. Single Jack Marked "Radio."
4F6404—Brass **4F6405**—Bakelite
 List, 90c.
 Your Cost Each **53c**



Seven Conductor Jack With Plug For battery cables and miscellaneous uses. No. 137.
4F6410—Brass **4F6411**—Bakelite
 List Price, \$2.50.
 Your Cost, Each **\$1.47**



INTERFERENCE FILTERS - VOLTAGE and TONE CONTROLS

INSULINE POPULAR FILTERVOLT

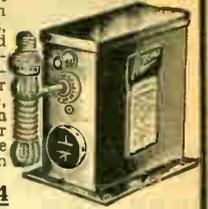


This model Filtervolt has more than twice the capacity of the Filtervolt, Jr., and is especially recommended for use in cases where the capacity of the Filtervolt, Jr., is not sufficiently large to eliminate all the noises. This Model can be installed either at the radio set, or at the source of the apparatus causing the disturbance. It is constructed of heavy duty condensers, making it an ideal noise eliminator for disturbances caused by electric heating pads, irons, toasters, vacuum cleaners, sewing machines, motors up to ½ horsepower, etc. Size, 3¼x4½x5 inches. Shpg. Wt., 7 lbs.

4L12617—Your Cost **\$2.80**

AEROVOX INTERFERENCE FILTER

Receiving sets are afflicted with a great many troublesome noises coming from electric signs, motors, washing machines, oil burners, etc., which can be eliminated by connecting this device between the receiver and the power supply. More effective when used in series with the power line supplying the interfering machine, yet accomplishes remarkable results when used at the radio outlet. A necessity for satisfactory reception in localities where noises are very pronounced. Complete with power cord. Shpg. Wt., 4 Lbs.



2P3550—List, \$5.00. **\$2.94**
Your Cost Each

I.C.A. Senior FILTERVOLT

A heavy duty model which filters out man-made static caused by electric signs, large electric motors, oil burners, and other larger machines. Can be used on all types of sets either A.C. or D.C. Housed in a neat metal japanned case size 5½x6½x3½ inches. Equally effective on 25-60 cycle, 32-110 volts A.C. Complete instructions furnished. Shpg. Wt., 8 Lbs.



2L12618—List, \$15.00. **\$8.45**
Your Cost Each

RCA UNIVERSAL FILTER UNIT—TYPE "A"

"Special" While They Last



125 Volts A.C. or D.C.

Made by The Radio Corporation of America. This Universal Filter Unit is a small, compact, semi-portable unit to be used with motors, heating pads, contact devices, violet ray apparatus, etc. The filter is capable of carrying a continuous current of 2½ amperes at 125 volts A.C. or D.C. A six-foot extension cord complete with attachment plug is provided. A binding post is provided on the end of filter unit and, whenever used in conjunction with a motor, connection should be made between post and motor frame, otherwise connect from post to a good ground connection. Completely sealed in a metal case, finished in a pleasing bronze lacquer. Size, 5½ x 2¾ x 2¾ inches high. Shpg. Wt., 5 lbs.

4B550—List, \$4.50. **\$2.45**
Your Cost, Special

AEROVOX Interference Filter Type IN-26



A lighter duty unit than the above. Very effective in reducing the noises in radio sets produced by electric fans and similar small machinery. Suitable for any 10 Volt A.C. Line, 110 Volts A.C. Shpg. Wt., 1 Lb.

2D3551—List, \$2.25—Your Cost... **\$1.32**

AEROVOX TYPE IN-25 Interference Filter

This Unit can be installed at any wall outlet, the screw which mounts it on the wall plate serving as the ground connection to the grounded conduit box. It is recommended for use with stationary equipment such as fans, radio receivers, etc., which do not require long extension leads. For 200 volt D.C. 110 Volt A.C. Shpg. Wt., 1 Lb.



4D3552—List \$1.75. Your Cost... **\$1.05**

I.C.A. SERVICE MODEL FILTERVOLT



The Service Model embodies the same principles of construction and filtering condensers as the Senior Model, except that it is filtered on one side of the line.

Reversing plug at outlet to obtain the best filtering results. Metal case, size, 4½ x 6 x 3¼ inches. Shpg. Wt., 5 lbs.

4L12622—List, \$7.50. **\$4.25**
Your Cost

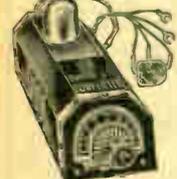
I.C.A. UTILITY FILTERVOLT

Specially designed for use on all types of 110 volts A.C. or D.C. electrical appliances which require a combined inductive and capacity type filter. Especially recommended for oil burners, electric refrigerators, blinker signs, dental motors, and chargers. Maximum Potential, 110 volts A.C. or D.C. Maximum current, 5 amperes; Maximum Load, 500 watts. Size, 6 x 9 x 3¼ inches. Metal Case. Shpg. Wt., 10 Lbs.



4L12623—List, \$15.00. **\$8.40**
Your Cost

I.C.A. SUPER SHORT WAVE CONVERTER



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

4L12627—Your Cost Each

I.C.A. Jr. FILTERVOLT

Eliminates noises from the radio caused by heating pads, switching on and off lights, toasters, vacuum cleaners, etc. Plugs into power supply outlet and has receptacle for inserting radio power cable. Small, neat and compact. Shpg. Wt., 2 Lbs.



2L12617—List, \$3.00. Your Cost... **\$1.70**

UNIVERSAL RESISTOVOLT



Protects tubes, condensers and reduces hum by counteracting line voltage surges. Made by I.C.A. Shpg. Wt., 8 oz.

2L12619—For sets using 6 tubes or less. **75¢**
2L12620—For sets using more than six tubes. List Price, \$1.50.
Your Cost (either)

AUTOMATIC LINE VOLTAGE CONTROL



A dependable voltage regulator. Small, neat, compact. Fits standard outlet. For all AC sets up to 9 tubes. Keeps voltage proper value at all times. Steel clad, air-cooled. Shipping weight, 8 Oz.

2R16955—List, \$1.25, Your Cost... **35¢**

I.C.A. VARITONE



A new product not to be confused with other type tone controls. A scientifically designed device that will make even old and inferior receivers bring out the deep tones and delicate shadings as pleasingly as the new ones. Equipped with two flexible leads and adaptors that fit beneath the power tubes. May be used on sets having either single or double power tubes. Attractively finished case. No tools needed to install. Full directions furnished. Shpg. Wt., 2 Lbs.

2L12614—List Price, \$3.00. **\$1.76**
Your Cost Each

Panel Mount VARITONE



Functions the same as the above except that it is designed especially for those who desire to mount a Tone Control on the panel of the radio set. All that is necessary to connect is to drill a ¾ inch hole in the panel, mount the Varitone and connect the adaptors under the power tubes. Where only one power tube is used the second adaptor is cut off and connected to the ground post of the receiver. Shpg. Wt., 2 Lbs. List, \$2.25. **\$1.32**

2L12615—Your Cost

CLAROSTAT PORTABLE



Tone Control

Permits the addition of this very desirable feature to all new and old receivers or electric phonographs not equipped with Tone Controls. Can be added without the necessity for making

soldered connections or mounting the unit on the panel. Consists of a variable resistance housed in a neat case. Has two leads and wafers which fit between power tubes (or tube) and sockets. Easily installed without tools by anyone. Shpg. Wt., 3 Lbs.

2F6800—List price, \$2.35. **\$1.35**
Your Cost Each

PANEL MOUNTING TYPE

Mounts in single hole on panel. 1¼ inches in diameter, projects back of panel ¼ inch. Fibre cover. Graphite element. No leads or adaptors. Shpg. Wt., 2 Lbs.

2F6801—List, \$1.50. **85¢**
Your Cost Each

2F6802—Adapters and Flexible leads for above. Shpg. Wt., 8 Oz. List, 50¢. **29¢**
Your Cost per Pair

READRITE A.C. LINE VOLTAGE REGULATOR



Very desirable for use ahead of A.C. radio sets where line voltage fluctuates. Saves tubes and condensers. Has dial and rheostat by means of which voltage may be adjusted to exactly 110 volts, portion of dial above this mark being in red, it is easy to notice when voltage rises above the danger mark. Baked enamel finish. Shpg. Wt., 3 Lbs. List, \$6.50. **\$3.70**

2K1105X—Your Cost

Refer to Page 86 for a Complete Line of Clarostat Replacement Line Ballast and Voltage Controls

RCA VICTOR-RADIOLA and POWER STROMBERG-CARLSON TRANSFORMERS

Radiola Models 17, 18, 33, 50, 51; Brunswick 2KRO, 3KRO, 3KR6, 5KR, 5KRO, 5KR6; Victors 7-11, 7-25, 7-26, 17-8; Graybar 311

R.C.A. PART NO. 8335



This is the genuine power transformer for the above models utilizing, 4-26s; 1-27; 1-71A and 1-80, for 50-60 cycle operation. Shpg. Wt. 9 lbs.

2C2150—**\$180**
Your Cost

Same as above except for 25 cycle operation. RCA part No. 8340 Shpg. Wt. 11 lbs.

2C2151—**\$325**
Your Cost

Radiola Models 44, 46, 47

Identical to above in appearance. A Quality Transformer in every respect; built exactly like the original RCA part No. 8472, for 3-24s; 1-45, and 1-80. Brand new and guaranteed to equal the original in service. Shpg. Wt., 10 lbs.

2C2152—Your Cost Each.....**\$275**

For Radiola Models 60 and 62 Brunswick 3NC 8 and 5NC 8 Graybar Model 60

Identical to above in appearance. An exact duplicate of RCA part No. 8314, and the correct replacement for the above receivers. For use with 7-27s, 1-71A, and 1-80. Brand new and guaranteed. Shpg. Wt. 11 lbs.

2C2153—Your Cost Each.....**\$275**

Radiola Model 66

RCA Auditorium Phonograph Graybar Model 600

Identical to above in appearance. An exact duplicate of RCA part No. 8183 and the correct replacement for the above receivers. Utilizing 6-27s; 1-45 and 1-80 tubes. Shpg. Wt. 11 lbs.

2C2154—Your Cost.....**\$350**

Victor Models 35-39-57

Radiola Models 80-82-86 Graybar Models 700-770-900 General Electric 31-51-71 Westinghouse Models WR 5-6-7

Genuine replacement power transformer. Identical to above in appearance. For the above receivers, utilizing, 4-24s; 2-27s; 2-45s and 1-80 tubes. RCA part No. 8556 Shpg. Wt., 12 lbs.

2C2156—Your Cost.....**\$225**

Radiola Models 42 and 48 Victor Models 14, 15 and 17 Westinghouse Model WR-4

General Electric Model T-41

The genuine RCA power transformer for the above receivers, utilizing, 4-24s; 2-45s and 1-80 tubes. Brand new and guaranteed. RCA part No. 8609. Shpg. Wt., 8 lbs.

2C2155—Your Cost.....**\$225**



**GENERAL ELECTRIC
WESTINGHOUSE
BRUNSWICK
GRAYBAR**

BRAND NEW!

GENUINE VICTOR MODELS



**R-32, R-52,
RE-45, RE-75**

This is the GENUINE VICTOR POWER TRANSFORMER, that replaces the Small power Transformer originally used in the above receivers. It is built over-size, and carries the standard R.M.A. guarantee. It will faithfully supply all filament and plate voltages for the following tubes:—6-26s; 1-27; 2-45s, and 1-80. These HAVE NOT BEEN REMOVED from amplifiers. Packed in the original factory cartons. Will fit the chassis, but is larger in height. Shpg. Wt., 12 lbs.

4C2185—Your Cost, Special.....**\$290**

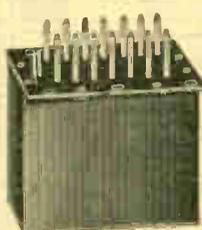
**VICTOR "ABC" POWER
TRANSFORMER
For Models R-32, RE-45,
R-52, RE-75**

This is the original Victor ABC power transformer used in the above models. Utilizing, 6-26s; 1-27; 2-45s, and 1-80. These have been removed from Victor amplifiers, but are guaranteed in perfect operating condition, electrically. Shpg. Wt. 11 lbs.

2C2158—**\$145**
Your Cost.....



Radiola Models 64 and 67 Victor Models 9-18 and 9-54



This power transformer is not the genuine part, but the exact duplicate in physical characteristics. A large over-size power transformer has been built to our specifications for use with this receiver. Has 3 separate 2 1/2 volt filament windings; for 8-27s; 2-7 1/2 volt windings; 1100 volt mls. Guaranteed.

high voltage at 200 Shpg. Wt. 14 lbs. 4C2157—Your Cost.....**\$950**

RADIOLA MODEL 30-A A.C.

The Official RCA part No. 8274 power transformer used in the above receiver. This transformer has a 68 volt primary using the UV 876 Ballast tube in series to absorb fluctuations in the line voltage between 40 and 60 volts. Supplies filament and plate current to the following tubes: 7-UX 199s; 1-71A; and 2-81s, as rectifiers. For replacement use only the Genuine Part. Our quantity is limited. Shpg. Wt., 9 lbs.

4C2175—List \$16.00
Your Cost.....**\$595**



STROMBERG-CARLSON

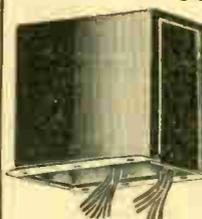
Models 635-636

The genuine Stromberg-Carlson power transformer. Utilizes, 5-27s; 1-71A, and 1-80. When our limited supply is exhausted, replacements will be furnished identical to the original in every respect. Shpg. Wt. 12 lbs.

2C2256—**\$425**
Your Cost.....



Models 641-642-652-654-846-818



Designed according to specifications of the original part, both in electrical characteristics and size. For the models utilizing, 3-24s; 1-27; 1-45 and 1-80. Shpg. Wt. 12 lbs.

**For Models
641-642-652-654**

2C2257—**\$365**
Your Cost.....

For Models 846-848

For Models utilizing 3-24s; 3-27s; 2-45s, and 1-80. Shpg. Wt. 14 lbs.

2C2258—Your Cost.....**\$450**

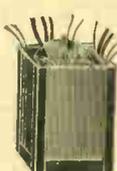
MODELS 12 and 14

Designed according to the original specifications of Stromberg-Carlson. Utilizes the following tubes: 3-24s; 2-27s; 2-45s; and 2-80s; 110-120 volts A.C. 60 cycle. Has heavy duty secondary. Shpg. Wt., 14 lbs.

4C2282—**\$745**
Your Cost.....



RADIOLA MODEL 41



These are the genuine RCA power transformers for use with this receiver. Supplies filament and plate voltages for 4-26s; 1-27; 1-10, and 1-80 tubes. There are two types of power packs used with this set.

For STERLING PACK, mounted in heavy cardboard container. RCA No. 8399. Shpg. Wt., 7 lbs.

4C2159—Your Cost.....**\$450**

For RECEPTOR PACK, mounting brackets. RCA No. 8405. Shpg. Wt., 6 lbs.

4C2160—**\$450**
Your Cost either type.....

**RCA-Victor R-7 "Superette"
General Electric S-22
Graybar No. 8 Midget**

The original power transformer used in the above receivers. Guaranteed brand new. Supplies filament and plate voltages for the following tubes: 2-35s; 2-27s; 1-24; 2-45s, and 1-80. RADIOLA part No. 8669. Shpg. Wt., 7 lbs. List \$6.00.

4C2187—**\$245**
Your Cost.....



SPARTON

POWER TRANSFORMERS

These power transformers are made by Thordarson, all new merchandise and fully guaranteed; designed according to specifications of the originals except to withstand more service abuses and over-loads. Fits the chassis exactly in all Sparton Receivers. These are not surplus and should not be confused with units selling at a lower price.

Models AC-7, 62 and 63

Sparton Nr. B-1454



Official replacement for the above Sparton models, using 5-C-401s; 2-71-As; and 1-Raytheon type tubes. Shpg. Wt. 7 lbs. 2A229 Your Cost..... **\$240**

Models 69, 79, 79-A and 89

Sparton Nr. B-1938

Identical in appearance to above transformer. Utilizing, 6-484s; 1-C585 or C586, and 1-C-280 tubes. Shpg. Wt., 7 lbs. 2A230—Your Cost..... **\$275**

Model 930

Sparton Nr. B-2249

Identical in appearance to above. Utilizing, 6-C-484s; or 485s; 2-C-182s, 182-Bs or 183s, and 1-C-280 tubes. Shpg. Wt., 7 lbs. **\$190**
2A228—Your Cost.....

Model 89-A

Sparton Nr. C-292

Replacement power transformer for the above receiver. Utilizing, 6-C484s or 485s; 1-C585 or C-586 and 2-C-281s. Shpg. Wt. 8 lbs. 2A231— **\$575**
Your Cost.....



Models 109

Sparks Ensemble and Deluxe Sparton Nr. C-257

Identical in appearance to above. Utilizing 6-C-484s; 2-C-585s, and 2-C-281s. Shpg. Wt., 8 lbs. 2A232—Your Cost..... **\$575**

Models 101, 110, 111, 574 and 870

Sparton Nr. C-374 C-398

Identical in appearance to above. Utilizing 6-C-484s; 2-26s; 2-C-585s, and 2-C-281s. Shpg. Wt. 8 lbs. 2A233—Your Cost..... **\$750**

Models 589, 591, 593, 931

Sparton Nr. B-2339



Replacement for the above models utilizing 7-C-484s, or 485s; 2-C-182s or C-183s, and 1-C-280 tubes. Shpg. Wt. 10 lbs. 2A234— **\$412**
Your Cost.....

Models 301, 564 570 and 750.

Part B-2538

Similar in appearance to above transformer. Utilizing 7 C-484s or 485s; 2 C-585s or 586s, and 2 C-281s. Shpg. Wt. 10 lbs. 2A235—Your Cost..... **\$706**

Models 600, 610, 620 and 737

Sparton Nr. B-2794

Similar in appearance to above transformer. Utilizing the following tubes: 7 C-484s or 485s; 2 C-183, and 1 C-280. Shpg. Wt. 10 lbs. **\$706**
2A236—Your Cost.....

PHILCO POWER TRANSFORMERS



GUARANTEED REPLACEMENTS

Designed for Philco Replacements, Guaranteed to be equal to the original. GENERAL PURPOSE REPLACEMENT. The usual method of installing these transformers makes possible a very neat arrangement with all wiring out of sight under the base panel. Black enameled steel case, with a flange for mounting. Average shipping weight 8 lbs. Hook-up furnished with each transformer. All have 110 volt 60 cycle primary. Refer to list below for our stock No. **\$280**
Your Cost Each

Any of the following types below..... Average Shpg. Wt., 8 lbs.

Chassis	Tubes Used (1-'80, and)	Philco Part No.	Stock No.
20-220	3-'24s; 1-'27; 2-'71A	4234	4C1955
50	3-'24s; 1-'47; 1-'80	5266	4C1951
65	2-'24s; 1-'27; 2-'45s	3516	4C1956
70	4-'24s; 1-'27; 2-'45s	5117	4C1957
76-77	3-'24s; 1-'27; 2-'45s	3868	4C1958
86	4-'26s; 1-'27; 2-'71s	3271	4C1960
87	4-'26s; 1-'27; 2-'45s	3400	4C1959
90	4-'24s; 2-'27; 2-'45s	4938	4C1961
90	4-'24s; 2-'27; 1-'47	5362	4C1952
90	4-'24s; 2-'27; 2-'47s	6072	4C1953
95-96	3-'24s; 3-'27; 2-'45s	3752	4C1962
111-211	4-'24s; 4-'27; 2-'45s	4446	4C1963
111-211	4-'24s; 4-'27; 2-'47s	5594	4C1954
511	4-'26s; 1-'27; 1-'71A	3073	4C1964

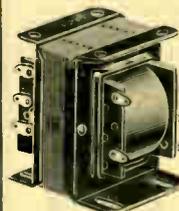
ORIGINAL ZENITH POWER TRANSFORMER 50-60-70 Series ZE-50, ZE-60 ZE-70, Power Units

The original Zenith No. 95-67 Replacement Power Transformer used in the above model receivers. Furnishes filament and plate voltages for the following tubes: 3-'24s; 3-'27s; 2-'45s; and 1-'80. Shpg. Wt. 9 lbs. 2C1980— **\$425**
Your Cost.....



GENUINE ZENITH POWER TRANSFORMER NO. 95-38

For Models 33, 33X, 34, 34X, and 35-A ZE-10 Power Unit



Supplies filament and plate voltages for the following tubes: 5-'27s, '24s, or '35s; 1-'71A, and 1-'80. Delivers 220 to 240 volts D.C. at 50 mls. using 2 and 4 mfd. condensers respectively in the filter circuit. If a 150 ohm choke is used ahead of the condenser, the 4 1/4 x 3 3/4 inches. Shpg. Wt., 7 lbs. 2A227—Your Cost Each..... **\$225**

D.C. voltage will be approx. 190. Size 4 1/4 x 4 1/4 inches. Shpg. Wt., 7 lbs. 2A227—Your Cost Each..... **\$225**

ATWATER-KENT

Models 55-55c-60-60c

This transformer is the identical to the original A. K. part. Utilizes the following tubes, 3-'24s; 2-'27s; 2-'45s; and 1-'80. Size 4x5x4 1/2 Ins. Shpg. Wt., 11 lbs. Stock No. 2C2250 **\$4.25**

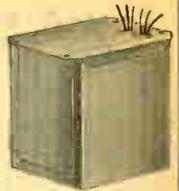
\$4.25



GENERAL MOTORS

Models 120, 130, 140, 150, 160.

An exact duplicate of the original General Motors power transformer. Self-contained in a durable metal case. Fits the chassis exactly. For 3-'24s; 2-'27s; 2-'45s, and 1-'80. Shpg. Wt. 10 lbs. 2C2278— **\$395**
Your Cost.....



FADA Models 10, 11, 30, 31



An exact duplicate of the original Fada Power Transformer No. 1696-x. Utilizing 5-'27s; 1-'71A and 1-'80. Shpg. Wt. 9 lbs. 2C2277— **\$350**
Your Cost.....

STEINITE

Models 40 and 50

An exact duplicate of the original Steinite power transformer. Utilizing 5-'27s; 2-'71As, and 1-'80 tubes. Shpg. Wt. 10 lbs. 2C2276— **\$340**
Your Cost.....



Jefferson Power Compact with Heavy Duty Choke

For 5-'27s; '24s; or '35s; 2-'45s, and 1-'80.

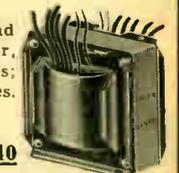


The Jefferson Power Pack consists of a standard Jefferson power transformer and a heavy duty choke sealed in a compact metal container.

Can be used in many receivers as a replacement power transformer using the above combination of tubes. 110-120 volts, 50-60 cycle. 700 volts, high voltage at 110 mls. C.T. Size, 7 in. long, 3 1/2 in. wide, 5 1/2 in. deep. Bottom brackets for convenient mounting. Shpg. Wt., 19 lbs. 2C1730—Your Cost, Special.... **\$245**

AMRAD BEL-CANTO Model 81

The original Amrad power transformer, utilizing 3-'24s; 2-'27s; 2-'45s, and 1-'80 tubes. Shpg. Wt. 12 lbs. 2C2281— **\$340**
Your Cost.....



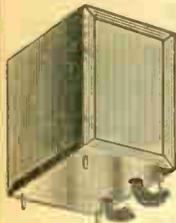
ATWATER-KENT Models 37-38

For replacement in the above receivers; this transformer is guaranteed to give satisfaction; built along the lines of the original, except with a larger safety factor. Utilizes: 4-'26s; 1-'27; 1-'71A; 1-'80; Size, 5x3 1/2 x 4 1/4 ins. Shpg. Wt. 9 lbs. 2C2255— **\$195**
Your Cost.....



REPLACEMENT POWER TRANSFORMERS

BOSCH POWER TRANSFORMERS

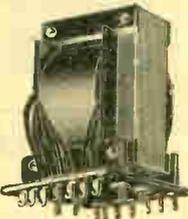


Model 28
Built according to the specifications of the original. Has mounting bolts in the four corners to fit the chassis exactly. For sets using 4-26s; 1-27; 2-71As and 1-80. Shpg. Wt., 10 lbs.
2C2254—**\$3.95**
Your Cost

MODEL 29—825

Similar in appearance to above, for sets using 4-26s; 1-27; 1-10, and 2-81s. Shpg. Wt., 11 lbs.
4C2336—Your Cost

BOSCH MODEL 48



Built according to the specifications of the original. For sets using 3-24s; 1-27; 2-45s and 1-80 tubes. Shpg. Wt., 10 lbs.
4C2260—**\$3.75**
Your Cost

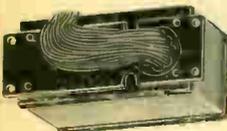
Model 58

Similar in appearance to above, for sets using 4-24s; 1-27; 2-45s and 1-80 tubes. Shpg. Wt., 10 lbs.
2C2261—Your Cost

Model 60

Similar in appearance to above, for sets using 5-24s; 1-27; 2-45s and 1-80. Shpg. Wt., 13 lbs.
2C2262—Your Cost

FRESHMAN REPLACEMENT Power Transformers



The original replacement power transformers for Freshman Models "Q" and "Q-D" sets using 1-22; 1-26; 1-27; 1-71A and 1-80 tubes. Size, 6 1/4 x 3 1/4 inches deep. Shpg. Wt., 9 lbs.

- FOR "Q" RECEIVERS**
- 2C2263—60 cycle **\$2.25**
 - Your Cost
 - 2C2273—25 cycle **\$4.95**
 - Your Cost
- FOR "QD" RECEIVERS**
- 2C2264—60 cycle **\$4.10**
 - Your Cost
 - 2C2274—25 cycle **\$5.45**
 - Your Cost

FREED-EISEMANN Models Nr.-57 and Nr.-60



Replacement for the above models. Power transformer supplies filament and plate voltages for the following tubes: 4-26s; 1-27; -71A, and 1-80 tubes. Shpg. Wt., 6 lbs.
4C2285—**\$4.25**
Your Cost

PLATE TRANSFORMER For MAJESTIC 8BP6 Pack



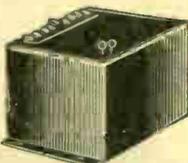
Model 180
Designed according to the original Majestic Plate Transformer for use in the above models. Has a 15 volt filament winding for 2-81s; and high voltage secondary, 90 volt primary.

Shpg. Wt., 9 lbs.
4C2169—Your Cost

REPLACEMENT EXACT DUPLICATE TRANSFORMERS

WHOLESALE RADIO SERVICE CO., INC., are the exclusive representatives of Standard Transformer Corporation: For the Eastern District. The continued maintenance of millions of radio receiving sets has, until recently, imposed an obligation upon dealers and service men only partially met by the manufacturers. Inadequate sources of supply; lack of uniformity and reliability of transformer replacement units have made this type of servicing job uncertain; not always satisfactory, expensive to the customer and not as profitable to dealers and service men as it should be. Organized and equipped for the sole purpose of designing and producing the finest transformers available to the industry—specializing in this one thing alone, **STANCOR TRANSFORMERS FOR REPLACEMENT.** Send for your copy of special listing of over 200 power transformer replacement units. Wholesale Radio Service Co., Inc., price as usual, the lowest in the field.

PLATE and FILAMENT TRANSFORMER



Made for Replacement in Freshman Receivers

FOR 250, 210 and 281 TUBES

This transformer is designed to be used as a Filament and as a Filament and Plate supply transformer for 210, 250 and 281 tubes.

Terminals 1 and 2—500 Volts; No. 3 and 5—7 1/2 Volts; No. 4 center tap of No. 3 and 5; No. 6 and 8—7 1/2 Volts; No. 5 center tap of No. 6 and 8; No. 9 and 10 primary. No. 11 and 10—Bias resistance. 4 3/4 ins. long, 3 1/2 ins. wide, 3 1/2 ins. high. Shpg. Wt., 9 lbs.
4C2312—Your Cost

ZENITH PLATE TRANSFORMER ZE-18 POWER UNIT



Models 35PX, 35APX, 37-A
Part No. 95-61
High voltage winding and 1/2 volt winding for 2-81s. Has mounting bracket for choke like the original part. Shpg. Wt., 8 lbs.
2C1983—**\$4.45**
Your Cost

EDISON PLATE TRANSFORMER Models R-1, R-2, C-2

For use with the above models. Tapped primary, 100, 110 and 120 volt, single high voltage winding. Guaranteed to be better than the original. Shpg. Wt., 7 lbs.
4C2350—**\$3.45**
Your Cost



TRANSFORMER COIL

With Terminal Strip



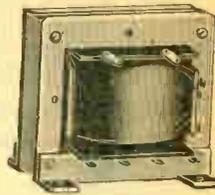
Earl Models 24, 31, 32, 33 and 41
Freed Models 65, 78, 79, 90 and 95

The genuine Transformer Coil, to be assembled with laminations of old power transformer. Shpg. Wt., 4 lbs.
4C2288—Your Cost

EVEREADY POWER TRANSFORMERS

30 Series

Identical in size and electrical characteristics as the original. For sets utilizing, 5-27s; 2-71As and 1-80 tubes. Shpg. Wt., 9 lbs.
2C2283—



Your Cost..... **\$3.50**

40 and 50 Series

Similar in appearance to above transformer. For sets utilizing, 5-27s; or 24s; 2-45s; and 1-80 tubes. Shpg. Wt., 9 lbs.
2C2284—Your Cost

GENUINE EARL and FREED POWER TRANSFORMERS

These are the genuine Power Transformers used in the receivers below.

Earl Models 21 and 22 Freed Models 55 and 56



Utilizing, 3-26s; 2-27s; 2-71As and 1-80 tubes. Shpg. Wt., 6 lbs.
4C2286—**\$2.90**
Your Cost

EARL 24, 31, 32, 33 and 41 FREED 65, 78, 79, 90 and 95

Utilizing, 6-27s; 2-45s, and 1-80 tubes. Shpg. Wt., 8 lbs.
4C2287—Your Cost

SONORA MODEL A-31

Fits exactly in chassis as the original Sonora Power Transformer, using a Genuine Thordarson transformer. For sets, utilizing 4-24s; 1-27; 2-45s, and 1-80 tubes. Shpg. Wt., 12 lbs.
2C2275—**\$3.40**
Your Cost



OZARKA RADIO 220 VOLT POWER TRANSFORMER

5-27s, 24s, or 35s; 2-45s, or 47s; and 1-80.

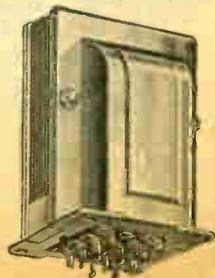
This husky built power transformer, for 220 volt operation, made for use in Ozarka Radio receivers. Ideal for replacement in other sets using the above tubes where 220 volt is available. Size, 2 3/4 x 3 3/4 x 4 3/4 in. high. Can be mounted upright or inverted. Shpg. Wt., 8 lbs.
2C2293—Your Cost

Zenith Power Transformers Super-Het. Models 10, 11, 12

For sets utilizing 4-24s; 1-27; 2-45s, and 1-80 tubes. Shpg. Wt., 11 lbs.
2C1984—**\$2.75**
Your Cost

For Models 102, 112, 122

Same tubes as above, 25 cycle operation. Shpg. Wt., 14 lbs.
2C1982—**\$3.75**
Your Cost





Majestic

PLATE TRANSFORMERS 70 SERIES 7 BP 6 power pack

① Brand New. Made by Majestic. Part No. 67. Shpg. Wt., 6 lbs. **90¢**
2C2104—Your Cost

Filament Transformer for 70 Series 7 BP power packs

① Similar in appearance to above, Original Majestic part No. 61. Brand new. Shpg. Wt., 6 lbs. **90¢**
2C2105—Your Cost

Filament & Plate Transformer 90 Series 90 Series 9 BP 6 Power Packs

② Original Majestic Part No. 136, Brand new and guaranteed. Shpg. Wt., 15 lbs. **\$1.65**
2C2100—Your Cost

DOUBLE CHOKE FOR 70 SERIES 7 BP 6 power pack

③ Original Majestic Part No. 66, Brand new and guaranteed. Shpg. Wt., 8 lbs. **95¢**
2C2101—Your Cost

DOUBLE CHOKE FOR 180 SERIES 8 P6 Power Pack

③ Similar in appearance to above. Original Majestic part No. 626. Shpg. Wt., 8 lbs. **95¢**
2C2102—Your Cost

DOUBLE CHOKE FOR 90 SERIES 9P6 Power Pack

③ Similar in appearance to above. Original Majestic part No. 281 Shpg. Wt., 8 lbs. **\$1.25**
2C2103—Your Cost

PUSH-PULL OUTPUT TRANSFORMER MAJESTIC 70 SERIES

④ Original Majestic part No. 64, Brand new and guaranteed. Shpg. Wt., 3 lbs. **75¢**
2C2106—Your Cost

PUSH-PULL OUTPUT TRANSFORMER MAJESTIC 90 SERIES

Same appearance as above, Original Majestic Part No. 134. Shpg. Wt., 3 lbs. **75¢**
2C2107—Your Cost

BY-PASS CONDENSER MAJESTIC 70, 90, 180 SERIES

⑤ By-Pass condenser, .5 .5 mfd. Original Majestic part No. 717. Shpg. Wt., 1 lb. **29¢**
2C2108—Your Cost

POWER TRANSFORMER COLUMBIA MODEL S.G. 8

An exact duplicate of the original power transformer for the Screen Grid 8 Model of Columbia Radio Corp. Utilizing, 3-24s; 2-27s; 2-45s, and 1-80 tubes. Shpg. Wt. 15 lbs.



2C2305 **\$4.25**
Your Cost

MAJESTIC 90-B and 100-B

Made exactly like the original Majestic part. Both filament and plate transformer in one container. Set utilizes: 5-27s; 2-45s and 1-80 tubes. Shpg. Wt. 15 lbs.



2C2127—**\$4.75**
Your Cost

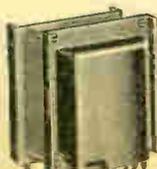
EDISON MODELS R-6, R-7



Made for use in Edison Models R-6, and R-7. Has terminal arrangement like the original, also same in size and mounting. Utilizing, 3-24s; 3-27s; 2-45s, and 1-80 tubes. Shpg. Wt. 10 lbs.

2C2306 **\$4.50**
Your Cost

MAJESTIC 25 SERIES



The original power transformer, made for the above Majestic Series. Utilizes: 3-51s; 3-27s; 2-47s, and 1-80 tubes. Shpg. Wt. 11 lbs.

2C2128—**\$2.25**
Your Cost, Special

For Brandes Models

B10, B11, B15, B16

These power transformers are the Official Replacement used in the above Brandes Receivers. All brand new and guaranteed. Shpg. wt. 10 lbs.



B10 and B11

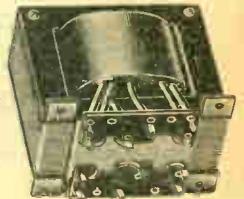
Supplies filament and plate voltages for the following tubes: 5-27s; 1-71A; 1-80. **\$3.45**
2C2050—Your Cost

B15 and B16

Supplies filament and plate voltages for the following tubes: 5-27s; 2-45s; 1-80. **\$4.70**
2C2051—Your Cost

COLUMBIA KOLSTER Models

These transformers are the official replacements for Kolster and Columbia Receivers. Brand new and Guaranteed. Blue print is furnished with each transformer. Our quantity is limited.



For KOLSTER Models: K-20, K-21, K-22, K-23, K-25, K-27

Utilizing the following tubes: 4-26s; 1-27; 1-71-A, 1-80. (K-21 and K-23 uses 5-26s) shpg. wt. 9 lbs. **\$4.50**
2C2052—50-60 Cycle (Kolster No. A11010) Your Cost
2C2053—25 cycle (Kolster No. 12010) shpg. wt. 12 lbs. **\$5.95**
Your Cost

For Kolster Model K-24

Utilizing the following tubes; 5-26s; 1-27; 1-10, and 2-81s. 50-60 Cycle Shpg. wt. 11 lbs. **\$5.40**
2C2054—Your Cost

For Kolster Models K-43 and K-43

Utilizing the following tubes: 3-24s; 2-27s; 2-45s, (or 2-71-As) and 1-80. 50-60 Cycle **\$4.70**
2C2051—(Kolster No. 2865) Shpg. wt., 9 lbs. Your Cost

For KOLSTER Model K-44

Utilizing the following tubes: 3-24s; 2-27s; 2-45s, and 2-81s. shpg. wt. 14 lbs. **\$6.75**
2C2055—(Kolster No. A288010) Your Cost

For COLUMBIA Model C500

2C2056—25-60 Cycle (Columbia No. A-8210) Shpg. wt. 17 lbs. **\$6.75**
Your Cost

For COLUMBIA Model 930-300

Utilizing the following tubes: 1-26; 1-10, and 2-81s, 50-60 cycle. Shpg. wt. 13 lbs. **\$4.95**
2C2057—(Columbia No. A-8410) Your Cost

For COLUMBIA Model 931

Utilizing the following tubes: 1-24; 1-50, and 2-81s. 50-60 cycle. Shpg. wt. 13 lbs. **\$5.95**
2C2058—(Columbia No. 157010) Your Cost

For COLUMBIA Model 950

Utilizing the following tubes: 4-26s; 1-27; 1-50, and 1-81. 50-60 cycle. Shpg. wt. 14 lbs. **\$4.65**
2C2059—(Columbia No. 0168010) Your Cost

EDISON

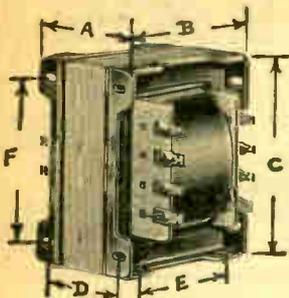
Models R-4 R-5 C-4

These power transformers are identical to the original Edison part, both in size and electrical characteristics. Fully shielded with connecting lugs on bottom. Holes for mounting are, center to center, 4 1/4 x 4 3/4, size 5 x 5 1/2 x 5, shpg. wt. 10 lbs. Supplies filament and plate voltages for the



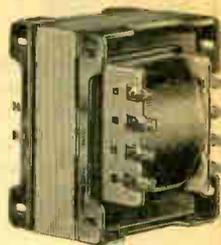
following tubes: 5-27s; 2-45s, and 1-80, for 50-60 cycle operation. Shpg. Wt. 15lbs. **\$4.75**
2C2251—Your Cost
2C2252—For 25 cycle operation. Shpg. Wt. 17 lbs. **\$5.75**
Your Cost

TRUTEST UNIVERSAL REPLACEMENT



POWER TRANSFORMERS

HERE ARE TRANSFORMERS so ingeniously designed and so expertly built that there is hardly a receiver of standard make that can not be honestly and economically serviced by means of one of the three types listed on this page. We say **HONESTLY** because we know their electrical characteristics to be right by actual use, and because we know them to be a quality product of a reputable manufacturer. **YOU ARE PREPARED FOR ANY EMERGENCY** by carrying one or two of each of these types on your shelves at all times, one each enables you to service one of over 250 DIFFERENT SETS on short notice.



FOR A LIMITED TIME ONLY, WE OFFER THREE TRUTEST UNIVERSAL REPLACEMENT POWER TRANSFORMERS, ONE OF EACH FOR THE SUM OF

\$825

TYPE 986

Supplies filament and plate voltages for the following tubes: 4-'26s; 1-'27; 2-'71As and 1-'80. 2½ volts at 1½ amps. C.T. 1½ volts at 4.2 amps, 5 volts at 1½ amps. C.T. 5 volts at 2 amps. 285-285 volts at 85 mls. Size: A-3¾ inches, B-3¾ inches, C-3¾ inches, D-1¼ to 2¾ inches, E-2½ or 2¾ inches, F-3¾ or 2¾ inches. Shpg. Wt., 7 lbs.

4C1476—
Your Cost Each

\$275

TYPE 987

Supplies filament and plate voltages for the following tubes: 6-'27s, '24s or '35 Variable-Mu's; 2-'45s and 1-'80. 350-350 volts at 125 mls., 5 v. at 2 amps, 2½ volts at 3 amps., C.T., 2½ volts at 10½ amps., C.T. Size (See chart of size above Type 986) A-4 inches, B-3¾ inches, C-4½ inches, D-1½ inches to 2¾ inches, E-2½ or 2¾ inches, F-3-7/32 or 3-19/32 inches.

4C1475—Your Cost Each

\$315

TYPE 952

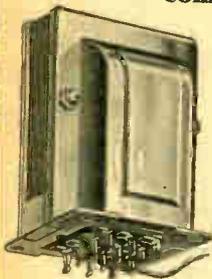
A special universal mounting type Transformer especially designed for midget sets. Four 27s, 24s or Vari-Mu's, one 45 and one 80. Voltages: 315-315; at 60 mls.; 2½ at 3½ amps. C.T.; 2½ at 1½ amps. C.T.; 5 at 2 amps. Size (See chart of size above Type 986) A-3¾ inches, B-3¾ inches, C-3¾ ins., D-1¼ inches to 2¾ inches, E-2½ inches to 2¾ inches, F-3¾ inches or 2¾ inches. Shpg. Wt., 7 lbs.

4C1477—Your Cost Each

\$275

GENERAL REPLACEMENT POWER TRANSFORMER

For 6-'27s, '24s, or '35s; 2-'45s or '47s pentodes, 1-'80 tubes; or any combination of these.



This husky power transformer will handle up to 9 tube receivers; fits exactly a majority of the commercial sets. Makes a complete "A" "B" and "C" supply for the new set builder. Heavy enameled steel case. Size, 4 inches over-all x 5 inches high. Mounting centers, 3¼ x 2¾ inches. Has 2-2½ volt filament windings. 275/275 volts at 100 mls. Shpg. Wt., 10 lbs.

2C1962—Your Cost, Special

\$245

UTILITY POWER TRANSFORMER



5-'27s, '35s, or '24s; 2-'45s, or '47s (or '71s) 1-'80.

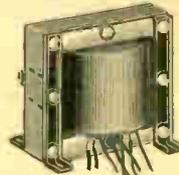
Can be mounted upright or inverted, due to its universal mounting arrangement. Power tube filament is 5 volts tapped at 2½ volts at 3 amps. for 2-'45s, or 2-'71s; 315/315 volts at 90 M.A. Primary adjustable from 100-120 volts, 50-60 cycle. Size, 110-120 volt, 50-60 cycle. 4½x3x4¾ inches. Mounting brackets, holes spaced, 2¼x4¾ inches. Shpg. Wt., 9 lbs.

4C2376—Your Cost,

\$395

Special

POWER TRANSFORMER For 6 Tube Sets

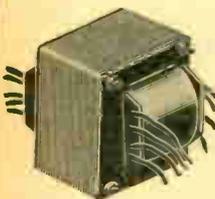


For: 4-'27s, '35s, or '24s; 2-'45s, or '47s; 1-'80 tubes. Has two separate 2½ volt filament windings. High voltage 275/275 at 80 M.A. Primary adjustable from 110-120 volt, 50-60 cycle. Size, 4½x3x4¾ inches. Mounting brackets, holes spaced, 2¼x4¾ inches. Shpg. Wt., 8 lbs.

4C2375—Your Cost, Special

\$195

EDISON Power Transformer



This is an ideal transformer for all power pack replacements including Electric Phonograph Amplifiers and Public Address systems. Has 2½ v. at 9 amps., 2½ v. at 3 amps. C.T.—5 volts at 2 amps. 375/375 at 150 M.A. Primary, 50-

60 cycle, 110 volt. Shpg. Wt., 11 lbs.

2C2292—Your Cost

\$250

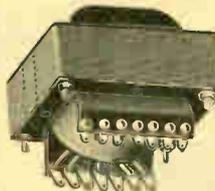
Same as above, except for 25 cycle operation. Shpg. Wt., 14 lbs.

2C2253—Your Cost

\$350

POLYMET FLAT MOUNTING POWER TRANSFORMER

For: 5-'27s, '24s, or '35s; 2-'45s, or '47s pentodes, and 1-'80 Tubes



A heavy duty power transformer ideal for replacement in commercial sets using the flat mount type. Windings terminate with lugs on an insulated terminal strip. Has sufficient filament and plate voltages to

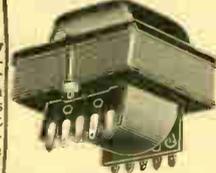
supply any combination of the above tubes. Finished in Japanned black. Size 4½x3¾x4 inches. Shpg. Wt., 10 lbs.

2C1480—Your Cost

\$245

THORDARSON "PENTRAN" MIDGET TRANSFORMER

For: 4-'27s, '24s or '35s; 1-'45 or '47 pentode and 1-'80 tubes



An unusual compact and dependable power transformer, adaptable for replacement in many commercial receivers, designed accurately and skillfully to cover every requirement of the pentode tube.

Primary 115 volts, 60 cycle, 483 v. each side C.T. 70 M.A. 5 v. at 2 amps., 2½ v. at 8½ amps C.T. Size, 3¼x4 inches; total depth 3¾ inches; above chassis 2¾ inches. Mounting centers: 3¾x2½ inches. Shpg. Wt. 6 lbs.

2A224—Your Cost

\$245

2A225—For 25 Cycle Operation

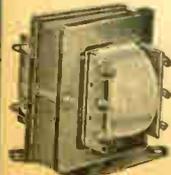
\$345

THORDARSON QUALITY POWER TRANSFORMERS

T-3381

FOR: 5-'26s; 1-'27; 1-'71, AND 1-'80.

1.5 volts at 2 amps.; 1.5 volts at 3 amps.; 2.5 volts at 2 amps. 5 volts C.T. at 2 amps. 5 volts at ¼ amp. 600 volt C.T. high voltage at 60 M.A. Primary 115 volt, 50-60 lbs. Size 3¾x4x4 ins. Shpg. Wt., 6 Lbs.



4A247—Your Cost

\$294



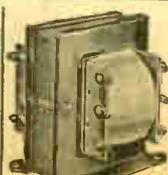
T-3624-E

FOR: 5-'27s or '24s; 2-'45s or '47s; AND 1-'80.

2.5 volts at 9 amps.; 2.5 volts C.T. at 3 amps.; 5 volts C.T. at 2 amps.; 730 volt high voltage at 100 M.A. C.T. Primary 110-120 volts, 50-60 cycle. Size, 3¾x4½x4¾ inches high. Mounting holes 2¾ x 2¾ ins. pounds.

Shipping weight, 9 lbs. 4A248—Your Cost

\$412



T-2971-E

FOR: 5-'26s; 1-'27; 2-'71s AND 1-'80.

1.5 volts at 2 amps.; 1.5 volts at 3 amps.; 2.5 volts at 2 amps.; 5 volts C.T. at 2 amps.; 5 volts at ¼ amp. 650-volt C.T. high voltage at 70 M.A. Primary 115 volt, 50-60 cycle. Size, 3¾ x 4 x 4 inches high. Shpg. Wt.,

6 lbs. 4A249—Your Cost

\$294

GUARANTEED REPLACEMENT POWER TRANSFORMERS

THIS LISTING OF REPLACEMENT POWER TRANSFORMERS IS NOT COMPILED FROM ANY SERVICE MANUAL. IT IS ACTUALLY WHAT WE HAVE IN STOCK AND CAN SUPPLY. EACH AND EVERY POWER TRANSFORMER WILL DO THE JOB THAT IT IS INTENDED FOR. SOME ARE GENUINE REPLACEMENTS; OTHERS

ARE DUPLICATES DESIGNED ACCORDING TO THE ORIGINAL PART. EXCEPT WHERE ORIGINAL HAS DEVELOPED FAILURES, IN WHICH CASE OUR ENGINEERING DEPARTMENT HAS MADE IMPROVEMENTS IN DESIGN WHICH INSURE UNITS THAT WILL GIVE BETTER SERVICE THAN THE ORIGINAL.

ATWATER KENT

Name and Model	Stock No.	Your Cost
37	2C2255	\$1.95
40, 42, 44, 45, 52, 56 complete pack	2B1225	5.25
43, 46, 47 and 53 complete pack	2B1226	7.50
55-55C	2C2260	4.25

AMRAD—Bel Canto Series

81	2C2281	3.40
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BOSCH

28	2C2254	3.95
48	2C2260	3.75
58	2C2261	3.75
60	2C2262	3.95

BRANDES

B-10 and B-11	2C2050	3.45
B-15 and B-16	2C2051	4.70

BREMER-TULLY

7-70 and 7-71	4C2364	4.75
14, 21, 31, 81 and 82	4C2365	3.50

BRUNSWICK

2KR0, 3KR0, 3KR6		
5KR, 5KR0, 5KR6	2C2150	1.50
2KR0, 3KR0, 3KR6, 25 cycle	2C2151	3.25
3 NC8 and 5 NC8	2C2153	2.75

COLONIAL

Model 28 AC	4C2362	3.75
Model 31 AC	4C2363	3.80
32 AC	2C2279	3.50
33 AC	2C2280	4.25

COLUMBIA

C-500	2C2056	6.75
930-300	2C2057	4.95
931	2C2058	5.95
950	2C2059	4.95

CROSEY

Power Converters 104, 105, 106 Bandbox	2C1882	1.95
602 Bandbox	2C1888	1.45
AC-7	2C1890	1.10
Power Converter 104-R and 105-R	2C1889	1.45
608	2C1884	1.45
608, 25 cycle	2C1885	1.75
704-A	2C1886	1.95
704	2C1887	1.95
30-S, 31-S, 33-S, and 34-S	2C1883	1.95

EARL

21 and 22	2C2286	2.75
24, 31, 32, 33, and 41	2C2287	4.25
24, 31, 32, 33, 41, Coll only	2C2288	2.10

EVEREADY

Models 1, 2 and 3	4C2366	1.95
30 Series	2C2283	3.50
40-50 Series	2C2284	2.80

EDISON

R-4, R-5, and C-4	2C2251	4.75
R-4, R-5 and C-4 25 cycle	2C2252	5.75
Models R-1, R-2 and C-2 (Plate Transformer)	4C2350	1.75

FADA

10, 11, 30 and 31	2C2277	3.50
25	4C2351	2.25
35 and 35-B	4C2352	2.25
41, 42, 44, 46, 47	4C2353	2.25
43	4C2354	2.25
50, 70, 71 and 72 for the E-420 Electric Unit	4C2355	2.50
50, 70, 71 and 72 for the 180 Electric Unit	4C2356	2.25
75 and 77	4C2357	2.50
45 (KU)	4C2358	2.25

FREED-EISEMANN

NR-60, NR-57, NR57-A	2C2285	3.95
NR-85	2C2321	4.50
NR-70	2C2322	4.55
NR-80	2C2287	4.25

FREED

55 and 56	2C2286	2.75
65, 78, 79, 90 and 95	2C2323	4.25

FRESHMAN

Q...60 cycle	2C2263	2.25
Q...25 cycle	2C2273	4.95
QD...60 cycle	2C2264	4.10

FRESHMAN—Continued

QD...25 cycle	2C2274	\$5.45
ERAC-60 cycle	2C2308	6.95
M-60-S power supply	2C2309	4.25
G-60-S Filament power supply	2C2310	1.20
G-60-S Plate power supply	2C2311	2.25
Amplifier Transformer (1-281 and 1-210)	2C2312	1.90
N-60-S power supply, 60 cycle	2C2313	4.25
N-60-S power supply, 25 cycle	2C2314	5.25

GENERAL ELECTRIC

H-31, H-51 and H-71	2C2156	2.25
T-41	2C2155	2.25
S-22 and S-42	4C2187	2.45
Model T-12	4C2188	1.95

GRAYBAR

311	2C2150	1.80
311, 25 cycle	2C2151	2.25
RC-3	2C2155	2.75
700, 770 and 900	2C2156	2.25
400	2C2152	3.25
600	2C2154	3.50
60	2C2153	3.25
Model No. 8 Midget	4C2187	2.45
Model No. 4 Gray-barette	4C2188	1.95

GENERAL MOTORS

"A" Chassis, Models 120, 130, 140, 150 and 160	2C2278	3.95
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GULBRANSEN

8 Tube A. C.	2C2315	6.40
9 In Line	2C2316	7.06
"Champion Junior" 7 tube	2C2317	6.33

KENNEDY

Models 10 and 20	4C2359	3.95
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KELLOGG

Model K-50	4C2360	4.25
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KNIGHT

8 9 tube (Transformer and Choke)	4C2361	4.25
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KOLSTER

K20, 21, 22, 23, 25 and 25 v.	2C2052	4.50
K20, 21, 22, 23, 25 and 25 cycle	2C2053	5.95
K-24	2C2054	5.40
K-43 and K-48	2C2051	4.75
K-44	2C2055	6.75

LOFTIN-WHITE

245-247 Amplifier	2C2295	2.75
250 P.P. Amplifier	2C2294	7.75

MAJESTIC

70, 71, 72, 7BP6 pack, plate and filament transformer, complete	2C2125	4.25
90, 91 and 92, 9BP6 pack, plate and filament transformer complete	2C2126	4.25
70 Series, plate transformer	2C2104	.90
70 Series, filament transformer	2C2105	.90
90 Series, plate and filament transformer	2C2100	1.65
90-B and 100-B	2C2127	4.75
25 Series	2C2128	2.25
153 (2C1491)	2C1491	1.65
B Eliminator Transformers Master "B" and Super "B"	4C2367	2.20
Special Master "B"	4C2368	2.20

OZARKA

220 Volt power transformer	2C2293	1.95
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PEERLESS

21, 22, 23; 651, 652 and 653	2C2290	2.50
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PHILCO

Chassis 20, 220	4C1955	2.80
Chassis 50	4C1951	2.80

PHILCO—Continued

Chassis 65	4C1956	\$2.80
Chassis 70	4C1957	2.80
Chassis 76 and 77	4C1958	2.80
Chassis 86	4C1960	2.80
Chassis 87	4C1959	2.80
Chassis 90 (2-45s)	4C1961	2.80
Chassis 90 (1-47)	4C1952	2.80
Chassis 90 (2-47s)	4C1953	2.80
Chassis 95 and 96	4C1962	2.80
Chassis 111 and 211 (2-45s)	4C1963	2.80
Chassis 111 and 211 (2-47s)	4C1954	2.80
Chassis 511	4C1964	2.80

RCA RADIOLA

104 Loudspeaker	2C2307	2.90
30-A	2C2175	5.95
17, 18, 33, 50 and 51	2C2150	1.80
25 cycle	2C2151	3.25
44, 46 and 47	2C2152	2.75
60 and 62	2C2153	2.75
66	2C2154	3.50
41, Receptor Pack	2C2160	4.50
41, Sterling Pack	2C2159	4.50
64 and 67	2C2157	9.95
42 and 48	2C2155	2.25
80, 82 and 86	2C2156	2.25
RCA Superette (8 tube)	4C2187	2.45
RCA Radiolette (4 tube)	4C2188	1.95

SONORA

A-31, 60 cycle	2C2275	3.40
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STEINITE

40	2C2276	3.40
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SPARTON

AC-7, 62 and 63	2A229	2.40
69, 79, 79-A and 89	2A230	2.75
930	2A228	1.90
89-A	2A231	5.75
109, Sparks Ensemble and Deluxe	2A232	5.75
101, 110, 111, 574 and 870	2A233	8.82
589, 591, 593 and 931	2A234	4.12
301, 564 and 570	2A235	7.06
600, 610, 620 and 737	2A236	7.06

STROMBERG-CARLSON

635 and 636	2C2256	4.25
641, 642, 652 and 654	2C2257	4.25
846 and 848	2C2258	4.50
12 and 14	2C2282	5.25

STEWART-WARNER

950 Series, 951, 952, 953, 961, 962, 963	2C2272	5.45
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VICTOR

R-32, RE-45, R-52 and RE-75	2C2158	1.95
R-32, RE-45, R-52 new type	2C2185	2.90
R-32, RE-45, 25 cycle old type	2C2320	3.75
14, 15 and 17	2C2155	2.25
35, 39, and 57	2C2156	2.25
7-11, 7-25, 7-26 and 17-8	2C2150	1.80
7-11, 7-25, 7-26, 25 cycle	2C2151	3.25
9-18, 9-54	2C2157	9.95
Model R-7 A.C.	4C2187	2.45
Model R-5 A.C.	4C2188	1.95

WESTINGHOUSE

WR-4	2C2155	2.25
WR-5, WR-6 and WR-7	2C2156	2.25
Model WR-10A	4C2187	2.45
Model WR-14	4C2188	1.95

ZENITH

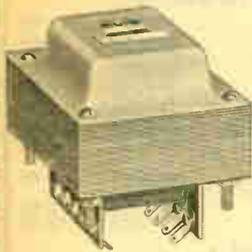
33, 33X, 34, 34X, and 35-A, ZE-10 power unit	2A227	2.25
50, 60 and 70 Series		
ZE-50, ZE-60 and ZE-70 power units	2C1980	4.25
ZE-18 power unit, plate transformer	2C1983	4.45
Super 10, 11 and 12, 60 cycle	2C1981	2.75
Super 102, 112, 122, 25 cycle	2C1982	3.75



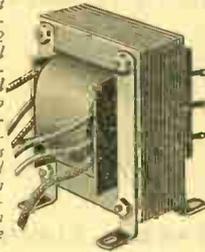
Power Transformers

Utilizing the 280 or NEW 82 Type MERCURY Rectifier

TRUTEST POWER TRANSFORMERS designed to meet the demands of the Serviceman and the new set builder; a wide range of tube combinations, employing the 280 or 82 type rectifier. Upright Horizontal mounting furnished only for 280 rectifier. These transformers are ideal for general replacement work, refer to physical dimensions and tube combinations to determine the correct transformer for the job. Soldering Lugs terminate on an insulated strip and protrude through the sub-panel on Flush Mounting Types; Upright Horizontal Types have Lug terminals on one side, feet are provided on base to permit air circulation under core. Coils are of high grade material, the insulation is of the best and the lamination steel is of high quality.



FLUSH



UPRIGHT

FOR SHORT-WAVE CONVERTERS

MOUNTING AREA: 3 x 2 1/2 ins.
MOUNTING DIMENSIONS: 2 1/2 x 2 ins.
PRIMARY: 110 volts, 50-60 cycle.
SECONDARIES: (1) 400 volts C. T.—25 M. A.
(2) 5 volts, 2 amps. (280 Filament).
(3) 2.5 volts C. T., 3.5 amps.
Shpg. Wt., 3 lbs.

FLUSH MOUNTING TYPE

4C1500—Your Cost **\$1.35**

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 2 1/8 x 4 1/8 x 2 1/8 ins. Mounting centers, 3 3/8 ins. **\$1.40**

4C1501—Your Cost, Each.....

4 TUBE MIDGET RECEIVERS

FOR Two 2 1/2 Volt Heater Tubes, One 2 1/2 Volt Power Tube and One 280 or One 282 Rectifier.

MOUNTING AREA: 3 x 2 1/2 ins.
MOUNTING DIMENSIONS: 2 1/2 x 2 ins.
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 600 volts C. T. 40 M. A. (plate).
(2) 2 1/2 volts 5 amps. C. T. (2 heater and 1 power tubes).
(3) 5 volts 2 amps. (one 280 filament) or 2 1/2 volts 3 amps. (one 282 filament).
Shpg. Wt., 3 lbs.

FLUSH MOUNTING TYPE

4C1490—Using 280 Rectifier
4C1497—Using 82 Rectifier
Your Cost, Each **\$1.10**

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 x 3 3/8 x 3 ins. Mounting centers, 1 3/4 x 2 1/8 ins.
4C1502—Using 280 Rectifier **\$1.15**
Your Cost, Each

1 TUBE MIDGET RECEIVERS

FOR Two 2 1/2 Volt Heater Tubes, One 2 1/2 Volt Power Tube and One 280 or One 282 Rectifier.

MOUNTING AREA: 2 1/8 x 3 3/8 ins.
MOUNTING DIMENSIONS: 2 1/8 x 2 1/8 ins.
PRIMARY: 110 volts, 50-60 cycles.
SECONDARIES: (1) 700 volts C. T.—50 M. A. (plate).
(2) 5 volts, 2 amps. (one 280 filament), or 2 1/2 volts, 3 amps. (one 282 filament).
(3) 2.5 volt C. T., 5 amps. (2 heaters and 1 power tube).
Shpg. Wt., 3 lbs.

FLUSH MOUNTING TYPE

4C1494—Using 280 Rectifier
4C1496—Using 82 Rectifier
Your Cost, Each..... **\$1.25**

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 x 3 3/8 ins. Mounting centers, 1 3/4 x 2 1/8 ins.
4C1495—Using 280 Rectifier **\$1.35**
Your Cost, Each.....

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 1/8 x 3 3/8 ins.
MOUNTING DIMENSIONS: 2 1/2 x 3 1/8 ins.
PRIMARY: 110 volts, 50-60 cycles.
SECONDARIES: (1) 700 volts C. T.—70 M. A. (plate).
(2) 5 volts, 2 amps. (one 280 filament), or 2.5 volts, 3 amps. (one 282 filament).
(3) 2.5 volts, 8.75 amps. (3 or 4 heaters and 1 power tube).
Shpg. Wt., 6 lbs.

FLUSH MOUNTING TYPE

4C1492—Using 280 Rectifier
4C1498—Using 82 Rectifier **\$1.38**
Your Cost, Each.....

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 3/8 x 3 1/8 ins. Mounting centers, 2 x 3 1/8 ins.
4C1504—Using 280 Rectifier **\$1.50**
Your Cost, Each.....

6 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 1/8 x 4 1/8 ins.
MOUNTING DIMENSIONS: 2 3/4 x 3 1/8 ins.
PRIMARY: 110 volts, 50-60 cycles.
SECONDARIES: (1) 660 volts C. T.—80 M. A.
(2) 5 volts, 2 amps. (280 filament).
(3) 2.5 volts, C. T. (2 power tubes).
(4) 2.5 volts, 5.25 amps. (3 heaters).
Shpg. Wt., 8 lbs.

FLUSH MOUNTING TYPE

4C1505—Your Cost, Each..... **\$1.75**

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 x 4 ins. Mounting centers, 2 3/4 x 2 1/8 ins.
4C1506—Your Cost, Each..... **\$1.85**

7 and 8 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 1/8 x 4 1/8 ins.
MOUNTING DIMENSIONS: 2 3/4 x 3 1/8 ins.
PRIMARY: 110 volts, 50-60 cycles.
SECONDARIES: (1) 700 volts C. T.—110 M. A. (plate).
(2) 5 volts, 2 amps. (one 280 filament), or 2.5 volts, 3 amps. (one 282 filament).
(3) 2.5 volts C. T., 3 amps. (2 power tubes).
(4) 2.5 volts, 8.5 amps. (Four or five heater tubes.)
Shpg. Wt., 8 lbs.

FLUSH MOUNTING TYPE

4C1507—Using 280 Rectifier
4C1499—Using 82 Rectifier **\$2.25**
Your Cost, Each.....

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 1/8 x 4 1/8 x 3 1/8 ins. Mounting centers, 2 1/4 x 3 1/8 ins.
4C1508—Using 280 Rectifier **\$2.35**
Your Cost, Each.....

THORDARSON HIGH POWER TRANSFORMER

FOR Two '50s, or '10s and Two '81s; 2 1/2 Volts at 7 Amperes

Thordarson High Power Transformer is cased and fully shielded and furnishes "A," "B" and "C" current to 2-'50s or '10s and filament and plate voltages to a receiver. Delivers 1100 volts A.C. at 150 mils., 7 1/2 v. at 3 amps., 2 1/2 v. at 7 amps. All connections brought out to a bakelite terminal strip at bottom. All windings are center-tapped. Operates on 100-130 volts, 50-60 cycle A.C. current, tested at 2500 volts. Size, 5x4x4 1/4 ins. Mounting centers, 3x3 3/8 ins. Shpg. Wt., 12 lbs. **\$2.80**



4A226—Your Cost, Each.....

THORDARSON T-3740



This power transformer has been selected by many of the set manufacturers as standard equipment. A sub-panel mounting unit of the better type. Made to give service. A sub-panel mounting unit for heater type tubes and 245's in push-pull. It has secondaries as follows: No. 1—2.5 volts at 9 amperes with C. T. (5 heaters); No. 2—2.5 volts at 3 amperes with C. T. (2-245's); No. 3—750 volts with C. T. at 110 milliamperes (high voltage); No. 4—5 volts at 2 amperes (280 fil.). Overall dimensions, 3 3/4 x 3 3/8 x 5 1/2 ins. high. Shpg. Wt., 10 lbs. **\$3.53**

4A223—List, \$6.00. Your Cost.....

LOFTIN WHITE POWER TRANSFORMER

FOR SINGLE '45 OR '47 AMPLIFIER



Used in our Lafayette Loftin-White Amplifiers. High voltage 900 v. at 40 M. A. C. T. 5 volts at 2 amps. 2 1/2 volts at 1.5 amps. 2 1/2 volts at 5.5 amps. Size 4x2 3/4 x 3 1/4 ins. high. Mounting Centers, 7 lbs. **\$2.50**

4C2295—Your Cost.....



TRUTEST Power Transformer

FOR 9 and 10 Tube Sets

MOUNTING AREA: 4 1/8 x 3 3/8 ins.
MOUNTING DIMENSIONS: 3 1/8 x 2 3/8 ins.
PRIMARY: 110 volt, 60 cycle.
SECONDARY: 720 volts C. T.—110 M. A.
SECONDARY: 5 volts at 2 amps. (280).
SECONDARY: 2.5 volts at 3 amps.
SECONDARY: 2.5 volts at 12.25 amps.
Shpg. Wt., 9 lbs.

FLUSH MOUNTING TYPE

4C1509—Your Cost..... **\$2.65**

HORIZONTAL MOUNTING TYPE

Same tube characteristics as above. Size, 3 3/8 x 4 1/8 x 3 1/8 ins. Centers, 2 3/4 x 3 1/8 ins.
4C1510—Your Cost, Each..... **\$2.85**

CHOKES AND MISCELLANEOUS TRANSFORMERS

RADIOLA DOUBLE CHOKES Models 18-33-51 Part No. 8336

This heavy duty, rugged Filter Choke is the ideal choke for all types of filter circuits, power amplifiers, eliminators, transmitters and power packs. When connected in parallel, you have 30 henries at 200 mls. In series, 60 henries at 100 mls. Each choke has a 1000 volt insulation test, D. C. resistance 500 ohms. Fully shielded in metal case with special insulating compound. Size, 5 1/4 x 3 3/4 x 2 7/8 inches. Shpg. Wt., 6 lbs.



2C2171—Your Cost **45¢**

For Radiola Models 17 and 50

2C2181—RCA No. 8288

For Radiola Models 60 and 62

2C2182—RCA No. 8345

For Radiola Models 44-46-47

2C2183—RCA No. 8475

For Radiola Model 66

2C2184—RCA No. 8486. Shpg. Wt., 8 lbs.

Either Above Chokes. **\$1.40**

Your Cost

Trutest Center-Tapped Choke 30 H. — 75 M. A.



A Choke that can be used in filter circuit of power packs and amplifiers, also suitable as an output choke. D.C. resistance of 1000 ohms, C.T. Size, 2 3/4 x 1 3/4 x 2 1/4 ins. high. Mounting centers, 3 3/8 inches.

Shpg. Wt., 4 lbs.
4C1571—Your Cost **60¢**

TRUTEST HEAVY DUTY CHOKES 30 H. 125 M.A.



A Choke that is rated at its true inductance value. Ideal for replacement and new set builders. A finished product. Its low D.C. resistance of 180 ohms makes it an ideal filter choke. Size, 3 1/2 x 2 3/4 inches high. Mounting centers, 3 3/8 inches. Shpg. Wt., 4 1/2 lbs. **85¢**

4C1570—Your Cost

HEAVY DUTY CHOKES

Heavy Duty Filter Choke that has an inductance of 30 henry, at approximately 150 mls. D.C. resistance of 300 ohms. For use in a filter circuit for power packs—and power amplifiers. Size, 3 3/4 x 2 3/4 x 2 1/4 ins. Shpg. Wt., 4 lbs.



4C2271—Your Cost **95¢**

DONGAN MIDGET CHOKES 20 H.—60 M. A.



Genuine Dongan Filter Choke. Designed for use in midget sets or where space is limited. 20 henry at 60 mls. d. c. resistance. 150 ohms. Size, 1 1/8 x 2 x 2 1/4 inches high. Mounting centers, 2 3/8 inches. Shpg. Wt., 3 lbs.

2C1600—Your Cost **35¢**

Tube Tester Transformer Supplies 1 1/2, 2 1/2, 5, and 7 1/2 volts at 2 amps. from single winding.



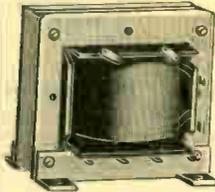
Ideal as replacement in tube testers and also for laboratory experimental use. The 2 and 3 volt tubes can be tested on the 1 1/2 and 2 1/2 volt taps. Size, 3 1/4 x 2 3/4 x 2 inches. Shpg. Wt. 4 lbs. **\$1.40**

2C1967—Your Cost

'SPECIALS' "250"

POWER TRANSFORMER

4-26s;
1-27;
2-81s;
2-50s



These power transformers are of the latest approved design. Built of the highest quality materials and workmanship and are guaranteed against defects. Universal brackets

make for easy installation practically in any position. Ideal for Power Amplifiers and Public Address Systems. Size, 4 3/4 x 3 1/2 x 4 1/8 inches. Mounting centers, 2 1/2 x 3 3/4 or 2 3/4 inches. Shpg. Wt., 10 lbs. 110 volt, 60 cycle Primary. **SPECIAL! WHILE THEY LAST. \$3.85**

4C1993—Your Cost Each

FOR 6-27s, '24s, OR '35s; 2-45s, OR '47s; and 1-80 TUBES

Same size and mounting centers and Shpg. Wt. as above transformer.

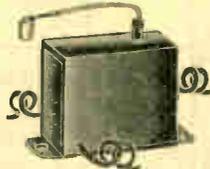
FOR 110 VOLT, 25 TO 60 CYCLE OPERATION

4C1987—Your Cost, Special **\$3.65**

SCREEN GRID DURATRAN RADIO FREQUENCY TRANSFORMER

200 to 350 Meters

Made by Dubilier Condenser Corp. For use with all types of Screen Grid tubes. By installing a set of these R. F. Transformers, the selectivity and sensitivity of your receiver will be increased 50 per cent. 5 inch leads, complete with shielded screen grid lead and clip. Black enameled metal case. No further shielding necessary. Size, 2 1/4 x 1 1/4 x 2 inches high. Mounting holes, 2 3/8 inches. Shpg. Wt., 1 lb.



4C2384—Your Cost, Each **\$2.40**

Matched Set of Three **\$7.00**

4C2385—Your Cost, Per set

G. E. STEP-DOWN 220 Volts to 110 Volts—or to STEP-UP 110 Volts to 220 Volts

G. E. Auto Transformer for reducing 200-220 A.C. to 100-120 A.C. or Increasing 100-120 A.C. to 200-220 Volts. Ideal for operating 110-volt radio or electrical machines from 220-volt line. Has many uses in the experimenter's lab. Output 275 KVA (275 Watts). Size, 7 1/2 x 4 3/4 x 3 3/4 inches deep. Shpg. Wt., 14 lbs. **\$1.95**

4C2269—Your Cost, Special

Radiart Variable Step-Down 200-250 Volts to 110-120 Volts

Variable primary. Size, 3 3/4 x 3 1/2 x 4 ins. high. Mounting centers, 1 7/8 x 3 3/8 ins. 16 inch lamp cord with female receptacle for 110-120 volt outlet, 5 foot lamp cord with male plug for 200-250 Input. 160 Watts. Shpg. Wt., 9 lbs. **4C1970—List \$7.50. Your Cost \$4.40**



FILAMENT TRANSFORMER 110 to 20 Volts A.C. 25 Watts

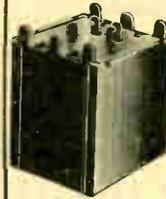
This filament transformer can be used for Trickle Chargers, door bells, to light a number of tubes in series and a host of other uses. Originally used in Philco ABC Eliminators. Size, 2 1/2 x 2 1/2 x 3 inches high. Mounting holes, 1 1/4 x 2 1/8 ins. Shpg. Wt., 4 lbs. For 110 volt 50-60 cycle to 20 volt at 25 watts.



4C2381—Your Cost Each **45¢**

In Lots of Ten, Each **40¢**

Victor Choke R-32 R-52 RE-45 RE-75



The genuine Victor Filter Choke used in their receivers. Has a D.C. resistance of 200 ohms. 30 henry at 125 mls. A good choke for general use. Size, 3 1/2 x 3 1/4 x 2 1/2 ins. Guaranteed. Shpg. Wt., 6 Lbs. **4C1997—Your Cost 48¢**

220 Volt to 110 Volt Step-Down Transformer

A dependable transformer for use in stepping 220 volts down to 110 volts. For use in operating a 110 volt AC radio from 220 volt lines. Fully shielded with 6 foot heavy lamp cord for 220 volt line, and flush receptacle for 110 volt side. Size, 3 1/4 x 4 x 5 3/4 inches high. Mounting centers, 2 3/4 x 3 1/4 inches. Shpg. Wt., 9 lbs. For Receivers and Appliances drawing up to 160 Watts. **\$2.95**



4C1968—Your Cost

For use with Midget Receivers, Dynamic Speakers, or any other 110-volt appliance that draws up to 60 Watts. Shpg. Wt., 6 lbs. **4C1969—Your Cost \$2.15**

BELL RINGING TRANSFORMER

50 to 140 Cycles, 105-115 volts A.C. bell voltage of 12 volts. Has many uses. Shpg. Wt., 3 Lbs.



4C2382—Your Cost Each **49¢**

TRUTEST FILAMENT TRANSFORMER 2 1/2 Volts at 10 1/2 Amperes



Made to our own specifications by one of America's largest transformer manufacturers. Rugged and well made; guaranteed to deliver the rated voltages and load without heating. 110 volt primary, 1,000 volt insulation. Size, 3 x 2 x 2 1/2 inches. Shpg. Wt., 3 lbs. **\$1.05**

4C2383—Your Cost

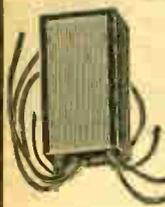
"B" ELIMINATOR POWER TRANSFORMER

A popular replacement unit for all "B" Eliminators, 5 volt winding for '80 tube and 500 volt H.V. winding center-tapped. Can be used with Raytheon type tube, by disregarding 5 volt winding. Size 2 1/2 x 2 1/4 x 2 1/4 in. Shpg. Wt. 4 lbs. **2C2291—Your Cost \$1.65**



GUARANTEED REPLACEMENT AUDIO TRANSFORMERS

CROSLLEY 706 P. P. INPUT and 1st AUDIO No. 5315



A replacement Audio and P. P. Input made expressly for use in Crosley Models 32, 40, 41, 41A, 42, 704 and 706. No changes necessary to install this unit, made exactly as the original, fits the chassis the same.

Diagram of hookup furnished with each transformer. Shpg. Wt., 4 lbs.
4C1892—Your Cost, \$245
 Special

REFER TO PAGE 80 FOR A COMPLETE LISTING OF GENUINE CROSLLEY PARTS

GENUINE PHILCO REPLACEMENTS



Straight Audio



Single or P-P Input



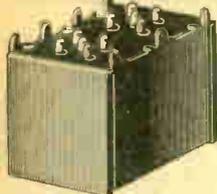
Single or P-P Output

Chokes

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	x	x	x	4232	2C1738	\$.95	2766	2C1746	\$1.30	4231	2C1750	\$1.35
65	x	x	x	3242	2C1740	.80	2848	2C1748	.95	4951	2C1751	.95
70-270	x	x	x	x	x	x	2673	2C1749	1.10	4951	2C1751	.95
76-77	x	x	x	3872	2C1741	.80	2848	2C1748	.95	3422	2C1752	1.20
82-86-87	3241	2C1744	1.65	3242	2C1740	.80	2848	2C1748	.95	3472	2C1736	.70
90-90A	x	x	x	4952	2C1742	1.65	2848	2C1748	.95	4951	2C1751	.95
90-90A	x	x	x	x	x	x	2673	2C1749	1.10	4951	2C1751	.95
95-96-296	x	x	x	3537	2C1743	1.40	2848	2C1748	.95	3422	2C1752	1.20
111-112	x	x	x	3537	2C1743	1.40	2848	2C1748	.95	3422	2C1752	1.20
500 Series	3077	2C1745	1.35	x	x	x	x	x	x	4951	2C1751	.95

RCA-VICTOR REPLACEMENTS

VICTOR P. P. INPUT AND OUTPUT TRANSFORMER R-32, R-52, RE-45, RE-75.



This is the genuine Victor P.P. Input and Output Transformer. Input Prim. 2000 ohms, Sec. 16,000 ohms. Output Prim. 500 ohms, to voice coil of a dynamic speaker. Shpg. Wt., 5 lbs.
4C1995—Your Cost 79¢

OUTPUT TRANSFORMER



Models 17-50
 The Official RCA Part No. 5683. Output transformer for the above models. Prim. 600 ohms, Sec. 800 ohms. Single output to a magnetic speaker. Size 2 1/2 x 3 1/2 x 2 1/2. Shpg. Wt., 2 lbs.
4C2168—Your Cost 35¢

DOUBLE AUDIO AND CONDENSER CHOKE OUTPUT

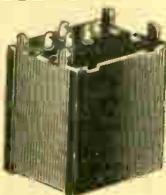


Radiola 21 and 22
 This is the Genuine RCA Interstage and Output Choke and condenser. Containing 2 audio transformers and a Condenser and output Choke. Both primaries 1200 ohms, Secondaries 5500 ohms, d.c. resistance. 500 ohm Output Choke. A complete audio system for general use. Shpg. Wt., 5 lbs.
4C2163—(RCA No. 8496) Your Cost 1.50

VICTOR AUDIO

R-32, R-52, RE-45, RE-75

The genuine Audio Transformer for Victor Receivers. Primary 1200 ohms, tapped at 50 ohms for phono. pick-up. Secondary 2800 ohms. Brand new and Guaranteed. Shpg. Wt., 4 lbs.
4C1996—Your Cost 50¢



Output Transformer

46-47-66
 The official RCA part No. 6019 for the above models. Can be used in new and guaranteed RCA 106 Speaker by addition of two .1 mfd. condensers across line. Brand new and guaranteed. Shpg. Wt., 3 lbs. Prim. 350 ohms. Sec. 6 ohms.
4C2170—Your Cost 35¢



Transformer and Capacitor Pack RADIOLA 33 D. C.

Part No. 8494
 The Genuine RCA P.P. Input and P.P. Output Transformer with Filter Capacitor. Input primary 1400 ohms, secondary 3500 and 4500 ohms. Output primary 154 and 184 ohms, secondary 624 ohms. Filter condensers, one 3mfd, two 2mfd. Shpg. Wt., 5 lbs.
4C2167—Your Cost 1.95



MAJESTIC PUSH-PULL INPUT MODELS



70, 71, 72, 90, 91, 92, 100.
 Designed according to specifications of the original Majestic part. Fully shielded, guaranteed.
4C2109—Your Cost 90¢

GENUINE A. K. AUDIO TRANSFORMERS



These Audio Transformers are Genuine A. Atwater Kent products. All are brand new and guaranteed. This list covers all the models up to 1930.

Models 44, 45, 52, 56, 57. 2nd Audio Stage. Part No. 7661. Shpg. Wt., 1 lb.
4C2328—Your Cost 75¢
 Each

For All Battery and Early Electric Sets. 1st or 2nd Stages. Shpg. Wt., 1 lb.
4C2289—Your Cost 75¢
 Each

Model 43. 1st Audio Stage. Part No. 14016
4C2329—Your Cost Each 75¢

Models 41, 44, 45, 46, 47, 52, 53, 56, 57. 1st Audio Stage. Part No. 13276.
4C2326—Your Cost Each 75¢

Model 43. P. P. Input Transformer. No. 14013.
4C2330—Your Cost Each 95¢

Models 46, 47, and 53. P. P. Input Transformer
4C2327—Your Cost Each 95¢

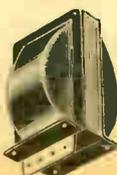
GENERAL MOTORS Model "A" Chassis

P. P. INPUT
 Fits the chassis exactly like original. Made expressly for Models, 120, 130, 140, 150 and 160.
 Shpg. Wt., 4 lbs.
4C2298—Your Cost 1.85



Grebe Push-Pull Input Transformer

The ideal Push-Pull Audio Transformer for replacement and general purpose work. Characteristics ideal for public Address systems and Power Amplifiers. Size, 3 1/2 x 2 1/2 x 3 3/4 inches high. Mounting centers, 2 1/2 x 1 1/2 inches. D.C. resistance, primary, 700 ohms, secondary, 16,000 ohms. total. Shpg. Wt., 5 lbs.
4C2299—Your Cost 1.20



EDISON AUDIO TRANSFORMER

Made for replacement in Edison Receivers. Can also be used for other sets. Straight Audio Transformer, ratio 3 1/4 x 2 1/4 x 2 1/4. Shpg. Wt., 3 lbs.
4C2300—Your Cost 35¢



STROMBERG CARLSON AUDIO TRANSFORMER

Models 641, 642, 652, 654, 846, and 848.
 Made exactly like the original Stromberg-Carlson part. Used in the above sets. Shpg. Wt., 3 lbs.
4C2331—Your Cost 1.85



KOLSTER DOUBLE AUDIO TRANSFORMER

For Models K-20, K-21, K-22, K-25
 This is the Genuine Kolster Double Audio used in the above model receivers. Also makes a very good general replacement twin audio. Size 3 1/2 x 3 3/4 x 2 shpg. wt. 3 lbs. Provided with crimping lugs for chassis or subpanel mounting. Shpg. Wt., 3 lbs.
4C2062—Your Cost 1.45

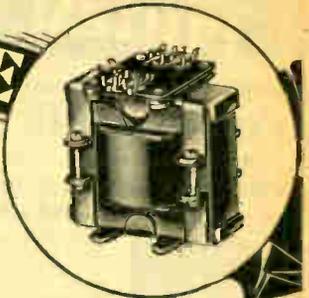
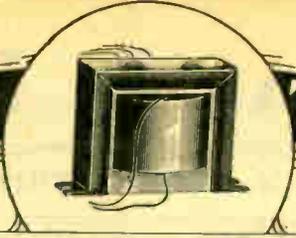
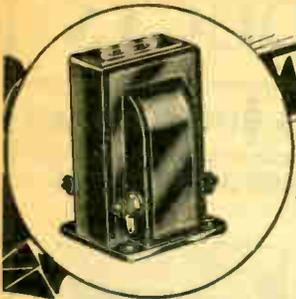


AUDIO

INPUT

PUSH-PULL

OUTPUT



TRU TONE

Special Trio

Rauland Laboratory R-500 Audio Transformer

The high amplification combined with exceptionally uniform response throughout the entire audio-frequency band (30 to 10,000 cycles makes this a high class audio for all types of amplification. Ratio, 3 1/2 to 1. Primary, 1800 ohms; Secondary, 8000 ohms. Size, 2 1/2 x 2 1/2 x 3 3/4 inches high. Mounting centers, 2x2 inches. Shpg. Wt., 4 lbs.
4C2265—List Price, \$2.00. Your Cost, Special 95¢

JEFFERSON Replacement Audio

This is the Jefferson Universal compact audio transformer, ideal for replacement in receivers where space is limited. It has two sets of brackets for either horizontal or vertical mounting. Primary, 500 ohms; Secondary, 100 ohms. For single audio stage. Size, 1 3/4 x 2 1/4 x 2 1/8 inches. Shpg. Wt., 2 lbs.
4C1906—Your Cost 75¢

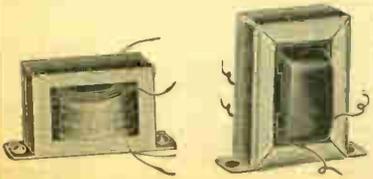
JEFFERSON Universal Tapped Audio

Here is a transformer that can be used for either a straight or push-pull audio stage, for use with all types of tubes. Its special bracket and its being equipped with both lugs and flexible silver leads, make it a truly universal replacement transformer. Primary, 900 ohms; Secondary, 3000 ohms total. Shpg. Wt., 2 lbs. Size, 1 3/4 x 2 1/4 x 2 inches.
4C1906—Your Cost 98¢

Universal Tapped Output

Same style as above
 Engineering ingenuity has endowed this new Jefferson tapped output transformer with features insuring flexibility beyond the average conception, together with quality and workmanship expected only in a transformer of much higher price. It can be used for coupling any combination of tubes: 171, 245, or the new 247 pentode, single or push-pull to any dynamic or magnetic speaker. Full instructions furnished. Size, 2 3/4 x 1 3/4 x 2 inches. Shpg. Wt., 2 lbs.
4C1907—Your Cost 98¢

Special Audio Transformers



The same quality Audio Transformer as the Large Rauland Laboratory Grade, R-500. Open Frame strap mounted, finished in cadmium plating. Can be used as 1st or 2nd straight Audio Stage. For use with all types of tubes. Available in either upright or horizontal type. Size overall, 2 1/4 x 2 3/4 x 3 3/4 inches. Shpg. Wt., 3 lbs.
Upright Type Mounting 4C2334—Horizontal Type Mounting 4C2335—Your Cost, either type 39¢

Sangamo Push-Pull Input
 Sangamo Audio Transformers are well known to leading Radio engineers and the world's best musicians. The entire frequency range is covered by use of these transformers. Primary, 2000 ohms; Secondary, 8000 ohms. Size, 3x2 1/4 x 2 inches. Mounting Centers, 3/4 inches. Shpg. Wt., 3 lbs.
4A450—Your Cost 65¢

—SPECIAL— Matched Set of Three

1 Rauland Audio, 1 Sangamo P.P. Input and 1 Kellogg P.P. Output. Shpg. Wt., 7 lbs.
4C2268—Your Cost, Per Set 198¢

A BARGAIN

Kellogg Matched P.P. Input and Output



To greatly improve the tone quality and volume of your radio, install a pair of these Genuine Kellogg Matched P.P. input and output audio transformers. Laboratory matched to insure perfect audio balance throughout the entire frequency range. Nothing better for Public Address Systems and Power Amplifiers. A very fortunate purchase enables us to sell these below actual production cost, but our QUANTITY IS LIMITED, and no more can be had at this price. Size, 3 1/4 x 2 1/4 x 3 3/4 inches. Shpg. Wt., pair, 6 lbs.
4C2332—Your Cost, Per Pair 129¢
P.P. INPUT 4C2333—Your Cost 75¢

General Audio Audios

Types 285-H, 285-D
 The Audio Transformers for the present day electric receiver as well as the early battery sets. Tone Quality beyond comparison, that is General Radio Audios. Type 285-H, high amplification, ratio 6 to 1. Type 285-D, ratio 3 1/2 to 1. Laminations and windings are of the highest grade materials. Fully shielded. Size, 3 1/2 x 3 1/4 x 2 1/2 inches. Mounting holes 2 1/4 inches. Shpg. Wt., 3 lbs.
4C1710—Type 285-H 4C1711—Type 285-D Your Cost, Special, 120¢
 Either Type

DELUXE Audio Transformer

Ratio 3 1/2 to 1
 One of the finest Audio Transformers made. Can be used in the 1st or 2nd Audio stage. Sealed in an oval case, made of the finest aluminum. To be mounted inverted, leads connected through bottom of chassis. Mounting is made by use of two 6 32 screw lugs attached to case. Size, 1 3/4 x 2 1/4 x 2 3/4 inches high. Primary, 1200 ohms; Secondary, 7000 ohms D.C. resistance. Shpg. Wt. 2 lbs.
4C1879—Your Cost, Special 39¢
 In lots of ten, each **35¢**

Kellogg Push-Pull Output

For '71A, '45, '50 Type Tubes
 The Primary of this output transformer is unusually high impedance, making it suitable for all types of tubes. The secondary feeding into the moving voice coil of a dynamic speaker having a d.c. resistance between 2 and 8 ohms. Clamp bracket holding laminations in perfect order, impregnated in wax compound to insure long life without break-down. Size, 3 1/4 x 2 1/4 x 3 3/4 inches. Shpg. Wt., 3 lbs.
4C2267—Your Cost, Special 59¢

Thordarson P.P. Output Magnetic Speaker

For all types of tubes. Primary, 1200 ohms; Secondary, 800 ohms. Size, 2 1/2 x 2 1/2 x 3 3/4 inches. Shpg. Wt., 4 lbs.
4C2301—Your Cost 75¢

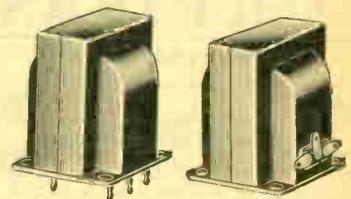


RAULAND R-14 Audio Transformer

This is the "Little Brother" to the Rauland Laboratory Grade, R-500 Audio, comparing favorably with it. That burnt-out transformer in your commercial set affords an opportunity to improve radio results—replace with Rauland R-14. Ratio 3:1. Primary, 1200 ohms; Secondary, 8000 ohms D.C. resistance; size, 2 1/4 x 2 1/4 x 2 1/8 inches.
4C2266—Shpg. Wt., 4 lbs. Your Cost 55¢



JEFFERSON CONCERTONE AUDIOS



Bottom Lugs—Side Lugs
 Push-Pull Input, lugs on bottom, for use with 171-A, 245, 247, 250, 231, 233, 238 and 210 tubes. Primary, 1500 ohms, and Secondary, 7000 ohms, total. **140¢**
4C1900—Your Cost 140¢
 Push-Pull Input, lugs on side, same characteristics as above. **180¢**
4C1901—Your Cost 180¢
 Push-Pull Output, lugs on bottom, has a ratio of 35 to 1, for use with 171-A, 231, 245, 250 tubes. Primary, 300 ohms total. Output to a 10 ohm Voice coil of a Dynamic Speaker. **145¢**
4C1902—Your Cost 145¢
 Push-Pull Output, lugs on side, same characteristics as above. **145¢**
4C1903—Your Cost 145¢
 Push-Pull Output, lugs on bottom, for Pentode output only. Primary, 600 ohms; Secondary, 10 ohms, to Voice coil of a Dynamic Speaker. **165¢**
4C1904—Your Cost 165¢
 Average Shpg. Wt., 3 lbs.



QUALITY PRODUCTS

Audio / Microphone / Mixer Transformers and Chokes

TRUTEST presents an entirely New Line of DELUXE AUDIO EQUIPMENT



The demands on the modern receiving sets and power amplifiers are so exacting that no compromise with perfection can be permitted. The amplification curve on this Line of DeLuxe Audios is extremely flat. Coils are layer wound, carefully tested, and failure traceable to coil defects are almost unheard of. Core steel is treated for maximum magnetic value. Dimensional accuracy of laminations and assembly insures complete freedom from the perplexing hum caused by even a slight irregularity in these respects.

Shielded in a heavy gauge steel case, having a pleasing Black shrivel finish. Size, 2½x2¼x3½ ins. Shpg. Wt., 4 lbs.

Audios and Inputs

- 1st Stage Audio, DeLuxe, Ratio 3½ to 1. **4C1580—\$245**
Your Cost
- 2nd Stage Audio, DeLuxe, Ratio 4 to 1. **4C1581—\$245**
Your Cost
- PUSH-PULL INPUT, DeLuxe, Ratio 2½:1. 4C1579—Your Cost \$245**
- PUSH-PULL INTER-STAGE, DeLuxe, Ratio 1.75:1. 4C1582—\$245**
Your Cost

Outputs

- PUSH-PULL 210 OUTPUT, to 10-15 ohm voice coil of dynamic. 4C1583—\$294**
Your Cost
- PUSH-PULL 245 OUTPUT, to 10-15 ohm voice coil of a dynamic. 4C1584—\$175**
Your Cost
- PUSH-PULL 247 OUTPUT, to 10-15 ohm voice coil of dynamic. 4C1585—\$245**
Your Cost
- SINGLE 250 OUTPUT, to 10-15 ohm voice coil of dynamic. 4C1588—\$294**
Your Cost
- PUSH-PULL 250 OUTPUT, to 10-15 ohm voice coil of dynamic. 4C1589—\$325**
Your Cost

Microphone and Pick-up Transformers

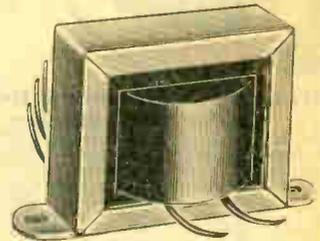
- INPUT, Pick-up to grid. Primary impedance 500, 1000, 2000, and 4000 ohms. 4C1586—\$395**
Your Cost
- INPUT, Two button microphone, 200 ohm to grid of tube. 4C1527—\$245**
Your Cost
- INPUT, Two button microphone, 200 ohm to 500 ohm line. 4C1590—\$445**
Your Cost

Tube-To-Line Transformers

- Two 250 or 245 type tubes to 500 ohm line. 15 ohm winding for voice coil or monitor. **4C1591—\$445**
Your Cost
- Two 210 type tubes to 500 ohm line. 15 ohm winding for voice coil or monitor. **4C1592—\$445**
Your Cost
- Operating out of General purpose tube to 500 and 200 ohm lines. **4C1593—\$375**
Your Cost

REPLACEMENT AUDIOS AND CHOKES

This complete line of TRUTEST Replacement Audios, Outputs and Chokes, has been very popular with the Radio servicemen in their daily work of replacing defective audio parts of radio receivers. Only the best material and workmanship is used in construction of these transformers. TRUTEST replacement Audios and Chokes are of medium size, semi-open form, with strap mounting and bottom plate, Cadmium plated. Average size, 3¼x2¼x1¾ ins. Mounting centers, spaced 2¾ ins. Shpg. Wt. 3 lbs.



AUDIOS

- AUDIO, either stage of straight audio amplification. Ratio 3 to 1. 2C1550—Your Cost 75¢**
- PUSH-PULL INPUT, from single plate to 2 grids. Ratio 2.5:1. 2C1551—Your Cost 82¢**
- PUSH-PULL INTER-STAGE, between 2 plates and 2 grids. Ratio 1.75:1. 2C1552—Your Cost 95¢**

Phonograph and Microphone Matching Transformers

- Phonograph Pick-up transformer 3,000 ohms to grid of tube. 2C1559—Your Cost \$120**
- Single Button Microphone transformer, 200 ohms. 2C1560—Your Cost \$115**
- Double Button Microphone transformer, 200 ohms each side of center-tap. 2C1561—Your Cost \$125**

OUTPUTS

- OUTPUT, Single '45 type tube to a 5-15 ohm voice coil of dynamic speaker. 2C1553—Your Cost 75¢**
- OUTPUT Push-Pull '45s type tubes to a 5-15 ohm voice coil of dynamic speaker. 2C1554—Your Cost 85¢**
- OUTPUT, Single Pentode ('47) to a 5-15 ohm voice coil of dynamic speaker. 2C1555—Your Cost 79¢**
- OUTPUT, Push-Pull Pentodes, to a 5-15 ohm voice coil of dynamic speaker. 2C1556—Your Cost 85¢**

Filter Chokes

- CHOKE, 25 Henry at 25 M.A. D.C. resistance of 830 ohms. 2C1557—Your Cost 59¢**
- CHOKE 11 Henry at 60 M.A. D.C. resistance of 300 ohms. 2C1558—Your Cost 59¢**
- CHOKE, 30 Henry at 75 M.A. D.C. resistance of 1,000 ohms, center-tapped. 2C1571—Your Cost 70¢**
- CHOKE, HEAVY DUTY, 30 Henry at 125 M.A. D.C. resistance of 200 ohms. 2C1570—Your Cost 90¢**

AMERTRAN AUDIOS AND CHOKES

AUDIOS AND INPUTS

- AUDIO, either stage, ratio 3½:1 AF-8 2A325—Type 2 \$294**
List, \$5.00—Your Cost
- 1st STAGE AUDIO, De Luxe, Ratio 3:1 2A326—Type 1 \$471**
List, \$8.00—Your Cost
- 2nd STAGE AUDIO, De Luxe, ratio 4:1 2A327—Type 1 \$471**
List, \$8.00—Your Cost
- PUSH-PULL INTER-STAGE, Ratio 1.75:1. 2A328—Type 3—No. 710 \$1156**
List, \$20.00—Your Cost
- PUSH-PULL INPUT, Ratio 2½:1. No. 151 2A329—Type 1 \$706**
List, \$12.00—Your Cost

OUTPUTS

- PUSH-PULL 210, OUTPUT, to 10-15 ohm voice coil of dynamic speaker. No. 200. 2A330—Type 1 \$706**
List, \$12.00—Your Cost
- PUSH-PULL 245 or 171 OUTPUT, to 10-15 ohm voice coil of dynamic speaker. No. 443. 2A331—Type 1 \$706**
List, \$12.00—Your Cost
- PUSH-PULL PENTODES OUTPUT, to a 10-15 ohms voice coil of dynamic speaker. 2A332—Type 1—No. 6200 \$862**
List, \$15.00—Your Cost



Amertran Audio-Frequency Transformers have long been considered the "Standard of Excellence" by leading radio engineers and the world's best musicians. Second in importance only to the electrical perfection of these transformers is the fact that their construction assures a long useful life. A large percentage of failures in audio frequency transformers is traceable to moisture entering the windings either while in service or during the process of manufacture, and subsequently becoming the cause of disintegration as a result of electrolysis after D.C. plate current has passed through the primary winding for a period of time. In the manufacture of Amertran transformers all moisture is thoroughly removed from the windings before they are sealed in the case with a special moisture-proof insulating compound. As a result the finished product is practically hermetically sealed and is protected against even the corrosive and electrolytic action of moist salt air in tropical climates.

PHONO. PICK-UP TRANSFORMERS

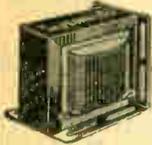
- 5,000-6,000-, or 8,000 ohm pickup to 1st stage De Luxe. No. 389. **2A333—Type 1 \$471**
List, \$8.00—Your Cost
- 500-1,000-, or 2,000 ohm pickup to grid of tube. No. 406-A. **2A334—Type 1 \$862**
List, \$15.00—Your Cost
- Tube-To-Line Transformers**
Two 250- or 245 type tubes to 200 ohm line or 1-9 15 ohm dynamic speakers in series parallel. No. 678. **2A335—Type 3 \$1274**
List, \$22.00—Your Cost
- Two 250- or 245 type tubes to 500 ohm line. 15 ohm monitor winding. No. 3332. **2A336—Type 3 \$1274**
List, \$22.00—Your Cost
- Two 210- or 112 type tubes to 500 ohm line. -15 ohm monitor winding. No. 3540. **2A337—Type 3 \$1274**
List, \$22.00—Your Cost

Filter Chokes and Reactors

- 10 Henries, 160 M.A., D.C. resistance 105 ohms. No. 4724. **\$471**
- 2A338—List, \$8.00—Your Cost
- 15 Henries, 120 M.A., D.C. resistance 210 ohms. No. 709. **\$471**
- 2A339—List, \$8.00—Your Cost
- 40 Henries, 60 M.A., D.C. resistance 625 ohms. No. 854. **\$471**
- 2A340—List, \$8.00—Your Cost

THORDARSON NEW LOW PRICES

AUDIO TRANSFORMERS R-100 Audio



The ideal replacement for that burned-out or obsolete audio transformer. The R-100 possesses the same high quality of performance that characterizes all Thordarson Audio Transformers, Ratio 3½ to 1. Size, 2-7 16x1½x2 inches high. Shpg. Wt., 2 lbs. **\$1.03**
4A213—Your Cost

R-103 Audio

Similar in appearance as above R-100, also made for replacement purposes. An audio coupling transformer of higher quality at a small increase in price. Size, 1½x2x2¾ inches. Shpg. Wt., 3 lbs. **\$1.18**
4A240—Your Cost

R-200 Audio



The special core material of this transformer (Thordarson DX Metal) has a permeability 50% greater than that of the finest grade silicon steel formerly employed and increases the transformer inductance correspondingly. An ideal replacement Audio transformer of the finished construction. Ratio 3 to 1. Size, 2-13/16x2x2-7/16 in. Shpg. Wt., 3 lbs. **\$1.25**
4A214—Your Cost, only

R-300 Audio

Similar in appearance to above. Supreme in musical performance, brings a greater realism to radio reproduction. The amplification range has been extended still farther into the lower register, so that even the deepest tones now may be reproduced with amazing fidelity. Same size and shpg. wt. as R-200. **\$2.94**
4A239—List, \$5.00. Your Cost

R-400 Audio

Similar in appearance to above. The amplification curve of this transformer is practically a straight line from 30 to 8,000 cycles. Suitable for either a first stage or input stage. Ratio 3 to 1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$2.94**
4A215—List \$5.00. Your Cost

FILTER CHOKES

30 Henry—50 Mils. T-1892-A



Open frame type choke. Designed to filter a current of 50 mls. Inductance of 30 henrys, 450 ohms d.c. resistance. Ideal for midjet receivers. 6 inch leads. Size, 2½x1¾x2½ in. high. Mounting centers, 3½ in. Shpg. Wt. 3 lbs. **65¢**
2A246—Your Cost

30 Henry—85 Mils. R-196

A fully shielded and finished product by Thordarson. D.C. resistance of 360 ohms. For filter circuits and speaker output coupling. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$1.76**
4A242—Your Cost



R-105 SPEAKER OUTPUT CHOKE



A high quality output choke designed to couple a pair of '71 or '45 type tubes to a high impedance speaker or to the primary of the output transformer in the dynamic speaker. Size, 1½x2x2¾ in. Shpg. Wt. 3 lbs. **\$1.03**
4A241—Your Cost

PUSH-PULL INPUTS R-101



A high quality push-pull input transformer for all types of servicing and unconditioning. Has an unusually uniform response over the effective range of audio frequencies. Universal mounting brackets make it adaptable for all types of sets. Size, 1½x2x2½ in. Shpg. Wt., 3 lbs. **\$1.32**
4A216—List \$2.25. Your Cost

P. P. INTER-STAGE AUDIO T-2973

A special audio transformer to couple two stages of Push-pull amplification. Especially applicable for use in power amplifiers for public address work to prevent tube distortion in the first stages of the audio amplifier. Ideal for use with Type '45, '47 and '50 power tubes in the output stage. Size, 3½x3x3¾ in. high. Shpg. Wt. 5 lbs. **\$4.12**
2A212—Your Cost



T-4304 PUSH-PULL INPUT

A transformer serving the same purpose as type T-2408 but possessing a ratio of 2 to 1. May be used following a screen grid power detector having parallel plate feed. Built primarily for use with 210, 245, 247 and 250 types of power tubes in the push-pull stage. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.66**
4A243—List \$4.50. Your Cost

T-2408 PUSH-PULL INPUT

Designed to couple a stage of straight audio amplification into a stage of power push-pull using any of the existing types of power amplifying tubes. Ratio 1-1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$2.36**
4A217—List \$4.00. Your Cost



THORDARSON FILAMENT TRANSFORMERS



These Thordarson Filament Transformers are made of the finest material that is obtainable and are fully shielded and guaranteed against breakdowns. Supplied with 5-foot lamp cord and AC plug.

T-2445

Supplies: 1½ volts for 4-'26s; 2.5 volts for 2-'27; 5 volts for 2-'71As. Size, 2¾x5¾x4 ¼ in. high. Shpg. Wt., 7 lbs. **\$2.66**
4A300—List \$4.50. Your Cost

T-3081

Supplies: 1.25 volts at 3 amperes, 2.5 volts at 3½ amperes. For small sets and amplifiers. Size, 2½x3x3¼ in. high. Shpg. Wt., 4 lbs. **\$2.36**
4A301—List \$4.00. Your Cost

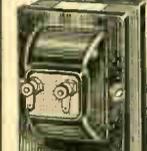
T-2504

A special filament supply for Kellogg or other similar 3 volt heater type tubes. 3 volts at 10 amperes. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.36**
4A302—List \$4.00. Your Cost

T-2610

A special filament supply for Arceturus or other similar 15 volt filament tubes. 15 volts at 2½ amperes, c.t. for 8 tubes. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.36**
4A303—List \$4.00. Your Cost

PUSH-PULL OUTPUTS T-2629



A special push-pull output transformer designed to couple the output of a 210 or 245 push-pull stage into a dynamic speaker. This Transformer replaces the one in the base of the speaker. Secondary connects directly to the moving coil having a d.c. resistance between 4 and 8 ohms. Primary 1200 ohms. Size, 3½x3x3¾ in. Shpg. Wt., 5 lbs. **\$2.36**
4A218—List \$4.00. Your Cost

T-2903 PUSH-PULL OUTPUT

Similar in appearance to above. Designed to couple the output of two 250 type tubes into a dynamic speaker. The secondary of this transformer connects directly into the moving coil of the dynamic unit. It is conservatively rated to carry the high output current and voltage of power amplifiers of this type. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs. **\$2.36**
4A238—List \$4.00. Your Cost

PENTODE OUTPUT T-4843

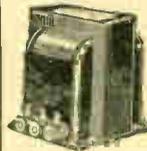
Designed for use with Single Pentode output to the moving voice coil of a dynamic speaker, having a d.c. resistance between 4 and 8 ohms. Turn ratio 30 to 1. Impedance ratio 932 to 1. Size, 2½x2½x3 in. high. Shpg. Wt. 4 lbs. **\$1.76**
4A219—List \$3.00. Your Cost



P.P. PENTODE OUTPUT T-4831

Identical to above transformer, except for push-pull pentodes in the output stage to the moving voice coil of a dynamic speaker, having a d.c. resistance between 4 and 8 ohms. Turn ratio 38 to 1, impedance of 1444 to 1. Same size and shipping weight as above. **\$2.06**
4A220—List \$3.50. Your Cost

COUPLING TRANSFORMERS FOR '10 TYPE TUBES FOR CLASS "B" OR PUSH-PULL



INPUT

OUTPUT

Thordarson has developed a pair of transformers for the new system of amplification known as Class "B" or "Push-pull" circuit. It is possible, with this system, to obtain great amounts of power output from comparatively small tubes. This system has been applied in some of the later models of battery receiving sets. It has been applied in speech amplifiers and the latest application is its use in Modulators in amateur sending stations. The Input Transformer couples a pair of '45 tubes in Push-pull to a pair of '10 tubes in Push-pull. The Output Transformer is arranged to couple a pair of '10 tubes in Push-pull to the oscillator tubes in the transmitter. The Secondary winding is arranged so that it may be coupled either to a single '10 oscillator, two '10 oscillators in Push-pull or two '10s in parallel. Circuit diagram, including power supply is available with each pair of these transformers. The input transformer size is 3½x3¾x3½ in. Output size, 3¾x4x4 in. Shpg. Wt. each 5 lbs.

Input Transformer T-5100

2A244—List \$7.50 **\$4.41**
Your Cost

Output Transformer T-5101

2A245—List \$10.00 **\$5.88**
Your Cost

Condenser Blocks for U. S. Radio & Television Co. Gloritone and Apex Receivers

Made in accordance with the original condenser blocks. These blocks will replace those in U. S. Radio & Television, Apex and Gloritone Receivers. To determine the model of receiver, check type of tubes used, number of leads on condenser and total mfd. capacity. No changes necessary to install these units. All brand new and guaranteed. The model numbers given below are for Apex receivers, but will fit those for Gloritone and U. S. Radio & Television sets.

Apex Models 28, 48 and 48A
3-24s; 2-27s; 2-45s; 1-80. 1.-3.-1.-1. mfd. Has 5 leads. Shpg. Wt., 4 lbs.
B1410—Your Cost **\$250**

Apex Model 36
4-26s; 1-27; 1-71A, and 1-80. 1.-1.-1.-1.-5.-5 mfd. 6 terminals. Shpg. Wt., 4 lbs.
B1409—Your Cost **\$440**

Apex Model 37
4-26s; 1-27; 2-71As and 1-80. 1.-1.-1.-1.-5 mfd. 8 leads. Shpg. Wt., 4 lbs.
B1408—Your Cost **\$440**

Apex Model 41
5-27s; 2-45s; 1-80. 1.-1.5.-1.-1. mfd. 4 leads. Shpg. Wt., 4 lbs.
B1407—Your Cost **\$250**

Apex Models 46, 46A, 47 and 47A
2-24s; 2-27s; 2-45s and 1-80. 1.-2.1.5.-5.-1 mfd. 5 leads. Shpg. Wt., 4 lbs.
B1405—Your Cost **\$200**

Condenser Blocks for Eveready Models 1, 2, and 3 and Bosch Model 28



This is the original condenser block and filter choke for the above Eveready and Bosch receivers. Set utilizing 4-26s; 1-27; 2-71As and 1-80 tubes. Filter choke is 30 henries at 80 ma. 2 mfd. and 4 mfd. filter condenser at 400 volt. Metal container. Shpg. Wt., 7 lbs. All brand new and guaranteed. Ideal for the new set builder and replacement in other receivers.
\$195

B1351—Your Cost, Each.....

FADA MODEL 43 CONDENSER BLOCK



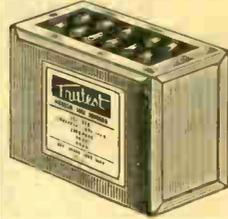
Built according to the standards of the original Fada condenser bank, No. 1865-X. Contains: 2 mfd. at 600 v., 2 mfd. at 400 v., and 2-1.0 mfd. at 400 v. Shpg. Wt., 4 lbs.
B1206—Your Cost **\$295**

GENUINE FADA CONDENSER BANKS

Refer to our listing of Guaranteed Replacement Condenser Block page in this catalog. Every Fada condenser listed is the GENUINE PART and is guaranteed brand new.

TRUTEST MAJESTIC BLOCKS

For "B" ELIMINATORS



SUPER "B" MASTER "B" SPECIAL MASTER "B"

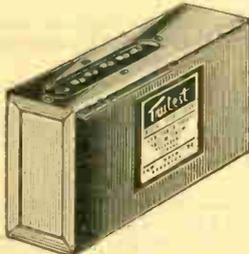
You would not want better Replacement Blocks than these sturdy units for Majestic "B" Eliminators. Made to the exact specifications of the originals from brand new, first grade merchandise, they will give you the kind of service you have a right to expect for your money. The sizes are exactly right and the electrical characteristics have been identically duplicated. Shpg. Wt., 5 Lbs.

4B848—For Majestic Super "B" **\$198**
Your Cost Each.....

4B847—For Majestic Master "B" **\$198**
Your Cost Each.....

4B846—For Majestic Special Master "B" **\$205**
Your Cost Each.....

TRUTEST MAJESTIC BLOCKS



REPLACEMENT BLOCKS for MAJESTIC 7BP6, 8BP6 9BP6 and "A" Eliminators

These TRUTEST Replacement Blocks models produce a lasting and satisfactory job—one that you will be proud of! Built especially for us, to our own high standards of excellence, from the best quality brand new materials. They are exact duplicates of the originals in every detail. Other houses are listing blocks for the Majestic models with "250" tubes at the same price they are asking for "171" and "245" units, but we have investigated them and all that we have tested contain 400 volt test condensers which can not possibly stand up under the higher plate voltage of "250" tubes. These units are guaranteed new, perfect and built to exact specifications.

For MAJESTIC 7BP6

(Sets with 171 Type Tubes)
Size: 8¼x2½x4½ ins. Shpg. Wt., 6 lbs.
4B1228—Your Cost Each..... **\$225**

For MAJESTIC 9BP6

(Sets with 245 Type Tubes)
Size: 8¼x2½x4½ ins. Shpg. Wt., 4 lbs.
4B1229—Your Cost Each..... **\$225**

For MAJESTIC 8BP6

(Sets with 250 Type Tubes)
1000 Volt test Condensers. Size: 8¼x2½x4½ ins. Shpg. Wt., 6 lbs.
4B1230—Your Cost Each..... **\$295**

For MAJESTIC "A" ELIMINATORS

Size: 3¼x3¼x7¾ ins. Shpg. Wt., 4 Lbs.
4B1235—Your Cost Each..... **\$275**

GENUINE ATWATER-KENT CONDENSERS

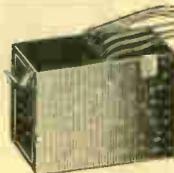
For MODEL 45

A. K. Part No. 14247, Condenser Block. Shpg. Wt., 4 Lbs.
4B1370—Your Cost **\$195**



For MODELS 46, 47, 53

A. K. Part No. 14743, Condenser Block. Shpg. Wt., 4 lbs. **\$195**
4B1369—Your Cost.....



CONDENSER BLOCKS For Model 36 "Y" Power Unit

These condenser blocks are the Genuine Atwater-Kent replacement used in the Model 36, "Y" Power Unit. All brand new and in perfect condition. Shpg. Wt., 7 lbs.
4B1380—SETS HAVING SERIAL NUMBER BELOW 260,000
4B1382—SETS HAVING SERIAL NUMBER ABOVE 260,000 **\$195**
Your Cost, either type.....

TRUTEST CONDENSER BLOCKS

For A.K. 37 and 38



\$185

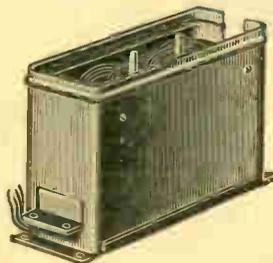
These blocks, built to the exact specifications of the originals contain filter condenser block and 3 chokes, two high voltage filter chokes and one speaker choke. By placing an order for a huge quantity of these units we are in a position to bring the Serviceman a thoroughly reliable unit for about the same price others are asking for surplus and deteriorated materials. These are brand new and Guaranteed. Why take a chance with others? Shipping weight, 7 lbs.

4B1378—Your Cost Each..... **\$185**

GENUINE ATWATER-KENT POWER UNITS

For Models 42, 44, 45 and 52

These Power Units are the Genuine Atwater-Kent (late improved model) replacements used in the above receivers. Has 90 volt primary to be used in conjunction with Line Ballast. All brand new and guaranteed. Packed in original cartons. Shpg. Wt., 17 lbs.
4B1376—List, \$21.75 **\$385**
Your Cost, Special.....



Trutest A. K. Power Units Similar in appearance to above

These are the first high quality replacement power packs to be offered for Atwater-Kent Receivers. Heretofore Servicemen have had to accept makeshift packs assembled from reclaimed and surplus material, which naturally gave poor and short-lived service. By contracting for a large quantity of these units we were able to get packs made up Shpg. Wt., 17 lbs.

from brand new first quality materials that were made especially for the purpose. They are equal or superior to the original units and we Guarantee them to give you satisfactory service. Color coded exactly like the originals so that you will have no trouble installing them. Shpg. Wt., 19 lbs.

For Models 40, 56 and 57

4B1381—Your Cost **\$525**

For MODELS 43, 46, 47 and 53

4B1375—Your Cost **\$750**

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. **\$215**
2B1020—List \$19.20. Your Cost

RADIOLA MODELS 44-46-47

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. List \$19.00 **\$270**
2B1016—Your Cost

**Radiola Model 60
Graybar Model 60
Brunswick Model 5N0**

Part No. 8316
An exact duplicate of the original Radiola filter condenser. Contains: Three 2 mfd. four .5 mfd. and output choke. Shpg. Wt. 6 Lbs. **\$275**
2B1015—List \$16.50. Your Cost

**Graybar Model 62
Radiola Model 62
Brunswick 3NC8, 5NC8**

Part No. 8393
The original Radiola replacement filter condenser for the above models. Contains: One 4 mfd. two 3.5 mfd. one 1 mfd. three .5 mfd. Shpg. Wt. 6 lbs. **\$275**
2B1014—Your Cost

**Filter Capacitor
For Field Supply Unit**

Part No. 8384
For above model receivers. Original RCA part. Contains: One 4 mfd. two .1 mfd. Shpg. Wt. 4 lbs. List \$8.25. **\$295**
2B1013—Your Cost

Coupling Unit

Part No. 8383
For above model receivers. The original RCA part. Contains: One audio transformer output to the voice coil of the dynamic speaker. One .5 mfd. condenser and a 12 henry choke. Shpg. Wt. 7 lbs. **\$325**
2B1012—List \$12.00. Your Cost

**AUDITORIUM
RADIOLA-PHONOGRAPH**

**Radiola Model 66
Graybar Model 600
Part No. 8487**

Original Radiola part. Contains: Two 2 mfd. one 1 mfd. one .5 mfd. and a 515 ohm output choke. Shpg. Wt. 6 lbs. **\$160**
2B1010—List \$14.25. Your Cost

Radiola 18-33-51

Brunswick, 2Kro, 3Kro, 3Krf6, 5Kr, 5Kro, 5Krf6, 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.



2B1019—List \$7.40
Your Cost

**Radiola Model 64
Victor Models 9-18, 9-54**

Part No. 5862 By-pass Assembly
The Original Radiola By-pass Condenser Assembly. Contains: One 2 mfd. Two 1.5 mfd. and Three 1 mfd. Shpg. wt., 3 lbs. 2B1008—List, \$9.90 **\$150**
Your Cost



Radiola Model 67
Part No. 8498 By-Pass Assembly
Similar in appearance to above; Original Part. Contains: One 2 mfd. Two 1.5 mfd. and Three 1 mfd. Shpg. Wt., 3 lbs. **\$155**
2B1006—List \$9.75. Your Cost



**Fada Model 70
Condenser**

Made exactly like the original Fada block. Guaranteed. Shpg. Wt. 5 lbs.

2B1197— **\$425**
Your Cost

**Majestic 90-B
Condenser**

An exact Duplicate of the Original Majestic Filter Condenser, in size and electrical characteristics. It contains: Three 2 mfd. and One 1 mfd. Shpg. Wt., 6 lbs. 2B1065— **\$175**
Your Cost



Edison By-Pass Assembly



Genuine Edison By-pass assembly, used in their receivers. Contains: Five .1 mfd. at 300 volts; one .5 mfd. 300 volts; two .1 mfd. at 150 volts. Size, 4 1/4 x 2 1/4 x 1 1/2 inches. Shpg. Wt. 3 lbs. Very compact. 2B520— **\$29c**
Your Cost, Each

**Radiola Model
41 A.C.**

The original condenser banks used in Radiola Model 41. Shpg. Wt., 4 Lbs. Receptor Power Pack 2B1004—RCA No. **\$325**
#40—Your Cost



**Faradon Capacitors for
R. C. A. 30-A DC**

Faradon No. WS 3787, RCA Filter and By-pass Condenser block, 11.5 mfd. 2B1001—Shpg. wt. 3 1/2 lbs. **\$195**
Your Cost



**For RADIOLA MODEL
30-A A.C.**

Faradon WS 3781, RCA Part No. 5674, Filter and By-pass condenser block, 15. Mfd. 2B1017—Shpg. wt. 4 lbs. **\$445**
Your Cost

**Majestic Model 20 Chassis
Condenser Bank and Input
P. P. Transformer**

Replacement for the Original Majestic Condenser and P.P. Input Transformer Assembly, part No. 3887. Contains: Two 2 mfd. Two 1 mfd. and P.P. Input transformer. Shpg. Wt. 6 lbs. List Price \$20.00 **\$275**
4C1064—Your Cost



**Radiola Model 64
Victor Models 9-18, 9-54
Part No. 8368 Filter Capacitor**

The Genuine Radiola Filter Condenser Bank. Contains: Four 4 mfd. One 2 mfd. and Two 1 mfd. Do not confuse this block with the inferior cheap condenser block now on the Radio market. 1,000 volt condensers Block. Shpg. Wt., 13 lbs. 2B1011—List Price, \$30.60. **\$950**
Your Cost



**PHILCO
FILTER
CONDENSERS
Original
Replacements**

Model 65
Philco No. 3515, 5.15 Mfd., total capacity. Shpg. Wt., 5 Lbs. **\$225**
2B1029—Your Cost

Model 82
Philco No. 3279, 12.115 Mfd., total capacity. Shpg. Wt., 7 Lbs. **\$225**
2B1028—Your Cost

Model 86
Philco No. 3246, 9.115 Mfd., total capacity. Shpg. Wt., 6 Lbs. **\$225**
2B1027—Your Cost

Model 87
Philco No. 3401, 8.265 Mfd., total capacity. Shpg. Wt., 5 Lbs. **\$225**
1B1026—Your Cost

Zenith Replacement 22-59

The Official replacement condenser for Zenith Radio. Can also be used as a general replacement. Black common, Green 2 mfd, Blue 4 mfd, yellow 4 mfd, two Whites .25 mfd. Size 6 1/2 x 4 1/2 x 2 1/2 ins. Shpg. Wt., 5 Lbs. 2B863—Your Cost Special. **95c**



**VICTOR FILTER BANK
R-32, RE-45, R-52, RE-75
Guaranteed Replacement**



All brand new blocks and guaranteed against defects. Each unit is given a severe test before leaving our testing laboratories. Shpg. Wt. 8 lbs. 2B890— **95c**
Your Cost

**General Motors Model "A"
Chassis: 120, 130, 140, 150,
160. Filter Block**

Made expressly for the above series of General Motors model receivers. Will fit the chassis exactly; changes are unnecessary. Guaranteed. Shpg. Wt. 8 lbs. 2B1125— **\$295**
Your Cost



**STROMBERG-CARLSON
FILTER**

Models 635, 636
The original Stromberg-Carlson filter condenser. Total capacity 23 mfd. Shpg. Wt. 11 lbs. 2B918— **\$375**
Your Cost



KOLSTER K-43

The original Dubilier Type PL 1557 Filter Condenser for the Kolster K-43. 5.1 mfd. total capacity. Shpg. Wt. 3 lbs. 2B1334— **\$195**
Your Cost

GUARANTEED REPLACEMENT CONDENSER BLOCKS

		Stock No.	Your Cost			Stock No.	Your Cost			Stock No.	Your Cost	
ALL AMER. MOHAWK				EVEREADY				Model 64 Filter Block..			2B1011	\$9.50
Model "F"	2B1424	\$4.90	Models 30, 40, and 50		Model 66 Filter Block..			2B1010	1.60			
Model A-8	2B1423	2.55	Series	2B1210	\$3.50	Model 66 By-Pass Unit..			2B1009	5.75		
Model A-10	2B1422	4.90	FADA			Model 64 By-Pass Unit..			2B1008	1.50		
Model Lyric No. 90	2B1421	3.35	Models 25, No. 1780X ..	2B1205	4.15	Model 67 Filter Block..			2B1007	13.50		
Model Lyric "D"	2B1420	3.75	Models 35, 35Z, No. 1790X ..	2B1203	5.60	Model 67 By-Pass Unit..			2B1006	1.55		
APEX			Model 25 and 35 (Late)	2B1201	5.10	Models 80, 82, and 86..			2B1005	4.25		
Model 28	2B1410	2.50	No. 1801X ..	2B1199	5.10	Model 41 Receptor Pack..			2B1004	3.25		
Model 36	2B1409	4.40	No. 1830X, 44, 46, 47	2B1197	4.25	Model 41 Sterling Pack..			2B1003	4.75		
Model 37	2B1408	4.40	Models 50, 70, 71, 72, 75, 77, No. 1492MS ..	2B1180	2.40	SPARTON						
Model 41	2B1407	2.50	FEDERAL			Model AC-5			2B980	2.75		
Models 46 and 46-A ..	2B1406	2.00	Model "H"	2B1179	1.90	Models AC-7, 62 and 63 ..			2B979	4.95		
Models 47 and 47-A ..	2B1405	2.00	Model "K"	2B1245	2.75	Model 109			2B978	2.50		
Models 48 and 48-A ..	2B1404	2.50	Models 55 and 56	2B1244	2.75	Sparks Ensemble and DeLuxe			2B977	2.95		
Model 80	2B1403	3.50	Models 65, 78, 79, 90, and 95	2B1170	3.25	Model 89-A			2B976	2.95		
ARGUS			FREED			Models 69, 79 and 89 ..			2B975	2.75		
Model 191-210	2B1390	6.10	Models 55 and 56	2B1167	3.25	Model 301-A			2B974	5.90		
ARBORPHONE			Models 65, 78, 79, 90, and 95	2B1166	3.25	Model 930			2B973	2.50		
Model 45	2B1385	4.90	FREED-EISEMANN			SONORA						
ATWATER-KENT			Model NR 57	2B1164	2.90	Model B-30, B-31			2B950	2.10		
Model 36 Condenser Block (Serial below 260,000)	2B1380	1.95	Model NR 70	2B1163	3.25	Model DeLuxe 44			2B949	7.90		
Model 36 Condenser Block (Serial above 260,000)	2B1382	1.95	Model NR 80	2B1162	3.25	STEINITE						
Model 37-38 Condensers Only (No chokes) ..	2B1379	1.25	Model NR 85	2B1155	2.25	Model 40			2B940	4.25		
Model 37-38 Condenser and Choke Assembly ..	2B1378	1.85	Model 411	2B1154	2.95	Model 50			2B939	5.95		
Model 40 Condenser Only	2B1377	1.35	Model 480 A.C.	2B1153	3.95	Model 70			2B938	4.20		
Model 45 Condenser Assembly	2B1370	1.95	Model 480 D.C.	2B1152	2.75	Model 261			2B937	2.95		
Models 46, 47 and 53 Condenser Assembly ..	2B1369	1.95	FRESHMAN			Model 991			2B936	4.35		
Models 42, 44, 45 and 52 Complete Power Unit	2B1376	5.25	Model "Q"	2B1151	3.25	STEWART-WARNER						
Models 40, 56 and 57 Complete Power Unit ..	2B1381	5.25	Model "QD"	2B1150	2.15	Models Using Majestic Power Unit			2B930	4.10		
Models 43, 46, 47 and 53 Complete Power Unit ..	2B1375	7.50	Model N (all models) ..	2B1020	2.70	Model 900 A.C. Series No. 61303			2B929	1.75		
Models 55 and 60	2B1374	1.10	Model 62. Condenser Block	2B1016	2.75	Model 900-950 A. C. Series. Condenser and Choke Assembly			2B928	4.90		
Model 66	2B1373	1.10	Model 62. Field Supply Filter	2B1015	2.75	STROMBERG-CARLSON						
Model 70	2B1371	1.10	Model 62. Coupling Unit	2B1014	2.75	Models 10 and 11			2B920	4.95		
BALKEIT			Model 600 ..	2B1012	3.25	Models 12 and 14			2B919	5.10		
Model "C"	2B1355	3.90	Model 600. By-Pass Assembly ..	2B1010	1.60	Models 635, 636			2B918	3.75		
BOSCH			Models 700, 770, 900 ..	2B1009	5.75	Model 638			2B917	3.75		
Model "Little Six" ..	2B1350	4.90	Models 700, 770, 900 ..	2B1005	4.25	Models 641, 642, 652 and 654			2B916	5.50		
Model 28	2B1349	3.50	GENERAL ELECTRIC			Models 846 and 848 ..			2B915	4.50		
Model 29-825	2B1348	4.90	Models H-31, 51, and 71 ..	2B1005	4.25	TEMPLE						
Model 48	2B1347	2.50	GREBE			Models 860, 880, 890 ..			2B905	5.90		
Models 58 and 60	2B1346	2.95	Model AC-6	2B1130	3.50	Model 761			2B904	4.40		
Models 5 and 5-A	2B1345	1.85	Model SK-4	2B1129	2.25	VICTOR						
BRANDES			GENERAL MOTORS			Models 9-18, and 9-54 ..			2B1011	9.50		
Models B-10 and B-11 ..	2B1335	.75	Models 120, 130, 140, 150, 160. "A" Chassis ..	2B1125	3.95	Models AP, 736, Power Unit			2B891	4.75		
Models B-15 and B-16 ..	2B1334	1.95	GAROD			Models R-32, RE-45, R-52, RE-75			2B890	.95		
BREMER TULLY			Model "EA" (5 leads) ..	2B1115	4.90	Models 35, 39, and 57 ..			2B889	4.25		
Models 8-20A, 8-21A ..	2B1325	4.90	Model "EA" (2 leads) ..	2B1114	3.90	ZENITH						
Models 6-40, 6-41	2B1324	5.20	HAMMARLUND			Model ZE-10 Power Unit No. 22-40			2B870	3.75		
Models 7-70, 7-71	2B1323	5.20	Model HIQ 30	2B1105	4.90	Models ZE-11, Z-14 Power Unit No. 22-41 ..			2B869	3.50		
Models 81 and 82	2B1322	.49	KING			Model ZE-13 Power Unit No. 22-46			2B868	4.95		
BRUNSWICK			Model "J"	2B1100	4.60	Model ZE-16 Power Unit No. 22-48			2B867	6.90		
Models PR-17-8	2B1020	2.15	KOLSTER-COLUMBIA			Model ZE-17 Power Unit No. 22-49 ..			2B866	6.90		
Models 2KR0, 3KR0 ..	2B1019	.43	Model 6-H	2B1090	1.95	Model ZE-18 Power Unit No. 22-57 ..			2B865	4.70		
Models 2KR0, 5KR0 ..	2B1015	2.75	Models 6J, 6K, 6R	2B1089	3.25	Model Super-Het.; 11, 12, 14			2B864	3.50		
Model 5N0 power unit ..	2B1015	2.75	Models K-20, 22, 25, 27 ..	2B1280	2.50	ALL AMER. MOHAWK						
Models 3NC8, 5NC8 ..	2B1014	2.75	Models K-21, K-23	2B1088	2.95	A & B ELIM. Condenser Block			2B895	4.25		
Models 3NC8, 5NC8 ..	2B1013	2.95	Model K-24	2B1278	3.50	DUMONT						
Field Supply Filter	2B1013	2.95	Model K-43, K-48	2B1334	1.95	"A" Eliminator Block ..			2B858	1.95		
Models 3NC8, 5NC8 ..	2B1012	3.25	Model K-44	2B1087	2.25	FADA "ABC" POWER PACK						
Coupling Unit	2B1012	3.25	Model K-45	2B1086	3.60	"A" Condenser			2B857	1.95		
Models S-14 and S-21 ..	2B1322	.49	MAJESTIC			"B" Condenser Block ..			2B856	4.90		
Models 15 and 22	2B1309	3.60	Model 70, Series 7PB6 ..	2B1070	2.25	FRANCE						
Models 81 and 82	2B1322	.49	Power Unit	2B1069	3.75	Model 102 "A" Elim.			2B855	2.30		
COLONIAL			Model 80-180, 8PB6 ..	2B1069	3.75	FARRAND						
Model 50 AC. (R-6238) ..	2B1300	2.25	Power Unit	2B1067	2.25	"B" Elim. Condenser ..			2B854	3.90		
COLUMBIA RADIO			Model 90-B, 100-B	2B1065	1.75	EXIDE WILLARD						
Model Screen Grid 8 ..	2B1290	2.95	Model 50	2B1063	2.95	Eliminator Condenser ..			2B853	4.90		
COLUMBIA-KOLSTER			PEERLESS			GREENE AND BROWN						
Models C-1, C-3	2B1280	2.50	Model 65	2B1045	3.60	"A" Elim. Condenser ..			2B852	3.50		
Model C-5	2B1278	3.50	Model 70	2B1044	2.95	"B" Hi-Power Cond.			2B851	3.95		
Models C-6, C-7	2B1277	2.25	PHILCO			"B" Super Condenser ..			2B850	4.15		
Model 930, 931, 961 ..	2B1275	3.50	Model 20	2B1030	4.40	MAJESTIC						
Model 930-300	2B1273	3.50	Model 65	2B1029	2.25	"A" Elim. Condenser ..			2B849	2.75		
DAYFAN			Model 82	2B1028	2.25	"B" Super Condenser ..			2B848	1.98		
Model 5091	2B1255	5.10	Model 86	2B1027	2.25	"B" Master Condenser ..			2B847	1.98		
DAYTON			Model 87	2B1026	2.25	"B" Special Master Condenser ..			2B846	2.25		
Model AC-63	2B1250	3.75	Model 511	2B1025	3.75	PHILCO						
Model 5309-A	2B1249	3.90	RCA-RADIOLA			"ABC" Elim. "B" Condenser			2B845	3.40		
EARL, C. A.			Models 17 and 50	2B1020	2.15	STERLING						
Models 21 and 22	2B1245	2.75	Models 18, 33, and 51 ..	2B1019	.39	"A" Elim. Condenser ..			2B844	3.90		
Models 31, 31S, 32, 32S, 33, 33S, and 41	2B1244	2.75	Model 30-A Filter	2B1018	6.75	SENTINEL						
EDISON			Model 30-A By-Pass	2B1017	4.45	"B" and "C" Elim. Condenser ..			2B843	4.35		
Models R-1, R-2, C-2 ..	2B1220	4.90	Models 44, 46 and 47 ..	2B1016	2.70							
Models R-4, R-5, C-4 ..	2B1219	5.90	Model 60	2B1015	2.75							
Models R-6, R-7	2B1218	3.50	Model 62 Filter	2B1014	2.75							
			Model 62 Field Filter ..	2B1013	2.95							
			Model 62 Coupling Unit ..	2B1012	3.25							



FLECHTHEIM SUPERIOR CONDENSERS Midget Condensers

Completely encased in very small metal containers. Can be used in a variety of places in any circuit up to 500 volts D.C. Shpg. Wt. 2 oz.

Stock No.	Capacity	Your Cost	Stock No.	Capacity	Your Cost
4D2800	.0001	\$.20	4D2806	.004	\$.22
4D2801	.0002	.20	4D2807	.005	.25
4D2802	.00025	.20	4D2808	.006	.25
4D2803	.0005	.20	4D2809	.01	.28
4D2804	.001	.22	4D2810	.02	.30
4D2805	.002	.22	4D2811	.05	.38

SUPERIOR BY-PASS AND Filter Condensers

Both types are non-inductive. By-Pass are rated at 250 volts D.C. and Filter at 450 volts D.C. Quiet and dependable in operation. For use in all low voltage circuits.



BY-PASS			FILTER		
Stock No.	Capacity	Your Cost	Stock No.	Capacity	Your Cost
4D2825	.1	\$.27	4D2831	.1	\$.30
4D2826	.25	.30	4D2832	.25	.32
4D2827	.5	.32	4D2833	.5	.35
4D2828	1.0	.38	4D2834	1.0	.50
4D2829	2.0	.60	4D2835	2.0	.76
4D2830	4.0	1.15	4D2836	4.0	1.35

UNCASED CONDENSERS



For repairing sets, power packs, etc. A neat, compact, thoroughly dependable condenser for general work. Rated at 600 volts D.C. Size 2 x 1 3/4 inches. Furnished with rubber covered wire leads. 600 volts D.C. 440 RMS. RAC.

Stock No.	Capacity	Your Cost
4D2819	.10 mfd.	\$.24
4D2820	.25 mfd.	.24
4D2821	.50 mfd.	.30
4D2822	1. mfd.	.46
4D2823	2. mfd.	.66
4D2824	4. mfd.	1.25

1000-Volt Compact Filter

Here is indeed a revelation in Condenser construction! A 1,000 Volt Condenser in a By-Pass size. Unbelievably small, the new "Universal" can be used in Power Packs with utmost satisfaction and reliability. Their acceptance by builders of the Loftin-White direct coupled amplifiers is added proof of their dependability at high voltage. These condensers are only 2 inches high overall and 1 1/2 inches wide overall. Ideal for replacing high voltage condensers where space is limited. 2 and 4 Mfd. are 4 1/2 x 2 3/4 inches.

Non-inductive for use in 171 and 245 and 250 type amplifier power packs, etc. Rated at 660 rms RAC.



Stock No.	Capacity	List Price	Your Cost
4D2812	.05 mfd.	\$1.00	\$.57
4D2813	.10 mfd.	1.10	.60
4D2814	.25 mfd.	1.20	.65
4D2815	.5 mfd.	1.30	.70
4D2816	1. mfd.	1.75	.90
4D2817	2. mfd.	2.75	1.50
4D2818	4. mfd.	4.50	2.80

Those requiring Special Condensers or items not listed in this catalog, are requested to write us their requirements. We can supply any type or size of Condenser at most reasonable prices.

SPARTON REPLACEMENT Tubular Condensers

Made expressly for replacement in all Sparton receivers. Guaranteed to outperform their predecessors. Available in the following capacities. Shpg. Wt. 3 oz. 2B511—25 mfd. 2B513—1.0 mfd. 2B512—50 mfd. Your Cost Each **35c**



A.K. BY-PASS CONDENSER



Part 1515B

An exact replica of the original Atwater Kent By-Pass condenser for their receivers. Shpg. Wt. 1 lb. 2B510—Your Cost **80c**

ATWATER KENT BY-PASS CONDENSERS

Genuine Replacements



Condensers for all Late Model receivers. **DETECTOR BY-PASS CONDENSERS**
A.K. part No. 15263—Condenser B-2, H-2.
4B1425—A.K. part No. 16745—Condenser H-7, H-8, H-13. **50c**

Your Cost, either type **50c**
R.F. BY-PASS CONDENSERS
A.K. part No. 16462—Condenser H-5, H-11.
4B1427—A.K. part No. 15262—Condenser B-1, H-1, H-9, H-20. **50c**

Your Cost, either type **50c**
R.F. BY-PASS CONDENSER



For Models 37, 38, 40, 42, 44, and 46. Made by Aerovox. The very best by-passes obtainable for these receivers. Guaranteed. Shpg. Wt. 8 ounces. 4D3960—Your Cost each **78c**

SPEAKER BY-PASS CONDENSER

For Atwater Kent Models 37, 38, 40, 46, 42, 44. Made by Aerovox. Guaranteed to give service equal or superior to the originals. No better obtainable at any price. Shipping weight 4 oz. 4D3961—Your Cost each **60c**



For VICTOR MODELS

R-32 RE-45 R-52 RE-75

Part No. 60074: .1 .1 .125 Mfd. 2B478—Your Cost **20c**
Part No. 60564: .1 .1 .1 Mfd. 2B479—Your Cost **20c**
Part No. 60835: .1 Mfd. 2B480—Your Cost **15c**



RCA-VICTOR BY-PASS CONDENSERS GENUINE REPLACEMENTS

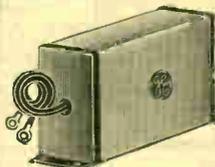
RCA MODEL 33-A.C.
Part No. 5996—One .5 mfd. Three .1 mfd. 4B522—Your Cost Each **29c**
RCA MODEL 18 AND 51
Part No. 2241—Four 1/2 mfd. 4B483—Your Cost Each **35c**
Shpg. Wt. 1 lb.

A.K. FILTER CONDENSERS Genuine Replacements

Models 55 and 60
Part No. 14320. Condenser Code 1-A-5. 4B1374—Your Cost **\$1.20**
Model 66
Part No. 14880. Condenser Code E-1. 4B1373—Your Cost **\$1.20**
Model 70 (L Chassis)
Part No. 15480. Code 1-E-3 (5 taps) 4B1371—Your Cost **\$1.20**
Shpg. Wt., 5 lbs.



GENERAL ELECTRIC Condenser 4 1/2 Mfd. 300 Volts



Genuine G. E. Filter condenser for amplifiers and Public Address systems. Metal container. Size 5 1/4 x 1 3/8 x 2 3/4 Ins. high. Flexible insulated leads. Shpg. wt. 3 lbs. 2B477—List \$4.00 Your Cost, Special **69c**

GENERAL ELECTRIC 3 Mfd. 600 Volts VICTOR RE-45—RE-75

The official replacement part No. DL 2961390, for the above Victor sets. 115 A. C. volt rating. Metal container. Size 2 3/4 x 5 3/4 in. Mounting bracket. Flexible leads. Shpg. wt. 2 lbs. 2B487—Your Cost **45c**



OZARKA RADIO FILTER CONDENSER



General purpose replacement filter condenser bank. Consists: Two 2 mfd. One 4.5 mfd. and Two .5 mfd. at 400 v. D. C. in metal container. Size 2 1/2 x 2 5/8 in. high with mounting flange. 2B489—Shpg. wt. 3 lbs. Your Cost, Special **49c**

FARADON CONDENSER 4 Mfd—300 Volts

An exceptional fine condenser for general replacement work. Replaces sections that are blown in power packs, units, "B" Eliminators and amplifiers. Sturdy and moisture-proof container. Size, 4 1/2 x 2 3/4 x 1 1/8 inches. Conservative rating of 300 volts, at 4 Mfd. Shpg. Wt., 1 1/2 lbs. 2B685—Your Cost Each **35c**
In Lots of Ten **30c**



TRUTEST SUPER-POWER CONDENSERS

These filter condensers are all non-inductively wound. The dielectric material employed is 100% pure linen paper, free from acid, alkali, bleaching material and impurities. They are thoroughly impregnated with high melting point compound to protect them against the heat development in high power units.



Cat. No.	Capacity	D.C.W.V.	Your Cost
2E5440	1. mfd.	400	\$0.62
2E5441	2. "	400	.90
2E5442	4. "	400	1.75
2E5443	1. "	600	.95
2E5444	2. "	600	1.35
2E5445	4. "	600	2.45
2E5446	1. "	800	1.10
2E5447	1. "	1000	1.50
2E5448	2. "	1000	2.95
2E5450	4. "	1000	5.25



AEROVOX BY-PASS CONDENSER



These condensers are probably better known to Manufacturers and Servicemen than any line of By-passes on the market. They are available in capacities and voltage ratings used in standard radio circuits and are therefore particularly suitable for replacement work. Sections are hermetically sealed in stamped metal cases. Mounted by means of one strip on each end of can; $\frac{1}{8}$ inch hole.

Type 60 Single Section

Size $2\frac{1}{2}$ in. long, $\frac{3}{8}$ in. wide, $\frac{1}{2}$ in. high.

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3874	.05	200	\$.25
2D3875	.1	200	.25
2D3876	.25	200	.29
2D3877	.5	200	.32
2D3878	.05	300	.28
2D3879	.1	300	.28
2D3880	.25	300	.36
2D3881	.05	400	.30
2D3882	.1	400	.30
2D3883	.25	400	.39

Type 60 Multiple Section

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3884	.1-1	200	\$.39
2D3885	.25-25	200	.48
2D3886	.1-1-1	200	.54
2D3887	.1-1	300	.42
2D3888	.1-1	400	.45



Type 61 Single Section

Size $2\frac{1}{8}$ in. long, $1\frac{1}{8}$ in. wide, $\frac{1}{2}$ in. high (* $1\frac{1}{8}$ in. high)

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3889	1.	200	\$.51
2D3890	.5	300	.48
2D3891*	1.	300	.72
2D3892	.5	400	.51

Type 61 Multiple Section

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3893	.5-5	200	.63
2D3894	.25-25	300	.60
2D3895	.5-5	300	.81
2D3896	.1-1-1	400	.72
2D3897	.25-25	400	.66



Type 62 Single Section

Size $2\frac{3}{4}$ in. long, $2\frac{1}{4}$ in. wide, $1\frac{1}{2}$ in. high (* $1\frac{1}{2}$ in. high.)

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3898*	2.	200	\$.87
2D3899	1.	400	.75

Type 62 Multiple Section

Stock Number	Cap'y Mfd.	Work'g Voltage	Your Cost Each
2D3900	1-1.	200	.96
2D3901	.5-5	400	.90



AEROVOX HI-FARAD DRY ELECTROLYTIC CONDENSERS

Contain no liquid to spill or freeze. May be mounted in any position.

These AEROVOX DRY Electrolytic Condensers are the latest development in the field. Their DRY characteristics make it possible to mount them upright, horizontally or at any desired angle. All units are made for universal mounting. They may be handled and mounted in the same manner as wax paper units. Their cost Per Microfarad is very low which permits the attainment of a high degree of filtering with consequent improvement in tone and elimination of hum. Their high voltage characteristics (500 volts D.C. peak without series connection) permits their practical use in most of the standard comparatively high voltage power supply filter circuits. Self healing and surge proof. Compact and light in weight. Unaffected by temperature. Leakage current very low.

Type E Upright Mounting

Stock No.	Cap'y of Sections	Total Cap'y.	Peak DC Volts	Work'g. Volts	Size In. Dl.—Hl.	Your Cost
2D3502	4	4	500	450	1 $\frac{1}{2}$ x2 $\frac{3}{4}$	\$.84
2D3503	8	8	500	450	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.02
2D3516	10	10	500	450	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.26
2D3510	20	20	500	450	2 $\frac{1}{2}$ x4 $\frac{1}{4}$	2.10
2D3511	30	30	500	450	3 x4 $\frac{1}{4}$	3.00
2D3504	8-8	16	500	450	2 $\frac{1}{2}$ x4 $\frac{1}{4}$	1.95
2D3505	8-8-8	24	500	450	3 x4 $\frac{1}{4}$	2.70
2D3506	8-8-8-8	32	500	450	3 x4 $\frac{1}{4}$	3.60
2D3507	2-4-8	14	500	450	3 x4 $\frac{1}{4}$	3.40
2D3508	2-8-8	18	500	450	3 x4 $\frac{1}{4}$	2.85
2D3509	2-8-16	26	500	450	3 x4 $\frac{1}{4}$	3.00
2D3500	5	5	200	180	1 $\frac{1}{2}$ x2 $\frac{3}{4}$.81
2D3512	10	10	200	180	1 $\frac{3}{4}$ x4 $\frac{1}{4}$.93
2D3501	15	15	200	180	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.02
2D3517	20	20	200	180	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.20
2D3518	25	25	200	180	2 $\frac{1}{2}$ x4 $\frac{1}{4}$	1.50
2D3519	50	50	200	180	2 $\frac{1}{2}$ x4 $\frac{1}{4}$	2.25
2D3524	75	75	200	180	2 $\frac{1}{2}$ x4 $\frac{1}{4}$	3.15
2D3513	25	25	25	20	1 $\frac{3}{4}$ x1 $\frac{3}{4}$.63
2D3514	1500	1500	12	10	1 $\frac{1}{2}$ x4 $\frac{1}{2}$ x5 $\frac{1}{2}$	2.10
2D3515	2000	2000	12	10	1 $\frac{1}{2}$ x4 $\frac{1}{2}$ x5 $\frac{1}{2}$	2.40
2D3536	4000	4000	12	10	2 $\frac{1}{2}$ x4 $\frac{1}{2}$ x5 $\frac{1}{2}$	4.50

PRICES INCLUDE UNITS COMPLETE WITH MOUNTING RINGS

Type I Inverted Insulated Mounting

Stock No.	Cap'y of Sections	Total Cap'y.	Peak DC Volts	Work'g. Volts	Size In. Dl.—Hl.	Your Cost
2D3520	4	4	500	450	1 $\frac{1}{2}$ x2 $\frac{3}{4}$.84
2D3521	6	6	500	450	1 $\frac{3}{4}$ x4 $\frac{1}{4}$.96
2D3522	8	8	500	450	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.02
2D3523	10	10	500	450	1 $\frac{3}{4}$ x4 $\frac{1}{4}$	1.26

Type "S" Screw Mounting, Top Connected

Stock No.	Capacity	Total Capacity	Peak Voltage	Working Voltage	Size Diam. High	Your Cost
2D3540	1	1	1 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	\$.60
2D3541	2	2	1 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	.72
2D3542	4	4	1 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	.84

AEROVOX HI-FARAD DRY ELECTROLYTIC CONDENSERS In Cardboard Containers



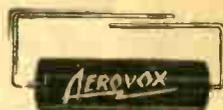
These units have exactly the same electrical characteristics as the Hi-Farad Dry Electrolytics in metal containers but have been enclosed in paper to reduce their cost to a minimum. Sturdily constructed with terminals securely riveted. Operate perfectly over a wide range of temperatures. May be mounted very close to each other without causing electrostatic coupling.

Stock No.	Capacity	Peak Voltage	Working Voltage	Size L. W. D.	Net Each
2D3525	1	500	450	2 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.48
2D3526	2	500	450	2 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.57
2D3527	4	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.66
2D3528	5	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.72
2D3529	6	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.78
2D3530	8	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " $\frac{5}{8}$ "	.87
2D3531	2-2*	500	450	2 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " 1 $\frac{1}{4}$ "	.90
2D3532	4-4*	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " 1 $\frac{1}{4}$ "	1.08
2D3533	4-8*	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " 1 $\frac{1}{4}$ "	1.26
2D3534	6-8*	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " 1 $\frac{1}{4}$ "	1.35
2D3535	8-8*	500	450	4 $\frac{1}{2}$ " 1 $\frac{3}{4}$ " 1 $\frac{1}{4}$ "	1.47

(* Dual section; capacity of each section.)

THE AEROVOX RESEARCH WORKER

FREE: Write to us for this interesting Technical Monthly Bulletin. Useful information on the design problems of radio receivers and amplifiers with special attention to the proper use of condensers and resistors is given in each issue. A request to be placed on the mailing list for the Research Worker will bring you this interesting and helpful periodical regularly without charge or obligation. Send for it.



AEROVOX Cartridge Condensers

Especially suitable for radio service work because of their high quality and low cost. Wax impregnated, paper wrapped. Very compact. Non-inductive. High insulation resistance.

Stock No.	Cap'y	Working Voltage	Net Each
2D3910	.006	200	\$.12
2D3911	.01	200	.12
2D3912	.015	200	.12
2D3913	.02	200	.12
2D3914	.03	200	.12
2D3915	.05	200	.14
2D3916	.1	200	.16
2D3917	.25	200	.21
2D3918	.5	200	.33
2D3933*	.1-1	200	.30
2D3919	.006	400	.14
2D3920	.01	400	.14
2D3921	.015	400	.14
2D3922	.02	400	.14
2D3923	.03	400	.14
2D3924	.05	400	.16
2D3925	.1	400	.19
2D3926	.25	400	.30
2D3934*	.1-1	400	.43
2D3927	.006	1000	.21
2D3928	.01	1000	.21
2D3929	.015	1000	.21
2D3930	.02	1000	.21
2D3931	.03	1000	.21
2D3932	.05	1000	.27

(* Dual Sections; cap'y of each section.)



Aerovox Filter Condensers

Non-inductive. Paper dielectric. Ideal for by-passing 90, 135 and 180 volt taps of voltage divider circuit. Metal cans.

Stock No.	Cap'y Mids.	Size Inches	Your Cost
2D3939	1	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{3}{4}$ "	\$.33
2D3940	1.0	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{3}{4}$ "	.54
2D3941	2.0	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	.90
2D3944	1	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x $\frac{3}{4}$ "	.39
2D3945	1.0	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	.81
2D3946	2.0	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	1.35

AEROVOX Condensers For Auto Radios



Heat resisting. Will withstand temperature of 160 degrees. D.C. working voltage: 200 at 115 degrees, 150 at 160 degrees. Drawn metal containers with encircling rugged steel mounting bracket.

Stock No.	Cap'y Mfd.	Size In.	Your Cost
2D3935	.5	1 $\frac{1}{2}$ " 2 $\frac{1}{2}$ "	\$.55
2D3936	.75	1 $\frac{1}{4}$ " 2 $\frac{1}{2}$ "	.75
2D3937	1.0	1 $\frac{1}{4}$ " 2 $\frac{1}{2}$ "	.84

Aerovox Resistor Mountings

Takes any standard grid leak or resistor. Bakelite base, phosphor bronze clips.

2D3990—Single	15¢
Your Cost Each.....	15¢
2D3991—Double	30¢
Your Cost Each.....	30¢



CARBON RESISTORS



TYPE 1094—1 WATT



TYPE 1095—1/2 WATT

Aerovox solid moulded Carbon Resistors are designed for use wherever a reliable resistance of fairly heavy load capacity is required. The element is of a special compound which is not affected by humidity changes. Absolutely noiseless and permanent on full load. R.M.A. color coded. Either type available in the following resistances:

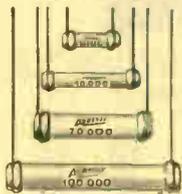
Ohms	Ohms	Megohms
100	100000	3.0
250	150000	4.0
500	200000	5.0
750	240000	6.0
1000	Megohms	7.0
2500	.25	8.0
5000	.5	9.0
7500	.75	10.0
10000	1.0	15.0
25000	1.5	20.0
50000	2.0	25.0
75000	2.5	

4X20198—Type 1095, 1/2 Watt.

4X20199—Type 1094, 1 Watt.

List Price, Each, 25c

Your Cost, Either Size **15c**
State Size and Resistance wanted.



AEROVOX Wire Wound Resistors

Designed especially to meet requirements for low priced high resistance units of small dimensions and high wattage carrying capacity. They are wound on porcelain tube with special high grade wire of low temperature co-efficient. Entire unit coated with a newly developed refractory compound which will not chip or crack. Have terminal leads 2 inches long.

Stock No.	Resist. Ohms	List Price	Your Cost
-----------	--------------	------------	-----------

2 WATTS (1/4 in. x 1 in.)

4X20200	500	.35	.24
4X20201	1000	.35	.24
4X20202	5000	.40	.24
4X20203	10000	.40	.24

5 WATTS (1/2 in. x 1 1/4 in.)

4X20204	1000	.40	.24
4X20205	5000	.40	.27
4X20206	10000	.40	.27
4X20207	20000	.50	.30
4X20208	30000	.55	.33

12 WATTS (3/8 in. x 2 in.)

4X20209	5000	.50	.30
4X20210	10000	.50	.30
4X20211	20000	.55	.33
4X20212	30000	.60	.36
4X20213	40000	.65	.39
4X20214	50000	.70	.42
4X20215	70000	.80	.48

18 WATTS (1/2 in. x 3 in.)

4X20216	10000	.60	.36
4X20217	20000	.60	.36
4X20218	30000	.65	.39
4X20219	40000	.70	.42
4X20220	50000	.75	.45
4X20221	75000	.90	.54
4X20222	100000	1.00	.60

AEROVOX UNCASED REPLACEMENT CONDENSERS

Waxed dipped and wrapped in cellophane. The same in every respect as those used in Aerovox standard type filter condensers. Non-inductively wound. Special paper dielectric. Thoroughly impregnated. Insulation resistance and safety factor in excess of R.M.A. standard.

Stock No.	Cap'y Mfd.	D.C. Working Voltage	Length	Size Inches Width	Depth	Your Cost Ea.
2D3766	.1	200	1 1/4	3/4	1/4	.15
2D3767	.25	200	1 1/4	3/4	3/8	.21
2D3768	.5	200	1 1/2	1 1/4	3/8	.24
2D3769	1.0	200	1 1/2	1 3/8	5/8	.36
2D3770	2.0	200	1 1/2	1 3/8	5/8	.60
2D3771	1.0	200	4 1/2	1 1/4	3/8	.36
2D3772	2.0	200	4 1/2	1 3/4	1/2	.60
2D3773	.1	400	1 1/4	3/4	3/8	.18
2D3774	.25	400	1 1/4	3/4	1/2	.24
2D3775	.5	400	1 1/4	1 1/8	5/8	.36
2D3776	1.0	400	1 1/4	2 1/8	7/8	.57
2D3777	2.0	400	1 1/4	2 1/8	1 3/8	.99
2D3778	1.0	400	4 1/2	1 7/8	1 1/2	.57
2D3779	2.0	400	4 1/2	1 7/8	1 1/2	.99
2D3780	.1	600	1 1/4	3/4	5/8	.21
2D3781	.25	600	1 1/4	1 1/8	5/8	.39
2D3782	.5	600	4 1/2	1 1/2	5/8	.51
2D3783	1.0	600	4 1/2	1 7/8	5/8	.83
2D3784	.1	1000	1 1/4	1 3/8	1 1/2	.90
2D3785	.5	1000	4 1/2	3 7/8	1 1/2	.90
2D3786	1.5	1000	4 1/2	3 7/8	1 1/2	1.59



TYPE 1460 MICA ASSORTMENT

A good selection of most of capacities in general use. Genuine Aerovox Type 1460 molded Bakelite units, sealed and protected against extreme temperature, moisture and chemical action. The dielectric is of finest grade India Ruby Mica and plates are tinfoil. Condenser element thoroughly impregnated. Size of units, 1 3/4 and 1 1/4 inch mounting centers 3/8 inches wide. Combination mounting type. Kit consists of the following units: 3—.0001, 3—.0002, 5—.00025, 3—.0005, 3—.001, 3—.002, 2—.003 and 2—.004 Mfd. Shpg. Wt. 4 lbs.

2D3800—Kit of 24 Units. **\$3.81**
Your Cost



TYPE 1460 MICA

One of the most popular Mica Types with Servicemen, Experimenters and Set Builders. Has two holes through body for mounting, in addition to the two tinned leads. Mounting centers either 1/4 or 1 3/4 inches. Ruby Mica dielectric. Very compact. D.C. working voltage, 450.

Stock No.	Capacity	List Price	Net Price
2D3801	.00004	\$.20	\$.12
2D3802	.00005	.20	.12
2D3803	.00007	.20	.12
2D3804	.000075	.20	.12
2D3805	.001	.20	.12
2D3806	.00015	.20	.12
2D3807	.0002	.20	.12
2D3808	.00025	.20	.12
2D3809	.00037	.25	.15
2D3810	.0005	.25	.15
2D3811	.001	.25	.15
2D3812	.0015	.35	.21
2D3813	.002	.35	.21
2D3814	.0025	.35	.21
2D3815	.003	.40	.24
2D3816	.004	.40	.24



TYPE 1450 MICA

Moulded in Bakelite. Capacity predetermined by a patented process. Not affected by extreme temperature, moisture and chemical action. Size, 1 1/4 in. square. Working Voltage 500.

Stock No.	Capacity	List Price	Net Price
2D3844	.00004	\$.30	\$.18
2D3845	.00005	.30	.18
2D3846	.00007	.30	.18
2D3847	.000075	.30	.18
2D3848	.0001	.30	.18
2D3849	.00015	.30	.18
2D3850	.0002	.30	.18
2D3851	.00025	.30	.18
2D3852	.00037	.30	.18
2D3853	.0005	.30	.18
2D3854	.001	.30	.18
2D3855	.0015	.35	.21
2D3856	.002	.35	.21
2D3857	.0025	.35	.21
2D3858	.003	.45	.27
2D3859	.004	.45	.27
2D3860	.005	.45	.27
2D3861	.006	.55	.33
2D3862	.0075	.65	.39
2D3863	.01	.75	.45
2D3864	.015	.90	.54
2D3865	.02	1.05	.63
2D3866	.025	1.65	.99
2D3867	.03	2.00	1.20
2D3868	.035	2.35	1.41
2D3869	.04	2.70	1.62



TYPE 1467 MICA

Equipped with wire leads for connections. Size 3/8 ins. square. Ruby Mica dielectric thoroughly impregnated. D.C. working voltage, 250.

Stock No.	Cap'y Mfd.	List Price	Your Cost
2D3787	.00004	\$.20	\$.12
2D3788	.00005	.20	.12
2D3789	.00007	.20	.12
2D3790	.000075	.20	.12
2D3791	.0001	.20	.12
2D3792	.00015	.20	.12
2D3793	.0002	.20	.12
2D3794	.00025	.20	.12
2D3795	.00037	.25	.15
2D3796	.0005	.25	.15
2D3797	.001	.25	.15
2D3798	.0015	.35	.21
2D3799	.002	.35	.21

AEROVOX



Wire Wound Resistors TYPE 936

Designed especially for use in A.C. filament circuits. All terminals are solidly anchored, the units are center tapped and the terminal lugs are designed to simplify mounting and connections. Guaranteed accuracy 10%. Available in the following resistance values: (state size wanted).

10 ohms 40 ohms 100 ohms
20 ohms 50 ohms 200 ohms
30 ohms 60 ohms
4D3970—Your Cost Ea... **15c**



TYPE 931

Wire wound on flat fibre strips. The extremely low inductance and distributed capacity of these units make them ideally suited for use as grid suppressors. Available in following sizes: (state size wanted)

500 ohms
100 ohms 750 ohms
250 ohms 1000 ohms

4D3971—
Your Cost Each..... **12c**

1250 ohms 1500 ohms 2000 ohms
4D3972—
Your Cost Each..... **18c**



AEROVOX PYROHM RESISTORS

Standard single section Pyrohm Resistors with tinned terminals. Ratings in watts: Type 992, Max.-15; normal-7.5; cool-3.75. Type 994, Max.-32; normal-16; cool-8. Normal current in m.a. is given.

Stock No.	Resist. Ohms	Current in m.a.	Your Cost
Type 992 (1/2 in. x 2 ins.)			
4E5000	1000	86	\$.48
4E5001	1250	77	.48
4E5002	1500	70	.48
4E5003	1750	65	.48
4E5004	2000	61	.48
4E5005	2500	54	.54
4E5006	3000	50	.54
4E5007	3500	46	.54
4E5008	4000	43	.54
4E5009	5000	38	.54

Stock No.	Resist. Ohms	Current in m.a.	Your Cost
Type 994 (1/2 in. x 4 ins.)			
4E5010	1000	126	.57
4E5011	1500	103	.57
4E5012	2000	89	.57
4E5013	2500	79	.60
4E5014	3000	73	.60
4E5015	4000	63	.60
4E5016	5000	56	.60
4E5017	6000	51	.66
4E5018	8000	49	.66
4E5019	10000	39	.66
4E5020	12000	36	.66

We can supply any item made by AEROVOX at a discount of 40% from list price. If you do not find the item wanted listed on these pages send us your order giving AEROVOX Catalog number or description and we will ship promptly. Intermediate sizes of any AEROVOX PRODUCT available at small additional cost.

FILTER AND BY-PASS CONDENSERS



POLYMET QUALITY CONDENSER SECTIONS PRICED LOW!

Polymet condensers are used by dealers and servicemen throughout the country. Polymet condensers are made to exact specifications, individually tested with up-to-date apparatus in a modern laboratory. They are made of the highest quality materials and are very conservatively rated, thus assuring long, satisfactory service.

The uses to which these condensers may be put are numerous. Servicemen continually are obliged to replace defective condensers or sections of blocks. Polymet condensers, being impregnated in moisture-proof pitch and supplied with long, flexible leads of push-back wire, can be used in practically all condenser repair work. Every serviceman should have a stock of them in his kit.

Stock No.	D.C. Voltage	Working Capacity Mfd.	Approximate Size, Ins.	Your Cost Each
E5370	200	.25	1 7/8 x 1 1/2	\$.15
E5371	200	2.0	2 1/8 x 2 3/8	.17
E5372	300	.25	1 3/4 x 1 1/2	.17
E5373	300	5	1 5/8 x 1 1/2	.20
E5374	300	1.0	2 3/8 x 2 1/4	.23
E5375	300	2.0	2 3/8 x 2 1/4	.40
E5376	300	4.0	2 5/8 x 2 1/2	.45
E5377	400	.25	1 3/4 x 1 1/2	.17
E5378	400	5	1 5/8 x 1 1/2	.20
E5379	400	1.0	4 x 2 1/2	.22
E5380	400	1.0	2 3/8 x 2 1/4	.30
E5381	400	2.0	2 3/8 x 2 1/4	.50
E5382	400	4.0	2 3/8 x 2 1/4	.95
E5383	600	1.0	2 3/8 x 1 3/4	.29
E5384	600	1.0	4 x 2 3/8	.45
E5385	600	1.0	4 x 2 3/8	.45
E5386	600	2.0	4 x 2 3/8	.70
E5387	600	2.0	4 x 2 3/8	.70
E5388	600	4.0	2 3/8 x 3 1/4	1.20
E5389	1000	1.0	4 x 3 1/2	.75
E5390	1000	2.0	4 3/8 x 2 1/2	1.25
E5391	1000	4.0	5 x 2 1/2	1.95

SANGAMO "ILLINI" MICA CONDENSERS



Manufacturer's type. Made by Sangamo. Same high quality material as used in all of their products. Molded in smooth brown bakelite. Extremely fine limits of accuracy. Absolutely water and damp proof. Soldering lug terminals.

Stock No.	Capacity Mfd.	Your Cost, Each
4D4170	.00002	5c
4D4171	.001	5c
4D4172	.00125	5c
4D4173	.0015	5c
4D4174	.0025	5c
4D4175	.0065	5c

Any size listed, Your Cost, Each 5c
 12 for 50c

Stock No.	Capacity Mfd.	Your Cost, Each
4D4176	.001	7c
4D4177	.002	7c

Either size, Your Cost, Each 7c
 12 for 70c



Sangamo Mica Condensers

Stock No.	Capacities Mfd.	Yr Cost
3D3050	0.00004	40
3D3051	0.00005	50
3D3052	0.0006	60
3D3053	0.001	100
3D3054	0.0015	150
3D3055	0.002	200
3D3056	0.0025	250
3D3057	0.003	300
3D3058	0.0035	350
3D3059	0.004	400
3D3060	0.005	500
3D3061	0.01	1000
3D3062	0.012	1200
3D3063	0.015	1500
3D3064	0.02	2000
3D3065	0.025	2500
3D3066	0.03	3000
3D3067	0.035	3500
3D3068	0.04	4000
3D3069	0.05	5000
3D3070	0.06	6000
3D3071	0.07	7000
3D3072	0.08	8000
3D3073	0.1	10000
3D3074	0.12	12000

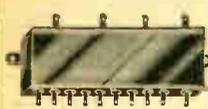
REPLACEMENT Electrolytic Condensers

For Receivers having Electrolytic Condensers that have broken down, refer to page 83 for correct size and type that you require. These fit all standard radio receivers and are used by all leading set manufacturers.

5000 VOLT	
3D3076—.0005	3D3080—.0005
3D3077—.001	3D3081—.002
3D3078—.0015	3D3082—.001
3D3079—.0025	

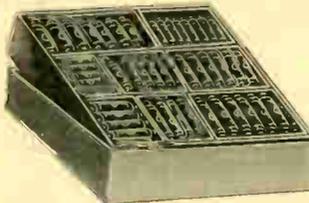
Your Cost Each \$1.17

EXPERIMENTERS' GENERAL PURPOSE BY-PASS CONDENSER



9 - .25 Mfd.
 1 - 1.0 Mfd.
 Contains 9 .25 mfd. condensers with 3 commons and one 1 mfd. at 350 volts. Re-

placement in Kennedy Model 20 receiver. General replacement and experimenter's condenser block. Full shielded in metal case with mounting lugs. Size 6x2x1 in. Better stock a dozen while they last. Shpg. Wt., 3 lbs.
B509—Your Cost, Each 49c
Per Dozen \$4.95



Cornell CUB Condenser Kit

Fifty of the most popular capacities used by leading manufacturers. Every Service Man should have this emergency selection. Contains: Following capacities and voltages.

Units	Cap'y	Volts	Units	Cap'y	Volts
2	.0001	600	4	.05	400
3	.00025	600	6	.1	200
2	.001	400	6	.1	400
2	.002	400	4	.25	200
3	.006	400	3	.25	400
3	.01	400	3	.5	200
6	.02	400	3	.5	400

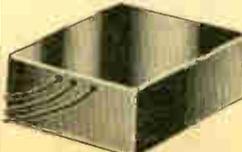
2D3238—List, \$18.50
Your Cost Per Kit \$6.95

FARADON CAPACITOR



Total capacity, 12 mfd., 300 operating volts D. C. 600 V. Flash test. Red 4 mfd., Brown 3 mfd., Blue 3 mfd., yellow 2 mfd., Black is common. Metal Container, size 5x3 1/2 x 2 1/2 ins. Made for replacement in a Nationally known set. Shpg. wt. 4 lbs.
2B683—Your Cost 95c

Faradon Filter Condenser



2 Mfd
1.5 Mfd
150 Volts
Size, 3 1/2 x 4 3/4 x 1 1/2 ins.

Makes an ideal replacement unit for general purpose work. For use in Radio receivers and power amplifiers. Shpg. Wt. 2 1/2 lbs.
2B679—Your Cost, Each 25c
In Lots of Ten, Each 22c

CORNELL "CUB" Cartridge Condensers



Tubular paper Condensers thoroughly impregnated in wax. The handiest type to use.

Stock No.	Cap'y Mfd.	Diam. In.	Work Volts	Your Cost
2D3200	.01	.440	200	\$.10
2D3201	.02	.580	200	.10
2D3202	.03	.580	200	.10
2D3203	.05	.580	200	.10
2D3204	.1	.580	200	.10
2D3205	.2	.775	200	.14
2D3206	.25	.775	200	.12
2D3207	.3	.775	200	.16
2D3208	.5	.975	200	.16
2D3209	1-1	1.1	200	.20
2D3210	2-2	1.1	200	.23
2D3211	.01	.440	400	.10
2D3212	.02	.580	400	.12
2D3213	.03	.580	400	.12
2D3214	.05	.580	400	.14
2D3215	.06	.580	400	.14
2D3216	.1	.580	400	.13
2D3217	.2	.775	400	.15
2D3218	.25	.775	400	.17
2D3219	.3	.975	400	.19
2D3220	.5	.975	400	.24
2D3221	1-1	1.1	400	.22
2D3222	.05-.05	1.1	400	.25
2D3223	.004	.440	600	.10
2D3224	.005	.440	600	.10
2D3225	.006	.440	600	.10
2D3226	.01	.440	600	.10
2D3227	.015	.580	600	.12
2D3228	.02	.580	600	.12
2D3229	.1	.775	600	.17

FARADON CONDENSER 4 Mfd. 600 Volt



Special 75c Each

Faradon Condensers were standard with many Nationally known set manufacturers. They are precision made of the finest materials and will give service more than equalling that of any similar merchandise on the market. 4 Mfd. at 600 volt D.C. 1200 V. Test. Fabric covered cardboard container. Size, 4 3/8 x 1 3/4 x 3 1/2 ins. high. Soldering lug terminals. Shpg. Wt., 2 lbs.
B686—Your Cost, Each 75c

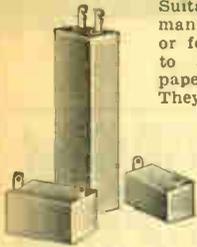
CROSLY BY-PASS CONDENSERS

.5 Mfd.
 .25 Mfd.



Used in all Crosley Radio Receivers, but can be used in any circuits up to 250 volts D.C. Standard size, 1/2 mfd. Crosley No. 5400
1B429—Your Cost, Each 18c
Per Dozen \$1.90
 .25 mfd. Crosley No. 5410
1B430—Your Cost, Each 16c
Per Dozen \$1.70

TRUTEST DRY ELECTROLYTIC CONDENSERS



Suitable for use in the manufacture of radio sets or for replacement work to substitute for wax paper condenser blocks. They are light and compact and can be mounted in any position. Used for Filter sections, Cathode and "C" Bias by-pass condensers.

Cardboard Container—500 V. Peak

Stock No.	Cap'y Mfd.	Size	Your Cost
D3346	4	4 1/4 x 1 1/8 x 5/8 ins.	.36
D3347	6	4 1/4 x 1 1/8 x 7/8 ins.	.42
D3348	8	4 1/4 x 1 1/8 x 7/8 ins.	.43
D3349	10	4 3/8 x 1 1/8 x 1 1/4 ins.	.65
D3350	12	4 3/8 x 1 1/8 x 1 1/4 ins.	.75

Cardboard By-Pass Size Container

Stock No.	Capacity Mfd.	Peak Voltage	Your Cost
D3351	2	500	\$.32
D3352	4	220	.34
D3353	10	50	.34
D3354	25	25	.38

Round Cans with 1/4-in. Mounting Studs

Stock No.	Cap'y Mfd.	Peak Volt.	Size	Your Cost
D3355	10	25	1 3/4 ins.	\$.40
D3356	25	25	1 3/4 ins.	.45
D3357	10	50	1 3/4 ins.	.44
D3358	25	50	1 3/4 ins.	.50
D3359	4	220	2 5/8 ins.	.38



Multiple Sections
These Multiple Sections. Round Upright Cans, are valuable for either original or replacement use. The electrolytic sections are of the dry type, full 500 volts peak rating, giving desirable high voltage protection. All negative terminals are grounded to the can.

Stock No.	Cap'y At Anodes	Mfd.	Can Diam., Ins.	Your Cost
D3316	8-8	2 1/2	2 1/2	1.25
D3330	9-9	2 1/2	2 1/2	1.30
D3317	5-15	2 1/2	2 1/2	1.35
D3331	4-4-4	3	3	1.60
D3318	8-8-8	3	3	2.30
D3320	9-9-18	3	3	2.10
D3319	8-8-8-8	3 1/2	3 1/2	3.25
D3321	8-8-18-18	3 1/2	3 1/2	3.25
D3322	9-9-18-18	3 1/2	3 1/2	3.25

Single and Dual Sections

Single and Dual Sections furnished in round aluminum cans, of one standardized size, fitting any single mounting hole designed for 3/4 in. studs. The cans are not grounded and are adequately insulated from the condenser sections. Color-coded 6 in. wire leads. 500 volt peak voltage.



Stock No.	Cap'y Mfd.	Your Cost	Stock No.	Cap'y Mfd.	Your Cost
D3323	4	\$.44	D3334	12	\$1.00
D3332	6	.50	D3326	4-4	.75
D3324	8	.54	D3335	4-8	.95
D3333	10	.75	D3336	6-6	.95



Multiple Sections

Plain cardboard containers for mounting under sub-panel Rectangular metal cans for mounting above chassis. Sections are thoroughly insulated from each other. Separate terminal



lugs are brought from each section. 4 3/8 in. over-all height. 500 D.C. peak voltage.

PLAIN CARDBOARD, Multiple Sections

Stock No.	Capacity Mfd.	Size	Your Cost
D3337	4-4	1 3/8 x 1 1/4 ins.	\$.70
D3338	4-6	1 3/8 x 1 1/4 ins.	.80
D3339	4-8	1 3/8 x 1 1/4 ins.	.90
D3340	6-6	1 3/8 x 1 1/4 ins.	.90
D3341	6-8	1 1/2 x 1 1/8 ins.	1.00
D3342	8-8	1 1/2 x 1 1/8 ins.	1.05

RECTANGULAR METAL CANS Multiple Sections

Stock No.	Capacity Mfd.	Size	Your Cost
D3343	4-6	1 3/8 x 1 1/4 ins.	\$.90
D3344	4-8	1 3/8 x 1 1/4 ins.	.98
D3345	6-8	1 1/2 x 1 1/8 ins.	1.10



TRUTEST Assorted By-Pass Condensers

A very handy assortment of the Service Man. Contains 12 of the most popular capacities in drawn metal cans; assorted as follows:

No.	Cap'y Mfd.	Volts
1	.1	200
1	.25	200
2	1.	200
1	1.	300
1	.25	300
1	.5	300
1	1.	300
1	.5	400
1	1.	400

2D3289—**\$3.25**
Your Cost.....



TRUTEST Dry Electrolytic Cartridge Condensers

Enclosed in waxed cardboard containers with metal ends and 1 1/4-inch tinned wire leads. Hermetically sealed. Very convenient to use. Compact.

Stock No.	Cap'y Mfd.	Work Volts	Your Cost
2D3290	.5	500	\$0.24
2D3291	1.0	500	.29
2D3292	2.0	500	.33
2D3293	5.0	35	.24
2D3294	5.0	75	.28
2D3295	10.0	35	.24
2D3296	10.0	75	.29
2D3297	25.0	50	.50
2D3298	25.0	100	.55



SPRAGUE

High voltage Midget Condensers tested to 500 volts, suitable for continuous operation at 500 volts. Easy to handle; most popular small condenser on the market.

Stock No.	Cap'y Mfd.	Your Cost
2D4225	.01-.01	\$0.19 \$1.90
2D4226	.01	.10 1.00

MERSHON

MERSHON CONDENSERS

These Electrolytic Condensers have always been Standard equipment with radio set manufacturers and servicemen. The single 8 mfd. is furnished in Stud or Inverted mounting, head extending through the base board or chassis. All others are upright type, mounted by a bracket that is fastened to base board or sub-panel, and is recommended for use in replacement work, being used on the following sets: Amrad, Sparton, Crosley and Zenith.



Stock No.	Capacity	Peak Voltage	Your Cost
D2700	8	455	\$.45
D2701	18	450	.70
D2702	20 (low volt)	25	.40
D2703	18-18	430	1.60
D2704	8-8	430	.95
D2705	5-15	430	1.10
D2706	5-5-5	430	1.10
D2707	8-8-8	430	1.35
D2708	18-18-9-9	430	1.95
D2709	18-9-9	430	2.40
D2710	8-8-8-8	430	2.40
D2711	8-8-18-18	430	2.95

STUD TYPE—INVERTED MOUNTING NEW TYPE (Not Insulated)

Stock No.	Cap'y at Anodes	Total Cap'y	Peak Voltages	Size Inches	List Price	Your Cost
2D2732	4	4	430	1 1/2 x 1 1/8	\$1.40	\$0.69
2D2733	6	6	430	1 1/2 x 2 1/8	1.45	.71
2D2734	8	8	430	1 1/2 x 2 3/8	1.50	.73
2D2735	10	10	430	1 1/2 x 3 1/8	1.65	.80

MICA CONDENSER KIT

ASSORTED AS FOLLOWS:

- 10 Sangamo Illini .0025
- 5 Sangamo Illini .00125
- 5 Sangamo Illini .001
- 5 Aerovox .002
- 5 Polymet .0005
- 5 Polymet .0001

2D3287—**\$1.75**
Your Cost for Kit.....

DOZEN ASSORTMENT

Envelope containing two each of the above mica condensers (12).
2D3288—**60¢**
Your Cost.....



Thirty-five Nationally known mica condensers, neatly packed in kit form. A very convenient selection to keep on hand and an amazing bargain.



TRUTEST By-Pass Condensers

Finest quality By-pass units hermetically sealed in drawn metal containers. Guaranteed to render satisfactory service. Standard size and mounting.

Stock No.	Cap'y Mfd.	age	Your Cost Ea.
2D3260	.1	200	\$0.18
2D3261	.25	200	.21
2D3262	.5	200	.26
2D3263	1.0	200	.30
2D3264	2.0	200	.58
2D3265	.1	300	.18
2D3266	.25	300	.22
2D3267	.5	300	.29
2D3268	1.0	300	.43
2D3269	.1	400	.20
2D3270	.25	400	.25
2D3271	.5	400	.33
2D3272	1.0	400	.43



MULTI-UNIT BY-PASSES

Stock No.	Cap'y Mfd.	age	Your Cost Ea.
2D3273	1-1	200	.27
2D3274	1-1-1	200	.37
2D3275	.25-.25	200	.32
2D3276	.5-.5	200	.41

MULTI-UNIT FILTER In Drawn Metal Containers

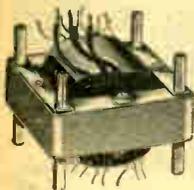
Stock No.	Cap'y Mfd.	age	Your Cost Ea.
2D3281	1-1-1	300	.30
2D3282	.25-.25	300	.40
2D3283	.5-.5	300	.54
2D3277	1-1-1	400	.30
2D3278	1-1-1	400	.42
2D3279	.25-.25	400	.42
2D3280	.5-.5	400	.53

DON'T SPLIT YOUR ORDER

If you are unable to locate in this catalog the merchandise that you require, and if same is listed in another mail order catalog, send number and name, together with part desired. We can secure the merchandise at the same price, or USUALLY MUCH LOWER.

GENUINE CROSLLEY PARTS

Power Transformers



Power Converters 104-R and 105-R

Crosley part No. 4299. May also be used in sets employing 4-26s; 1-27, 1-71A, and Raytheon rectifier tube. Size, 4 x 4½ x 3¾ inches. Shpg. Wt., 8 Lbs.
4C1889—95¢
 Your Cost....

For MODEL AC-7

Crosley part No. 3315. The original part for the above receiver. May also be used in sets using 5-99s, 1-12A and Raytheon rectifier. Size, 3¾ x 3 x 3¾ inches. Shpg. Wt., 5 Lbs.
4C1890—Your Cost Each.....95¢

For POWER CONVERTERS 104, 105, 106 Bandbox

Crosley part No. 4682. Consists of Power Transformer and Panel. Has female 10 lead connection and fuse clips. Brown crystalline finish. Size 4¼ x 8½ x 3¾ inches deep. Shpg. Wt., 8 Lbs.
4C1882—Your Cost Ea. \$1.45



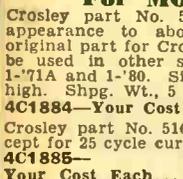
For MODELS 30S, 31S, 33S and 34S

Crosley part No. 6682. Original power transformer for above sets. May also be used in other sets using 2-24s, 2-27s, 2-45s and 1-80. Size, 4½ x 3 x 4¼ inches. Shpg. Wt., 7½ Lbs.
4C1883—Your Cost Ea....\$1.25



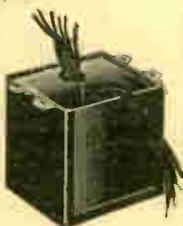
For MODEL 608

Crosley part No. 5145. Very similar in appearance to above transformer. The original part for Crosley No. 608. May also be used in other sets using 3-26s, 1-27, 1-71A and 1-80. Size, 3½ x 2¼ x 3¾ inches high. Shpg. Wt., 5 Lbs.
4C1884—Your Cost Each.....\$1.25



MODEL 704-A

Crosley part No. 4905. Shielded in metal case. May also be used in other sets using 4-26s; 1-27; 2-71A's; 1-80. Size, 4 x 4¼ x 4¼ ins. high. Shpg. Wt., 10 Lbs.
4C1886—Your Cost Ea....\$1.95



MODEL 704

Crosley part No. 4715-4816. Identical in appearance with above transformer. The original part for above Crosley Receiver; may also be used in sets using 4-26s, 1-27, 1-71A, and 1-80. Size 4 x 4 x 4 inches high. Shpg. Wt., 11 Lbs.
4C1887—Your Cost Each.....\$1.95



VOLUME CONTROL

Crosley part No. 6598. Special Volume Control for Model 71-A 25,000 and 15,000 ohms. Shpg. Wt., 8 oz.
4C1868—Your Cost.....25¢

Audio Transformers

1st STAGE AUDIO and P.P. INPUT For Models 41-A, 42, 704, 706



An exact duplicate of the original Crosley part No. 5315. Consisting of 1st Stage Audio and P.P. Input. No changes necessary to install this unit. Fits the chassis mounting holes. Size, 2½ x 1½ x 4¼ ins. Shpg. Wt., 4 Lbs.
4C1892—\$2.45
 Your Cost Ea....

Double Audio For Model 608

Identical in appearance to above. Crosley part No. 5125. Genuine Replacement. Two transformers in one can. Shpg. Wt., 4 Lbs.
4C1880—\$1.25
 Your Cost.....

TYPE "A" AUDIO

Used in early Crosley models. An ideal low price transformer for replacement work in other sets also. Ratio 5:1. Black enamel case. Size, 2½ ins. long, 2½ ins. wide, 2½ ins. high. Shpg. Wt., 1 Lb.



4C1875—Your Cost Each....35¢

TYPE "B" AUDIO

Crosley part No. 2015. Same appearance as above. Ratio 4:1. Used in Crosley Pup. Easy to mount; an ideal general replacement audio. Black enamel case. Size, 1¾ ins. wide, 2¼ ins. long, 2½ ins. high. Shpg. Wt., 1 Lb.
4C1876—Your Cost Each.....35¢

TYPE "C" AUDIO

Crosley part No. 2014. Ratio 9:1. Used in Crosley "Pup." Black enameled case. Similar in appearance to the above units. Size, 2¾ ins. long, 1¾ ins. wide, 2½ ins. high. Shpg. Wt., 1 Lb.
4C1877—Your Cost Each.....35¢

AUDIO FOR BANDBOX JR.



Crosley part No. 4060. Original Audio used in Bandbox Jr., 401, 401A, 601, 704 and 704A. Natural aluminum case. Size, 2¾ x 1¾ x 2¾ inches high. Shpg. Wt., 1 Lb.
4C1879—Your Cost Ea. 35¢

DETECTOR CHOKE

Crosley part No. 3490. Used in Crosley AC power unit for model AC 7 receivers. 7000 ohms DC resistance, 100 henries. Size, 2¾ ins. long, 1¾ ins. wide, 2¾ ins. high. Shpg. Wt., 1½ Lbs.
4C1873—Your Cost Ea. 95¢



CROSLLEY PLATE CHOKE

Crosley part No. 3325. Used in plate choke assembly in AC supply unit of Model AC 7 receivers. 1800 ohms DC resistance. Same as above in appearance. Size, 2¾ ins. long, 1¾ ins. wide, 2¾ ins. high. Shpg. Wt., 1½ Lbs.
4C1874—Your Cost Each.....95¢

P.P. INPUT TRANSFORMER Models 60S, 61S, 62S, 63S



Crosley part No. 7167. Push-Pull Input Transformer for the above receivers. Has Two Separate secondary windings. Genuine Replacement. Shpg. Wt., 3 Lbs.
4C1878—Your Cost.....\$1.25

Coils



THESE COILS ARE THE GENUINE CROSLLEY REPLACEMENT ANTENNA AND R. F. PARTS. THEY ALSO CAN BE USED FOR OTHER SETS. IDEAL FOR THE NEW SET BUILDER.



YOUR CHOICE OF ANY OF THE FOLLOWING COILS, EACH **05¢**
 Shpg. Wt., any coil, 8 oz.

- MODELS 20, 21 AND 22**
 4C1855—R. F. Coil No. 6435
 4C1856—Antenna Coil No. 6798
- MODEL 804 JEWEL BOX**
 4C1857—Antenna Coil No. 5761
 4C1858—R. F. Coil No. 5762
- MODELS 30S, 31S, 33S AND 34S**
 4C1895—Antenna Coil No. 7267
 4C1896—R. F. Coil No. 7266
- MODELS 40S, 41S, 42S, 60S, 61S, 62S, 82S**
 4C1884—Antenna Coil No. 7145
 4C1893—R. F. Coil No. 6797
- MODELS 53, 54, 57, 77 AND 91**
 4C1862—Antenna Coil No. 20444
- MODEL 401 BANDBOX JR.**
 4C1861—Antenna or R. F. Coil No. 4201
- MODELS 602, 704, 704-A AND 704-B**
 4C1860—R. F. Coil No. 4365
- MODEL 705 SHOWBOX**
 4C1863—R. F. Coil No. 5428
- MODELS 608, 706, 41-A, 42, GEMBOX**
 4C1859—R. F. Coil No. 5065
- MODEL 609 and 610 GEMBOX**
 4C1864—R. F. Coil No. 5872

ANTENNA and R.F. CHOKE



FOR ALL MODELS
 Crosley part No. 4686. 476 turns of No. 36 D.C. wire tapped at 160 turns. Shpg. Wt., 4 oz.
4C1867—Your Cost Each.....5¢
 10 for.....40¢

30 H. FILTER CHOKE



Models 41-A, 42 and 804 Jewelbox
 Crosley part No. 4935. Used as filter choke in above sets or other sets requiring choke of 350 ohms D.C. resistance at 60 mlls. Shpg. Wt., 1¾ Lbs.
4C1870—Your Cost Each.....29¢

DOUBLE FILTER CHOKE

30 H. — 80 M.A.
 Crosley part No. 4692. Double choke in one can. 30 henries each at 80 m.a. 150 ohms, d.c. resistance, each section. Brown crackle case. Size, 3¾ x 2¾ x 2¾ ins. high. Shpg. Wt., 4 Lbs.
4C1881—Your Cost, Each.....59¢



FILTER CHOKE



For D.C. Show-box 705
 Crosley part No. 5419. DC choke of 150 ohms DC resistance. Size, 3¾ x 2½ x 3¾ inches high. Shpg. Wt., 5 Lbs.
4C1871—Your Cost.....75¢

REFER TO PAGES 82, 83, 84 AND 85 FOR COMPLETE LISTING OF CROSLLEY VOLUME CONTROLS. GUARANTEED REPLACEMENTS FOR ALL MODELS.

REPLACEMENT SPEAKER PARTS AND ACCESSORIES

WRIGHT-DECOSTER Genuine Replacements



Speaker Cones

These parts are the Genuine Wright - DeCoster replacements to be used in all their speakers.

Midget Speaker— $\frac{1}{2}$ ohm voice coil
4W19400—List \$1.25 **73c**
Your Cost

Infant Speaker— $\frac{1}{2}$ ohm voice coil
4W19401—List \$1.35 **79c**
Your Cost

Juvenile Speaker— $\frac{1}{2}$ ohm voice coil
4W19402—List \$1.75 **\$1.03**
Your Cost

Models No. 107 (10-inch) and
No. 207 Speakers
4W19403—"T" Cone: 12 ohms
4W19404—"M" Cone: 9 ohms
List \$6.25 **\$3.67**
Your Cost, either type

Model No. 107 (8-inch cone)
4W19405—"T" Cone: 12 ohms
4W19406—"M" Cone: 9 ohms
List \$5.75—Your Cost, **\$3.38**
either type

Model 217 Jr. Speaker
4W19407—"T" Cone: 12 ohms
4W19408—"M" Cone: 9 ohms
List \$6.25—Your Cost, **\$3.67**
either type

WRIGHT-DECOSTER

Rectifiers

For Midget, Infant and Juvenile Speakers. Rectifier No. 25336.

4W19412—
List \$5.20 **\$3.06**
Your Cost



Models No. 107 (10-inch) and
No. 207 Speakers
4W19409—No. 25330 Rectifier.
List \$17.00 **\$10.10**
Your Cost

Model No. 107 (with 8-inch cone)
4W19410—No. 10805 Rectifier **\$4.12**
List \$7.00—Your Cost

Model 217 Jr. Speaker
4W19411—No. 25331 Rectifier **\$5.88**
List \$10.00—Your Cost

Jensen, Magnavox & Utah Genuine Replacements

We can supply all replacement parts, Cones, Rectifiers and Output Transformers used in JENSEN, MAGNAVOX and UTAH DYNAMIC SPEAKERS. Specify type and model number of defective speaker when ordering parts.

CELOTEX Dynamic Speaker Baffles

This material is ideal for speaker baffles, its non-resonant quality makes it far superior to wood for the purpose. On sizes quoted below without hole, add 50c to net price if hole is desired and specified.



Stock No.	Size Inches	Size of Hole	Net
4Y19793	12x12	7 $\frac{1}{2}$ or 9 in.	\$.30
4Y19794	18x18	7 $\frac{1}{2}$ or 9 in.	.80
4Y19795	24x24	7 $\frac{1}{2}$ or 9 in.	1.40
4Y19796	36x36	9 in.	2.63
4Y19797	48x48	9 in.	4.40
4Y19798	36x72	No Hole	5.30
4Y19899	48x72	No Hole	7.05

REPLACEMENT CONES FOR ALL STANDARD SPEAKERS

CONTAINED IN THIS LIST ARE MOST OF THE STANDARD SPEAKERS; MOST COMMERCIAL RECEIVERS USE ONE OF THESE TYPES. TO DETERMINE WHAT TYPE SPEAKER USED IN RECEIVER BEING SERVICED, REFER TO SPEAKER BASE FOR MANUFACTURER'S NAME. ALL CONE SIZES ARE MEASURED FROM INSIDE OF CONE.

Set or Speaker	Stock No.	Your Cost
ATWATER KENT 11-inch Cone	W19370	\$2.75
BOSCH 9-inch Cone	W19388	2.20
BOSCH 11-inch Cone	W19387	2.45
COLONIAL Model 33	W19361	2.25
EVEREADY SETS: 9-inch Cone	W19363	1.90
EVEREADY SETS: 11-inch Cone	W19364	2.25
EARL Inductor Speaker	W19384	.95
JENSEN D-7 Concert	W19360	2.25
FREED-EISEMANN NR-80	W19377	2.70
MAGNAVOX, 7-inch Cone	W19366	2.25
MAJESTIC MODELS 70, 90	W19372	1.80
MAJESTIC G-1 Speaker	W19379	1.95
MAJESTIC G-2 Speaker	W19380	1.95
MAJESTIC G-3 Speaker	W19381	1.95
MAJESTIC G-5 Speaker	W19382	2.25
NEWCOMB-HAWLEY 7-inch Cone	W19365	2.25
PEERLESS 7-inch Copper Coil	W19350	1.60
PEERLESS 9-inch Copper Coil	W19351	1.95
PEERLESS 10-inch Copper Coil	W19352	1.95
PEERLESS 12-inch Copper Coil	W19353	2.10
PEERLESS 7-inch Wire Coil	W19354	1.40
PEERLESS 9-inch Wire Coil	W19355	1.60
PEERLESS 12-inch Wire Coil	W19356	2.75
PEERLESS AUDITORIUM 15-in.	W19389	3.25
PHILCO Model 90	W19383	1.80
PHILCO Model 65	W19371	1.50
RCA Model 106 Speaker	W19378	1.98
RCA Model 104 and 105	W19359	2.00
STROMBERG-CARLSON 11-inch	W19367	2.25
STEINTE 10-inch Cone	W19385	2.20
TEMPLE 7-inch Cone	W19373	2.38
TEMPLE 10-inch Cone	W19374	2.75
TEMPLE AUDITORIUM	W19375	3.75
UTAH 7-inch Cone	W19376	1.90
UTAH STADIUM 12-inch Cone	W19388	2.95
VICTOR R-32, R-52, RE-45	W19357	1.50
WRIGHT-DECOSTER 8-inch Cone	W19368	2.25
WRIGHT-DECOSTER 10-inch Cone	W19369	2.75
ZENITH 50-60-70 Series	W19362	2.25

Genuine RCA Speaker Cones

Model 100-A Speaker	W19209	50c
Models 100-B and 103	W19210	50c



VICTOR DYNAMIC SPEAKER CONE

Complete With Voice Coil

Guaranteed replacement for Victor Speakers, used in Set Models R-32, R-52, RE-45, and RE-75. 15 ohm voice coil. **\$1.35**

4W19357—Your Cost

UTAH STADIUM DYNAMIC 25-60 Cycle

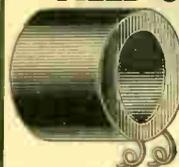
12 $\frac{1}{4}$ Inch Cone
The Utah Stadium Dynamic Speakers offer the closest approach to the ideal that present day engineering knowledge and manufacturing skill can produce. Their power is tremendous and their tone is as clear and flawless as a bell.

For Single '45 Output Only
110 volt, 25-60 cycle A.C.
Shpg. Wt., 24 lbs. Our quantity is limited.

4W19215—**\$8.50**
Your Cost Special



FIELD COIL FOR VICTOR SPEAKER



\$2.35
NET

The Genuine Replacement for Victor Speakers used in Model receivers, R-32, R-52, RE-45 and RE-75. Can also be used in other speakers. 3,000 ohms, D.C. resistance. Size, 3 $\frac{1}{2}$ inches long, 3 $\frac{1}{2}$ inches over-all diameter. Hole, 2 $\frac{1}{4}$ inches. Shpg. Wt., 9 lbs.

4W19211—**\$2.35**
Your Cost

For RCA PHOTOPHONE, 104 and 105 SPEAKERS

The Genuine Field Coil used in the above speakers. Can also be used in other speakers using 1,000 ohms, D.C. resistance, 100 volts at 100 mls. Size, 4 inches long, 4 $\frac{1}{4}$ inches over-all diam. 2 inch hole diam. Shpg. Wt., 13 lbs.

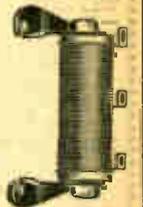
4W19224—**\$1.40**
Your Cost

For RCA MODEL 41 A.C. and 106 SPEAKER

The Genuine Replacement used in the above speakers. D.C. resistance, 600 ohms. Shpg. Wt., 4 lbs.

4W19213—Your Cost **\$1.75**

RCA RECTIFIERS



Radiola part No. 5898 for use with 106 Dynamic Speaker A.C. and Radiola 41 A.C. 95 V. at 55 mls. The original part. Shpg. Wt., 4 lbs.

4W19205—**\$2.50**
Your Cost Each
Per Pair **\$4.50**



Genuine RCA Speaker Coils

RCA part No. 1966 for Radiola Models 30A, 50, 51. The official replacement magnet coils for the Radiola magnetic

speakers No. 100-A, 100-B, and 103. Has a D.C. resistance of 1200 ohms.
4W19212—**98c**
Your Cost, Special

TRUTEST FIELD



EXCITER

Made for use with 280, 82 and 83 type tubes. Will furnish field current and voltage to 6 dynamic speakers of 2500

ohms when using the new 83 type tube; or 2 dynamic speakers of 1000 ohm fields. When using this unit to supply one speaker, use 280 or 82 type tubes. Equipment includes one tube socket with switching arrangement from 2 $\frac{1}{2}$ volts for the 82 type tube to 5 volts at 3 amperes for 280 or 83 type tube. Mounting flange for permanent installation. Completely encased in heavy steel finish in black. Size, 4 $\frac{1}{4}$ x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ inches. Shpg. Wt., 7 lbs.

4W19225—**\$4.25**
Your Cost



YAXLEY PHONE PLUG

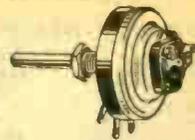
Perfect contact and bakelite insulation prevent current leakage. Shorting is impossible, and the polished bakelite handle dresses up this popular efficient plug. Equipped with screw terminals with coin slots.

4F6478—List 50c. **29c**
Your Cost



Centralab

CENTRAL RADIO LABORATORIES



SINGLE JUNIOR WITH A. C. SWITCH

DUAL CONTROL

The revised listing of Centralab volume controls that the serviceman has been waiting for. This list consists of "Specials" that are manufactured and built for the particular set that it is intended for, no changes necessary to

install these units. You may order by our stock number; or specify the Centralab number if you wish. A complete line of Centralab volume controls and by-products carried in stock.

Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost
A. C. DAYTON CO.			CROSLLEY RADIO CORP.			FRESHMAN RADIO CORP.		
XL-60, SL 61, XL-70	2H8878	.75	60-S, 61-S, 62-S, 74	2H8861	.75	G-60, Q15 and Q16, 605M, "Special"	2H8786	.75
XL-63, 65, 66	2H8880	.75	61, 602 Bandbox, 608 Gembox, 610, 609 Gembox, and Gemchest, 704 Jewel Box, 704-A Jewel Box, 704-B Jewel Box, 705 Showbox, 706 Showbox, "Special"	2H8785	.75	3Q-15 and 3Q-16, N12, N17, 2-N, QD-16-S, series Q-D-16, "Special"	2H8746	.75
Navigator	2H8843	.75	AC-7, AC-7C	2H8876	.75	H, K and K-60-S, M, L and LS	2H8786	.75
A. C. Dayton	2H8858	.75	40S, 41S, 42S, 82S, 71-A, 40-A "Special"	2H8847	1.75	41AC and Earl 41, 31, 32A, 31S, 32S	2H8840	.75
AMERICAN BOSCH CORP.			EARL RADIO CORP.			GENERAL ELECTRIC CO.		
107, 116, 46, 126, 136, 146, 166, 176, 96 DC, 96 AC	2H8839	.75	21, 22, Batt.	2H8840	.75	21AC, 22, (Earl) 21, 22	2H8718	1.50
80-Auto Receiver "Special"	2H8832	1.50	28, 30-S, 31-S, 33-S, 34-S "Special"	2H8851	1.50	G	2H8858	.75
48 and 49 "Special"	2H8895	2.00	53, 54 "Special" (New Buddy)	2H8860	.75	21 DC, 24, 31, 33 DC	2H8879	.75
54, 56	2H8913	1.50	77, 76DC, 400, 410, 420	2H8865	.75	GAROD		
58, 62 "Special"	2H8888	1.50	91, 92 "Roamio" auto	2H8862	.75	Garod E-A	2H8863	.75
54 D.C. "Special"	2H8910	2.00	Midget 48	2H8931	.75	GENERAL ELECTRIC CO.		
5A, 5B, 7A, 73, 133	2H8961	1.00	Johnny Smoker, Super Buddy 122	2H8859	.75	T4-RC3	2H8905	1.50
60, 61, 64 "Special"	2H8887	1.50	126, 55, Long Shaft, "Special"	2H8855	1.50	H31, H51, H71	2H8867	.75
20, 31, 32	2H8871	.75	52, 26, Long Shaft, "Special"	2H8853	1.50	S-22, S-22X-S-42	2H8744	.75
73, 74	2H8803	1.00	40S, 41S, 42S, 82S, (Late Models) "Special"	2H8896	2.00	T-12	2H8877	.75
ANDREA, INC., F. A. D.			EDISON, INC., THOMAS A. & SPLIT-DORF			GENERAL MOTORS RADIO CORP. (DAY-FAN)		
7, 480A, SF50, 80-A, CA-475	2H8839	.75	55, Short Shaft	2H8862	.75	5033, 5066, 5065, 6 tube		
30, 30Z, 31, 31Z, 10, 10Z, 11, 11Z, D, E, Special Long Shaft	2H8831	1.50	56, Short Shaft	2H8861	.75	5057, 6 DC, 32 DC, 110-6-M.G.	2H8869	.75
50, 70, 71, 72, 51	2H8837	1.50	75, 76DC, 77, Special	2H8854	1.50	8 AC, 5077, 5080	2H8860	.75
Long Shaft	2H8898	1.50	77-1	2H8931	.75	A5005-A5020	2H8861	.75
16, 16Z, 17, 32, 32Z, 18DC, Special Shaft	2H8848	2.00	120	2H8961	1.00	8 AC, 5077, 5080	2H8860	.75
35C, 35B, 40AC, Original Control	2H8898	1.50	58	2H8860	.75	A5005-A5020	2H8861	.75
25, 25Z, 15M, 15MZ, Special Shaft	2H8932	2.00	59	2H8931	.75	5003-5004-5010, 5091-48 "Special"	2H8728	1.50
20, 20Z, Special Shaft	2H8962	1.50	84	2H8863	.75	5003-5004-5010, 5091-48 "Special"	2H8728	1.50
75, 77, 35, 35Z, Special Shaft	2H8889	1.50	124, 125 Midget Super Sw. Type	2H8813	1.00	Delco 3002 Auto "Special"	2H8834	1.50
43, 76Z, KP, KG	2H8915	1.50	605, 615, 625	2H8852	1.50	"A", 120A, 130, 140	2H8913	1.50
122-KE	2H8869	.75	EARL RADIO CORP.			150, 160	2H8913	1.50
KA-41, 42, 44, 46, 47, 81, 84, 86DC	2H8874	.75	21DC, 24, 31, 33DC	2H8864	.75	GRAYBAR ELECTRIC CO.		
KW-48, 49, Sw. Type	2H8809	.75	21 and 22 AC	2H8718	1.50	700, 770, 900	2H8867	.75
K, U, 45, 51, 53, 57, Sw. Type	2H8817	1.00	315, 371, 31-S, 32-S, 33, 271	2H8912	1.50	678	2H8905	1.50
ATWATER KENT MFG. CO.			EDISON, INC., THOMAS A. & SPLIT-DORF			GRAYBARETTE		
33 Series Filament, 84	2H8863	.75	31 and 32 AC, 41	2H8840	.75	8 Midget	2H8744	.75
61, 61C, 72, 66, H1, H2 "Special"	2H8723	2.00	EDISON, INC., THOMAS A. & SPLIT-DORF			A. H. GREBE & CO. INC.		
67, 67C, Batt. Set 222	2H8862	.75	P.A.D. No. 4, P.A.D. 41, C-1, C2, C3, R1, R2	2H8724	1.50	428, Synchrophase		
tubes 82Q	2H8846	1.75	R-200	2H8840	.75	A.C. 6; Synchrophase		
"D" Series "Special"	2H8846	1.75	M5, R11, M-6, Special	2H8701	1.50	A.C. 7	2H8838	.75
"F" Series, L-2, P or 75 Q-2 Series, "Special"	2H8902	2.00	Controls, One of each R4, R5 and C4, R6, R7, Later Model	2H8897	2.00	AH-1	2H8859	.75
L-1	2H8912	1.50	C1	2H8839	.75	Early Synchrophase		
82D, 84D, 89, 84Q, Batt., 89, 89F	2H8808	1.00	ES, 62	2H8724	1.50	SK4 A.C.	2H8900	1.50
BREMER-TULLY MFG. CO.			EDISON, INC., THOMAS A. & SPLIT-DORF			SK4 D.C.		
8, 6, 40	2H8863	.75	E-175	2H8858	.75	HS4-1, 2, 3, 4	2H8813	1.00
7-70, 7-71 "Special"	2H8890	1.50	R6 and R7, Early Model, Phono	2H8830	1.75	GRIGSBY-GRUNOW (MAJESTIC)		
820-A, 821-A	2H8805	1.00	R4, R5, C4, Early Model "Special"	2H8925	2.00	76, 60, 70-B	2H8858	.75
81, 82, 14, 21, 31, 81A	2H8794	1.00	Abbey "Special"	2H8724	1.50	180-181 "Special"	2H8720	2.00
8-20A	2H8790	1.00	Abbey Jr. "Special"	2H8701	1.50	Series 50, Midget Super	2H8903	2.00
85, 36	2H8812	1.00	R6 and R7, Later Model	2H8897	2.00	90, 91, 92, 321 "Special"	2H8930	1.50
S-81, S-82	2H8866	.75	C1	2H8839	.75	90 Series	2H8840	.75
7-A, 7-B, W.81	2H8839	.75	ES, 62	2H8724	1.50	30, 31, 131, 132, 233 "Special"	2H8923	2.00
BROWNING-DRAKE CORP.			FREED-EISEMANN RADIO CORP.			100 Series, 100B "Special"		
34, 36, 38, 69	2H8858	.75	FE30N and 30-32 40N and 48N, 50, NR78 and NR79 AC, NR80-DC, NR80AC, NR85, 470	2H8838	.75	130A, 230A	2H8721	2.00
MB-30	2H8861	.75	NR5, NR6, NR7, NR8 and 8A, NR9 and 9A, NR10, NR12, FE15, FE18, NR20, 66 and 66A, NR77, NR53, NR-78DC, 79DC, NR55DC, NR55 and 56 D.C.	2H8879	.75	60 Series 160	2H8866	.75
54	2H8803	1.00	NR60 D.C., NR60 A.C., NR57, NR70	2H8839	.75	Midget Super "Special"	2H8914	1.50
70 and 71	2H8863	.75	NR95	2H8840	.75	120 Series, "Special"	2H8901	2.00
BRUNSWICK-BALKE-COLLENDER CO.			FREED-EISEMANN RADIO CORP.			15B "Special"		
S14, S21, S31, S81, S82	2H8811	1.00	NR879, 905GA, NR657 "Special"	2H8893	2.00	25, "Special"	2H8797	1.00
14, 21, 31	2H8794	1.00	GULBRANSEN			15, 150 "Special"	2H8797	1.50
S-32 Cavac	2H8804	1.00	C-WG24, C and CG, 9-In-Line (New) "Special"			110 Auto, "Special"	2H8856	1.50
10 Midget "Special"	2H8796	1.50	9-In-Line (Old) "Special"			8-Tube (Old)		
11, 12, 16, 33	2H8793	.75	82 Arcadia	2H8912	1.50	50, 70 Series	2H8931	.75
11, 12, 16	2H8744	1.00	50, 70 Series, 80-8 Tube "Special"	2H8745	.75	80-8 Tube (New)	2H8942	1.50
D	2H8863	.75	COLONIAL RADIO CORP.			80-8 Tube (New)		
31DC	2H8758	.75	SG-32AC, 33AC "Special"	2H8719	2.00	40A, "Special"	2H8857	1.50
40, 43, 44, 47, 47E, 48, 48E, 50 "Special"	2H8740	.75	44, 47, 48, 50	2H8961	1.00	40A, "Special"	2H8836	1.50
BROWNING-DRAKE CORP.			COLONIAL RADIO CORP.			10, 13 series, "Special"		
34, 36, 38, 69	2H8858	.75	Screen Grid 8 "Special"	2H8934	1.50	23 series	2H8863	.75
MB-30	2H8861	.75	961, 902-C-11	2H8860	.75	90 Series, "Special"	2H8909	2.00
54	2H8803	1.00	C-1, C-2, C-3, C-4, K-24, 980; C-5, C-6, C-7, SG-5, SG-7	2H8839	.75	Champion Jr.	2H8868	.75
70 and 71	2H8863	.75	SG-9, AC-950	2H8858	.75			

CENTRALAB VOLUME CONTROLS (Continued)

Name and Model	Stock No.	Your Cost	Name and Model	Stock No.	Your Cost
HAMMARLUND-ROBERTS CO.					
HI-Q29JR	2H8858	.75	37, 38, 39, 782	2H8817	1.00
HI-Q29 Master	2H8862	.75	683, A F D, EG, J,		
HI-Q30, HI-Q31	2H8869	.75	716, 773 R5	2H8868	.75
HOWARD RADIO CO.					
135, 395, 445, 495, "Special"	2H8919	2.00	SONORA PHONOGRAPH CO., INC.		
8-Green Diamond	2H8725	1.50	2RP-25, 3R & 4R, 5R,		
S.G.A., S.G. "C"	2H8912	1.50	A-30, A131, A-32, A-36,		
35 AC	2H8843	.75	A-46, A-40, 44 DeLuxe,		
S.G.B. Midget, H. O.	2H8872	.75	A3D, A31	2H8746	.75
S.G.H. Midget, O. H.	2H8819	1.00	B-31	2H8866	.75
A.V.H.	2H8808	1.00	E-AC	2H8863	.75
KELLOG SWITCHBOARD & SUPPLY CO.					
6 tube 507, 520 series	2H8863	.75	SPARKS WITHINGTON CO. (SPARTON)		
"B" 7 Tube	2H8871	.75	62, 63, 110, 110 DeLuxe,		
520 series, 533, 534, 535	2H8861	.75	931, 301, Sparks En-		
536, 5	2H8861	.75	semble, 600, 610, 620.	2H8840	.75
K24, 25, 27, 28	2H8931	.75	AC7	2H8858	.75
Screen Grid Receiver	2H8858	.75	39	2H8841	.75
COLIN B. KENNEDY CORP.					
KR 15 and 16	2H8859	.75	69, 79, 79A, 89, 89A,		
"Royal" 60, "Royal"			109, 55-101-103	2H8865	.75
80	2H8863	.75	301, 930, 589, 574, 737.	2H8931	.75
12 S.G., 10, 20, 20B, "Special"	2H8928	2.00	591-593	2H8745	.75
10	2H8869	.75	235, 235DC	2H8843	.75
"Royal"	2H8862	.75	5 & 9	2H8817	1.00
26, 526, 826, 36, 38, 40,			STEINITE RADIO CO.		
26, with remote control, 826	2H8913	1.50	30	2H8876	.75
24 Battery	2H8768	1.10	Super Heterodyne	2H8780	.75
26, 826	2H8742	.75	"Special"		
34, 30 and 32, 50-52-56.	2H8872	.75	40, 50, 102, 40C, 60C,		
42 Midget	2H8817	1.00	102C, 70, 80, 90, 15, 16,		
KOLSTER RADIO CORP. (COLUMBIA PHONO.)					
K20, 22, 25, 27	2H8838	.75	412, 420, 210, 230, 420,		
K-21, 24, 28, 23, K30, 32	2H8842	.75	450	2H8840	.75
B10, B15 and 16	2H8860	.75	261, 262 series	2H8838	.75
COLUMBIA					
C1, C2, C3, C4, C5, C6, C7, 980	2H8839	.75	990, 991, 992, 993	2H8841	.75
902, 961	2H8860	.75	Midget 21, 23 "Special"	2H8750	1.75
K42, K43, K44, K45	2H8926	2.25	Midget "Special"	2H8706	1.50
930 AC, "Special"	2H8922	2.25	22, 25	2H8931	.75
950	2H8858	.75	26, 28	2H8867	.75
960	2H8838	.75	421, 425 or 21, 203,		
100 Series	2H8807	1.00	600, 605, 630, 635, 642,		
60 Series, 31-33 Columbia	2H8813	1.00	643	2H8961	.75
32-34	2H8793	1.00	STEWART-WARNER CORP.		
70 Series, 80, 90, "Special"	2H8801	1.50	500, 520, 525, 806	2H8841	.75
NATIONAL CARBON CO. EVEREADY					
1, 2, 3	2H8862	.75	530, 535	2H8839	.75
30, 40 Series	2H8865	.75	700, 705, 710, 900	2H8727	.75
31	2H8840	.75	series "Special"		
50 Series	2H8892	1.50	715-720, R-109A, R-100B,		
PHILCO					
65	2H8866	.75	AF, 110 Series "Special"	2H8728	.75
511, 512, 513, 514, 515,			801-802	2H8860	.75
521, 531, 541, 551, 561,			811	2H8840	.75
571, 581, Series 5, 82-86, 87	2H8858	.75	970AC-980	2H8913	.75
1, 2, 3, 96, 96A, 92, 95,			305, 315, 320	2H8876	.75
95E, 11 and 11A, 211,			300, 310, 325	2H8931	.75
211A, 296, 296A, 111,			363	2H8838	.75
111A, 112, 112A	2H8864	.75	950 & 100A Series,		
76, 77, 77A, 70 Series	2H8913	1.50	R100F "Special"	2H8728	.75
Transitone No. 3, 30.	2H8863	.75	STROMBERG-CARLSON TEL. MFG. CO.		
Baby Grand 20, 20A,			523, 524, 734B, 744B	2H8861	.75
220, 41, 42, 220A	2H8914	1.50	635, 636, 601, 602, 633,		
40	2H8876	.75	634 Long Shaft	2H8885	1.50
41, 42	2H8783	.75	638, 601, 602, 633,		
R. C. A. VICTOR					
4-Circuit RC3, R15,			634, 635, 636, Double	2H8886	1.50
RE17, R42	2H8905	1.50	Shaft	2H8865	.75
RE-32, RE-45, R-52,			10, 11		
RE-75	2H8911	1.50	12, 14, Automatic		
5-Circuit RE-35, RC-2A,			Volume control	2H8863	.75
RE-39, RE-57, RE-73,			641, -652, 654 Long		
RE-34, 42	2H8904	1.50	Shaft	2H8883	1.50
R5, R5X	2H8877	.75	L41A	2H8860	.75
R7, 7A	2H8867	.75	U. S. RADIO & TELEVISION (APEX)		
R7 Superhette	2H8744	.75	80 Series	2H8839	.75
7A, R-11, RE-18	2H8743	.75	Gloritone, 26, 26B, P-20	2H8871	.75
R50-R55	2H8861	.75	99 Series	2H8871	.75
R57, 82	2H8872	.75	29, 31 Series	2H8931	.75
"RADIOLA"					
80, 82, 86	2H8867	.75	Midget 32-32A, 32B, 49,	2H8779	.75
SILVER-MARSHALL, INC.					
630	2H8762	.75	28 Series	2H8744	.75
ASM-730 Around the			7-A and 7-B	2H8743	.75
World	2H8840	.75	8 and 10 Series	2H8874	.75
740AC Coast to Coast	2H8866	.75	Midget 27 Series (Late)	2H8961	1.00
714	2H8843	.75	46, 46A, 47, 47A, 48, 48A,	2H8876	.75
722AC, 30B, 60B, 75B,			ZENITH RADIO CORP.		
95B	2H8871	.75	11, 12, 14, No. 31 32,		
770	2H8844	.75	33, 34, 35, 35A, 342,		
Royment Seven SN1690	2H8863	.75	352, 352A, 362, 33X,		

Centralab

POWER RHEOSTAT

Gives maximum watt dissipation for its size because of complete air circulation. Resistance strip 2 inches diameter by 1/2 inch deep. All metal frame and core insulated with treated asbestos. Rating 35 watts. Furnished standard with three terminals. Bushing 3/8 x 1/2 inch long. Shaft 1/4 x 1/2 inch long. Black Bakelite knob.



Stock No.	Resistance	Your Cost
2H8768	15 ohms	\$.88
2H8771	150 ohms	.88
2H8773	400 ohms	.88
2H8775	1,000 ohms	1.03
2H8777	5,000 ohms	1.18

GIANT POWER RHEOSTAT



Same construction as above with resistance strip 1 inch deep, doubling area for heat dissipation. All resistances furnished with three terminals. Rating 50 watts.

Stock No.	Resistance	Your Cost
2H8769	25 ohms	\$1.18
2H8770	60 ohms	1.18
2H8772	150 ohms	1.18
2H8774	500 ohms	1.18
2H8776	1,000 ohms	1.47
2H8778	5,000 ohms	1.62

CONSTANT IMPEDANCE "T" PAD

A network of three resistances housed in a large dust and moisture tight case. Two wire wound sections offer constant resistance to the input and output circuits while a tapered graphite section provides smooth attenuation of volume level.

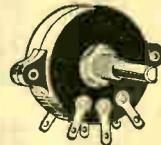


All parts are extra large and strong for continuous commercial service. Bakelite case 3 1/2 x 1 1/2 inches deep. Provides single or three hole mounting. Furnished with Bakelite knob.

Stock No.	Resistance	Stock No.	Resistance
2H8950	5,000 ohms	2H8947	100 ohms
2H8944	1,500 ohms	2H8948	50 ohms
2H8945	500 ohms	2H8949	15 ohms
2H8946	200 ohms		

Your Cost, Each \$4.12

CONSTANT IMPEDANCE "L" PAD



Recommended for individual control of magnetic speakers such as centralized school systems, hotels, hospitals, or where one or more speakers are added to the home receiving set.

The two graphite resistances provide constant resistance to the line with smooth volume control of the individual speaker without changing the adjustment of other speakers on the same line. Safe energy dissipation 1 watt.

2H8907—5000 ohms	2H8908—10,000 ohms
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Your Cost, Each \$2.06

STRAIGHT RESISTANCE FADER

Made up as a straight potentiometer with center tap for simple pickup fader circuits that do not require constant impedance. Resistances catalogued are the resistance of each half available to shunt each separate pickup. Case 2 1/4 x 1 1/2 inches. Shaft and bushing insulated from all terminals.



41H8829—100,000 ohms	
41H8828—25,000 ohms	
41H8827—50,000 ohms	

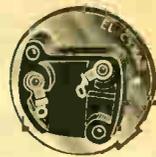
Your Cost, Each \$1.75

ELECTRAD VOLUME CONTROLS

AND NEW "SNAP-ON" SWITCH ASSEMBLY



STANDARD CONTROL



SNAP-ON A.C. SWITCH

The Serviceman will welcome the addition to this well known line of Volume Controls, "Snap-on" Switch Assembly. This is the most accurate and comprehensive listing of replacement Volume Controls ever presented by any Dealer's Supply House. This list has been compiled for us by Electrad for your convenience in purchasing your replacement units. Its contents have been checked and re-checked to insure its accuracy; it is a list that you can depend on absolutely.

Order from it and enjoy the assurance that you are getting exactly the proper unit for the job. All Electrad Volume Controls that sell for 60c have extra long shafts to meet any mounting condition. These are supplied without A.C. switch. The new "Snap-on" Switch is made for use only with these controls selling for 60c. All other controls are made according to the specifications of originals.

Manufacturer	No. Stock	Your Cost
A. C. Dayton Co.		
XL5, XL10, XL20, XL25	G7905	\$.60
XL30, XL50, XL60, XL61, XL70	G7903	.60
AC63, AC65, AC66	G7904	.60
Navigator	G7973	1.30
All American Mohawk Co.		
S-6, S-7, S-8	G7912	.60
Model 90, Model "J," Model "J" with Pentode	G7902	.60
5 Tube Battery Set	G7903	.60
6 Tube, 1 Dial Battery Set	G7903	.60
AC-226, 227, 60, 61, 62, 65	G7904	.60
66	G7904	.60
80, 83, 84, 86, 88	G7954	.68
Lytic, "J," "H," 96, 90, C6	G7902	.60
70, 73, 75	G7902	.60
H. Lyric Model D, A	G7902	.60
6 Tube Electric Set	G7904	.60
Mohawk	G7904	.60
Lytic "K"	G7904	.60
American Bosch Magneto Co.		
Model 5, Model 20 Super	G7902	.60
Het	G7902	.60
46DC, 27 Ambrola, 16 Ambrola, 35 Cruisers, 57, 87, 66, 76, 76L, 46DC	G7905	.60
96, DC-96, 146, 166, 176	G7904	.60
46AC, 126, 107, 116	G7904	.60
Models 28 and 29	G8000	.60
58 and 62	G8037	.60
40	G8038	1.08
5A, 7A, 20, 31, 36, 73, 133	G8039	.95
and 135	G8040	.68
80 and 84	G8040	.60
60 and 63	G8041	.60
100 Motor Car	G8042	.68
Model 73, 74	G7902	.60
Amrad Corporation		
S-522, DC6, DC6-C, DC7, DC7-C, S733, S733-C, 80	G7905	.60
82-83, 7100 70	G7902	.60
AC-6, AC-6-C	G7904	.60
AC-7, AC-7-C	G7902	.60
7916	G7906	.60
84	G7904	.60
Andrea, F.A.D.		
41, 42, 44, 46, 47	G7907	.60
Model 45 (KU)	G7920	.60
Model 48, 49 (KW)	G7904	.60
Model 51, 53, 57 (KOC)	G7920	.60
SP-50, 80, 408B, 160, 192A, 192S, SP-501, 80A, 192B3, 460A, 48CA, 22	G7905	.60
472UA, CA, SF, 45/75, 4572, 10, 11, 21	G7953	.68
262, 265UA, CA, RP65UA, RP62, UACA, 7AC, 475	G7952	.68
30Z, 31Z, 50, 70, 71, 72	G7953	.68
20, 20Z, 25, 25Z, 15M, 15MZ	G7927	.60
35, 35Z	G7910	.60
41, 42, 44, 46, 47	G7907	.60
75, 77	G7921	.60
1653AB	G8055	.68
16, 17, 32, 16Z, 32Z	G8055	.68
471	G8061	.95
Atwater Kent		
Models 37, 38, 40, 42, 44, 52 (Resistance Strip)	G7992	.40
Models 55, 60, 66 (Strip)	G7993	.40
80	G8023	.60
82 D.C.	G8026	.95
84	G8024	1.20
86	G8025	1.20
82Q and 85	G8027	.68
Audiola Radio Company		
8T-Super, Pentode, 9-T Super Pentode	G7902	.60
6 Tube, 5 Tube, 527, 627, 6T	G7905	.60
8T	G7910	.60
30B, 7330	G7903	.60
8430	G7903	.60
889	G7917	.60
31, 31 Super	G7902	.60
4T, 31, RF	G7902	.60
6T, 31, Pent, Junior	G7912	.60
6T Junior No. 1, No. 2	G7902	.60
13-T-5	G7902	.60
10-T Super	G7902	.60
7-T Super-Pent	G7912	.60
9-T-45 Super	G7902	.60
3 Type 60C	G7902	.60
Bremer-Tully Manufacturing Company		
6	G7903	.60
6-40	G7904	.60
7-70, 7-71	G7902	.60
8-20, 8-21	G7902	.60
Counterphase-8	G7904	.60
14, 21, 31, 81, 82	G7913	.60

Browning Drake Corporation.		
34, 36, 38	G7	2 .60
69	G78	4 .60
70, 71	G7924	.60
Brunswick Balke Collender Company		
B-17, P.R. 17-8	G7936	.80
2KR, 5KR, 2KRO, 5KRO, 3KR8, 5KR6	G7937	.80
3NC8, 5NC8	G7939	.80
17, 24, 25, 4PA, 4A	G7904	.60
514, S21, S31, S81, S82	G7970	.95
10	G7911	.60
R-1	G7920	.60
D-11, 12, 16, 33	G7931	.80
14, 21, 31	G7903	.60
Models S14, S21, S31, S81, S82	G7997	1.35
Colonial Radio Corporation		
16-6, 16-5, 17-5, 20-21	G7905	.60
47, 48	G7912	.60
44, 50	G7902	.60
Columbia Radio Corporation		
Screen Grid 8	G8044	1.20
Crosley Radio Corporation		
XJ, 3R3, 4-29, 6-60, 6-85, RFL90, 401, 401A	G7905	.60
20, 21, 22	G7903	.60
602, 608, 609, 1 1/2 in. Shaft	G7972	.68
804 (Short Shaft)	G7959	.68
Buddy, Chum	G7916	.60
30S, 31S, 33S, 34S	G7913	.60
AC-7	G7923	.60
82S, 40S, 41S, 42S, 45S	G7966	.68
Early 40-S	G7967	.68
77, 84	G7904	.60
120	G7902	.60
53, 54, 57, 58	G7902	.60
705	G7903	.68
55, 56	G7903	.60
92, 28, 121, 121-1, Series B	G7904	.60
122	G7920	.60
125, 124	G7912	.60
610 (Female Shaft)	G7968	.80
706 (Long Shaft)	G7928	.80
704 (Short Shaft)	G7929	.68
Models 704, 704B, 705, 706DC, 706AC	G7998	.95
26 (Long Shaft)	G8045	.60
Edison Corporation, Thomas A.		
SC, CI, R1, R2, C2	G7964	.60
R-6 R-7	G7904	.60
Splitdorf, 6 tube	G7905	.60
Abbey	G7951	.68
R-200	G7903	.60
E-175	G7964	.68
Models R1, R2, R3 (Front)	G7999	.80
Electrical Research Laboratories		
R-1	G7904	.60
224 AC	G7903	.60
245 Super	G7903	.60
335	G7911	.60
250	G7912	.60
Emerson Radio & Phonograph		
F, 100-A	G7950	.95
Series 65	G7917	.60
Eveready (National Carbon)		
Models 1, 2, 3	G8000	.95
Federal Radio Corporation		
B, C, D, 59, 102, A-10	G7905	.60
Series Fil. D	G7903	.60
G-10-60, G-40-60, G41-60, K10-60, K40-60, K41-60, M35-60, M40-60, M41-60, M45-60, M46-60	G7904	.60
Type H, L	G7904	.60
Freshman		
Masterpiece, Equaphase	G7905	.60
G-Q-15, Q-16	G7902	.60
H, K, L, LS	G7904	.60
2H, M, 2N	G7902	.60

Manufacturer	No. Stock	Your Cost
Earl Radio Corp.		
31, 32, 41	G7903	.60
21DC, 22DC, 24DC, 31DC, 32, SDC, 21AC, 22AC	G7908	.60
Freed-Eiseman Radio Corporation		
NR7, 8, 9, 10, 12, 20, 40, FE15, 18, NR800, 77	G7905	.60
NR-60, 57, 70	G7902	.60
NR-78, 79, 95	G7903	.60
NR55, AC & DC	G7904	.60
NR30DC, AC	G7902	.60
General Electric Co.		
H-71, H51, H31	G7919	.60
K-32	G7943	.60
T-12	G7933	.68
K-62	G7934	.68
Garod Radio Company		
EA	G7904	.60
General Motors Radio Corporation		
Day Fan Nos. 527, 5044, OEM7, OEM11	G7943	.80
Six Junior, 6-61, 6, 6B, 5050, 35	G7905	.60
Day Fan Nos. 8AC	G7902	.60
Day Fan Nos. 5003, 5091, 5077, 5080	G7902	.60
Chassis S1A, S1B	G8057	1.05
Chassis S2A, S2B, S3B	G8058	.60
Chassis S4A, S4B	G8059	1.05
Chassis S9A, S9B	G8060	1.05
Chassis S10A, S10B	G8066	1.05
Models 216, 217, 219, 250	G7912	.60
Gilfillan Bros.		
10	G7902	.60
60	G7902	.60
33	G7902	.60
100	G7902	.60
Model 105, 106	G7902	.60
Graybar Electric Company		
311	G7937	.80
600	G7939	.80
700, 770, 900	G7943	.80
Grebe & Company, A. H.		
AC6, AC7, 428	G7902	.60
AH1	G7918	.60
HS-4	G7902	.60
HS-4 Models 1, 2, 3, 4	G7903	.60
SK4DC	G7011	.60
SK4AC	G8035	.68
Grigsby-Grunow Company		
70, 70B	G7902	.60
180, 90, 91, 92, 100B	G7903	.60
130-A	G7918	.60
20, 21, 22, 23	G7971	.75
120, 121	G7902	.60
15, 15B, 25, 150	G7912	.60
Auto Radio 110	G7914	.60
Models 25-B and 35 Chassis	G8001	.95
Models 15, 150 Chassis	G8002	1.20
Model 60 Chassis	G8003	.68
Model 130 Chassis	G8004	.68
Model 25 Chassis	G8006	1.20
Model 90, 90B, 100, 100B (Equalizer)	G8007	.80
Gulbransen Company		
Early Nine in line	G7902	.60
7 Tube Champion Jr.	G7902	.60
724	G7902	.60
Hammarlund Roberts Incorporated		
Hi-Q, 5 tube & 6 tube	G7905	.60
Hi-Q 29 Jr. and A.C.	G7902	.60
Hi-Q 29 Master, Hi-Q 30 A.C., Hi-Q 31 A.C.	G7906	.60
Model Hi-Q 32	G7912	.60
Howard Radio Company		
Type O	G7902	.60
AVH	G7904	.60
7 Battery	G7905	.60
Green Diamond 8	G7955	.60
H Super Heterodyne	G7902	.60
Midget SGB	G7902	.60
Kellogg Switchboard		
6 Wave Master	G7905	.60
5 Tube B., & 7 Tube A.	G7903	.60
425, 426	G7902	.60
533, 534, 535, 536	G7903	.60
Kennedy Corporation, Colin B.		
5, 6, 7, 15, 16, 20, 30, 220, 281	G7905	.60
10	G7903	.60
80	G7904	.60
20, Short Wave Unit for 826	G7906	.60
30, 32	G7906	.60
42	G7902	.60
Models 52, 52A	G8008	.80
Model 56	G8009	1.20
Model 62	G8010	.68

ELECTRAD VOLUME CONTROLS (CONTINUED)

Manufacturer	Stock No.	Your Cost	Manufacturer	Stock No.	Your Cost	Manufacturer	Stock No.	Your Cost
King Manufacturing Co.			Steinite			Wholesale Radio Service, Inc.		
E. F. G. 62, 71, 80, 81, 25, 71	G7905	\$0.60	40, 50, 102, 40C, 60C, 102C	G7903	\$0.60	(LAFAYETTE)		
H. J.	G7902	.60	70, 80, 95	G7912	.60	Pre-Selector A.C. 524	G7902	\$0.60
97, 98, 101	G7902	.60	261, 262	G7903	.60	Duo Symphonic 1930	G7902	.60
82	G7902	.60	991, 992, 993	G7903	.60	Duo Symphonic Jr., 1931	G7902	.60
218	G7902	.60	15	G7902	.60	Series 10, Super 7	G7902	.60
Kolster Radio Corporation			22	G7903	.60	Series 20, Super 10	G7904	.60
22, 25, 27, 37, 6J, 6K, 6R, 8A	G7905	.60	26	G7902	.60	Mighty Atom	G7902	.60
K-20, 22, 25, 27, 37, 21, 23	G7902	.60	28	G7902	.60	Wilcox Laboratories		
K-42	G7902	.60	Models 412, 420 (15 Chassis)	G7903	.60	Model Six	G7923	.60
K-45	G7906	.60	Models 210, 230, 420, 450 (17 Chassis)	G7903	.60	Zenith Radio Corporation		
B-10, 15, 16	G7902	.60	Models 421, 425 (Model 21 Chassis)	G7902	.60	14, 15, 16, 17, 27, 39	G7903	.60
980, 205, C1, C2, C4, C5, C6, C7	G7904	.60	Models 203, 600, 605, 630, 642, 643 (Model 22 Chassis)	G7902	.60	33, 34, 35, 35A, 342, 352, 352A, 362, 333, 353	G7903	.60
K-60, K-62	G7905	.80	Model 423 (Model 23 Chassis)	G7902	.60	34-P, 342P, 40A, 41, 42, 422, 35PX, 35APX, 352PX, 352-APX, 37A, 55	G7903	.60
K-70, K-72, K-80, K-82, K-90, K-92	G7902	.80	Models 700, 705, 706, 725, 642-B (Model 26 Chassis)	G7919	.60	52, 53, 54, 60, 61, 62, 64, 67, 602, 613, 622, 642, 672	G7945	.80
Montgomery Ward & Company			Models 700, 701 (Model 28 Chassis)	G7919	.60	5 Tube Zenette	G7902	.60
2822, 2895, 2897, 2827	G7903	.60	Stewart-Warner Corp.			5 Tube Zenette with Pentode	G7912	.60
3035, 3037, 3065, 3067, 1522, 1562	G7902	.60	300, 305, 310, 315, 320, 325, 340, 345, 350, 355, 360, 385, 390, 500, 520, 525	G7905	.60	6 Tube Zenette	G7903	.60
20W, 62-520, Model 49, 26P, 26PX	G7902	.60	900-811	G7903	.60	Hyper-Merton, 82, 89, 822, 892, 10, 11, 12, 102, 112, 122	G7906	.60
111, 611, 111X, 811X	G7903	.60	Models 102A, B, E., R101A, R101B	G7902	.60	ELECTRAD TANDEM (DUAL) VOLUME CONTROLS		
1355, 1955	G7907	.60	Models 950, A.C., R100A, R100B, R100E	G8015	.68	Atwater Kent		
62, 1040	G7923	.60	Stromberg-Carlson Telephone Manufacturing Co.			Model H	G8016	1.70
C. Valler, Commander	G7902	.60	1A, 1B, 501, 502, 601, 602, 633, 634, 523, 524	G7906	.60	All Amer. Mohawk	G7989	2.16
181, 187	G7920	.60	635, 636, 638—			Model B-7	G7989	2.16
National Company Inc.			(Short Shaft)	G7901	.60	American Bosch	G8052	1.49
MB29	G7924	.60	(Double Shaft)	G7961	.60	48 A.C. and 54 D.C.	G8052	1.49
MB30, Auto Receiver	G7906	.30	846, 848—(Double Shaft)	G7965	.68	Colonial Radio	G7978	1.20
Operadio Corp.			641, 642, 652, 654—	G7900	.47	Model 32 A.C.	G7978	1.20
7	G7909	.60	(Long Shaft)	G7960	.60	Earl Radio	G8017	1.35
1926	G7905	.60	(Double Shaft)	G7960	.60	Models 21, 22 A.C.	G8017	1.35
Ozarka Incorporated			10, 11, 16, 17	G8030	.60	Electrical Research Lab.	G7982	1.62
90	G7902	.60	19, 20, 21	G8031	.60	Model 271	G7982	1.62
91	G7911	.60	12 and 14	G8032	.60	Freshman	G8053	1.49
92-A.C.	G7924	.60	22 and 24	G8033	.60	Models 31, 32, 33	G8053	1.49
89-A.C.	G7902	.60	25 and 26	G7918	.60	Jesse French Sons	G7981	1.40
Philadelphia Storage Battery Company			638 D.C. (Long)	G7932	.68	Midget	G7981	1.40
82, 5, 86, 87, 511, 521, 531, 541, 551, 561, 571, 581	G7962	.80	Transformer Corporation of America			Colin B. Kennedy	G7989	2.16
Transitone 95, 96, 96-A, 30, 211, 211A	G7904	.60	Clarion 51, 53, 55	G7906	.60	Model 26	G7989	2.16
76	G7915	.60	Models 61, 70	G7902	.60	Grigsby-Grunow (Majestic)		
112, 112A, 212, 212A	G7904	.60	Clarion 80	G7903	.60	30 Chassis	G8018	1.62
111, 111A	G7904	.60	Clarion 90	G7916	.60	100 Chassis	G8019	1.35
Pierce Airo Inc.			Model 40	G7911	.60	50 Chassis	G8020	1.35
AC-14, 45	G7902	.60	Junior 60, 25	G7906	.60	General Motors Radio		
534-5, AC 547	G7902	.60	Model 94	G7916	.60	Model A Chassis, 120, 130, 150, 160, 140	G8021	2.16
447, M	G7903	.60	Model 83	G7903	.60	National Carbon (Eveready)	G7990	1.85
AC-646-7	G7902	.60	Model 92	G7916	.60	30, 40, 50 Series	G7990	1.85
724	G7902	.60	Model 83	G7916	.60	Philco		
AC-734-5	G7903	.60	Model 92	G7916	.60	Models 20, 20A	G7980	1.35
AC-746-7M	G7902	.60	Model 83	G7916	.60	Models 50, 50A	G8048	1.35
R. C. A. Vktor Co.			United Air Cleaner Corporation			Models 90, 90A	G8049	1.35
Radiola 16	G7935	.95	106B, 440, 10B, 666C, 666	G7902	.60	RCA-Victor		
Radiola 17, 50, 41, 7-25, 7-54	G7936	.80	Series 20	G7904	.60	R-32, RE45, RE52, RE75	G7970	1.95
Radiola 18, 33, 51, 7-11, 7-26	G7937	.80	Series K-70	G7920	.60	R-15, 48	G7991	1.90
Radiola 44, 46, 47	G7938	.80	Courier 65	G7917	.60	R-14	G7985	2.16
Radiola 60, 62	G7939	.80	104	G7902	.60	RE-35, RE-39, 57	G7986	1.20
Radiola 64, 67, 9-18, 9-54	G7940	.80	110, 108-A, 108B	G7912	.60	Model 42	G8054	2.16
Radiola 64, Sensitivity Control	G7941	.80	7 Tube Super	G7923	.60	Sparks-Withington		
Radiola 66	G7942	.80	Sentinel 114	G7904	.60	410, 420 (Junior, Jewell)	G7983	1.62
Radiola 80, 82, 86, 35, 39, 51	G7943	.80	99	G7912	.60	Stewart-Warner		
Radiola R-5, R5X	G7933	.68	U. S. Radio and Television Corporation			Models 950, 980, Battery—950, 970, R100C	G8022	1.35
Radiola Superette, R7A	G7944	.80	Case 80, Apex 36, 37	G7902	.60	Stromberg-Carlson		
Radiola R-11	G7934	.68	Apex 31, 32	G7912	.60	38, 39, 40, 41	G8050	1.35
Model 46 D.C.	G8013	.68	Gloriatone Late 27, 26, 29, 32, Apex 49, Batt. Gloriatone 20	G7912	.60	Sterling		
Models RAE 59, RAE 79, R-50, R-55, RE28	G8014	.88	Apex 50, 60	G7902	.60	Model "E"	G8047	1.62
Silver-Marshall			Model 90	G7902	.60	Temple Corporation		
37, 38, 39, 782, 770	G7903	.60	Model 99	G7902	.60	8-61, 8-81, 8-91	G7977	1.35
Model "A", Model "F", "D", "E"	G7911	.60	Gloriatone Early 27	G7918	.60	Westinghouse Elec. & Mfg. Co.	G7991	2.16
Model 36A	G7905	.80	Gloriatone 28	G7916	.60	WR-4	G7991	2.16
620, 630, 635, 644	G7915	.60	No. 8 Series Super Heterodyne	G7907	.60	Zenith Radio Corp.		
SC-2	G7916	.60	No. 10 Series Super Heterodyne	G7907	.60	70	G7976	1.40
T10-740	G7910	.60	No. 28, 29, 32	G7916	.60	Electrad "Snap-on" Switch Assembly		
T12	G7924	.60	7 Series, Pentode	G7904	.60	For use with all Volume Controls selling for 60c. Just pry off metal cap of volume control and "Snap-on" Switch.		
722-30, 30B, 60B, 75B-90B	G7924	.60	United Reproducers			G8075—Your Cost	29c	
724, 36A	G7910	.60	Series 20, Peerless	G7904	.60	Original Zenith Volume Controls		
Bearcat-Midget	G7912	.60	Series K-70	G7920	.60	The original Dual Volume Control used in Zenith Receivers.		
726	G7911	.60	Courier 65	G7917	.60	Dual type with A.C. switch used in Models 52, 53, 522, 532, 54, 542, 55, 57, 60, 61, 62, 64, 67, 602, 613, 622, 612, 672, 71, 72, 73, 77, 712, 722, 732, 777, Zenith Part No. 63-122.		
SMD1 Super	G7912	.60	Wells-Gardner & Company			4G8320—		
37, 38, 39	G7902	.60	C. CG	G7909	.60	Your Cost,	\$1.48	
716, "J", "G"	G7919	.60	Arcadia 72	G7902	.60	Each		
Model "B"	G7924	.60	Model 80A	G7902	.60	Single Unit, with switch, used in Models 52, 53, 522, 532, 54, 542, 55, 57, 62, 64, 67, 60 and 61. Zenith Part No. 63-93.		
Sonora Phonograph Company			Series Ten Super	G7903	.60	4G8321—Your Cost	\$1.23	
3R, 4R, 2RP, 25	G7909	.60	Westinghouse Electric & Manufacturing Co.					
B-31	G7909	.60	WR-5, WR-6, WR-7, WR-8	G7943	.80			
Sparks-Withington			WR-10, WR-10A	G7944	.80			
49, 5-26, 5-15, 39, 6-26, 6-15	G7905	.60	WR-14	G7933	.68			
5, 9	G7949	1.05	WR-15	G7934	.68			
10	G7948	1.05						
15	G7947	1.05						
25, 26	G7946	1.05						
110AC, 301, 111A, 101, 103, 109, 589, 600, 610, 620, 930, 931, 79A, 89A, 69, 737, 574, 870, 591, 593, 564, 570, 740, 750	G7930	.68						
AR-19 (Auto Radio)	G8036	.80						



The original Dual Volume Control used in Zenith Receivers. Dual type with A.C. switch used in Models 52, 53, 522, 532, 54, 542, 55, 57, 60, 61, 62, 64, 67, 602, 613, 622, 612, 672, 71, 72, 73, 77, 712, 722, 732, 777, Zenith Part No. 63-122. 4G8320—Your Cost, \$1.48 Each. Single Unit, with switch, used in Models 52, 53, 522, 532, 54, 542, 55, 57, 62, 64, 67, 60 and 61. Zenith Part No. 63-93. 4G8321—Your Cost \$1.23

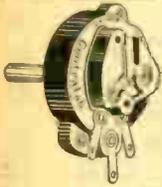
NEW LOW PRICES

Centralab

Free Volume Control Guide
Will be sent when ordering 12 or more CRL Controls.

Abbreviations: L.H.—Increases with clockwise rotation. R.H.—Increases with counter clockwise rotation. SYM.—Tapered symmetrical.

VOLUME CONTROLS



Announcing a New Line of CENTRALAB VOLUME CONTROLS to meet the demand for a quality volume control at a low price. The same high quality as used in all of CENTRALAB'S products and years of experience in the resistance field go into making these controls the finest offered at this price, or near it. This list covers the 10 most popular controls and are guaranteed to give lasting satisfaction. CENTRALAB replacement controls can be used on any set regardless of the make or type control originally used.

It is not necessary and often not desirable to connect the replacement control in the same circuit location as the original. Where the original control was of the wire wound type so located as to carry considerable current better and smoother volume control will result by using Replacement Control No. H9002 shunted from Antenna to Ground. The connections to the old control should then be soldered and taped to provide maximum volume at all times, with the Antenna control adjusted for the necessary volume level.



SPECIAL PHILCO VOLUME CONTROLS

These replacements will exactly duplicate the original in all operating essentials, although not necessarily in appearance, since the original has been manufactured by someone else. These controls will give superior performance, particularly true where the original control may have been a wire wound such as those used in Philco Models 50, 50A, 41, 42 and 46.

Stock No.	Philco No.	Philco Models	Resistance Ohms	Your Cost
H9013	4463	Transstone Audio Radio	500,000	\$.65
H9014	4093	96, 96A, 296, 296A, 30, 111, 111A, 211, 211A, 112, 112A, 212A, 212.	500,000	.70
H9015	3076	511, 521, 86, 82, 83, 87	10,000	.70
H9016	3790	92 and 95	10,000	.80
H9017	5839	51, 51A, 52, 52A, 551, 551A	5,000	.45
H9018	5232	50, 50A	5,000-2,000	1.10
H9019	4141	41, 42, and 46	5,000-2,000	1.10

ELF POTENTIOMETERS Three Terminals

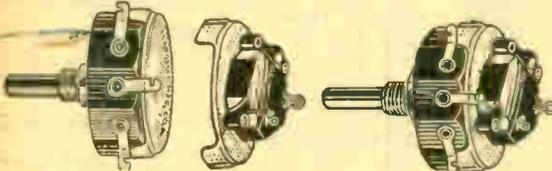
Can be used for Tone, Pick-up and Volume Controls. Shaft extends 1 3/4 Ins. from case, milled flat for set screw or push-on knobs. Bakelite case, 1 1/2 x 1/2 Ins. Bushing, 3/8 In. Stock No.

With Switch	Without Switch	Resistance In Ohms	Circuit Location
H9020	H9000	1,000	Antenna Shunt
H9021	H9001	2,000	Antenna Shunt, "C" Bias
H9022	H9002	5,000	Antenna Shunt
H9023	H9003	10,000	Antenna Shunt, "C" Bias and Ant.
H9024	H9004	25,000	Antenna Shunt, "C" Bias and Ant.
H9025	H9005	50,000	Screen Voltage or Tone Control
H9026	H9006	75,000	"C" Bias Control
H9027	H9007	100,000	Screen Voltage or Tone Control
H9028	H9008	250,000	Audio Shunt or Tone Control
H9029	H9009	500,000	Audio Shunt or Tone Control
H9030	H9010	1 Megohm	Audio Shunt or Tone Control

Your Cost, WITHOUT A.C. SWITCH **45¢**
Your Cost, WITH A.C. SWITCH **65¢**

CLAROSTAT AD-A-SWITCH WIRE WOUND UNITS AND SWITCH COVER-PLATES

Listed below a series of Clarostat Wire Wound Controls designed to fill the jobber's, dealer's and serviceman's demand for reliable wire wound single controls which can be used either with or without switches as required. The plain dust-guard coverplate supplied with these controls can be pried off and a switch type dust-guard coverplate can be snapped in its place to convert the switchless unit into a switch unit. These units are supplied less knob, with insulated shaft and bushing.



Stock No.	Resistance Ohms	Current Carrying Capacity Ma.	Tapered for; or suggested uses	Your Cost
2F7099	50	250	Standard potentiometer.	.47
2F7098	100	180	Standard potentiometer.	.47
2F7097	200	125	Standard potentiometer.	.47
2F7096	300	100	Standard potentiometer.	.47
2F7095	400	85	Standard potentiometer.	.47
2F7094	500	80	Standard potentiometer.	.47
2F7093	750	65	Standard potentiometer.	.47
2F7092	1,000	55	Standard potentiometer.	.47
2F7091	1,000	40	For untuned antenna control.	.52
2F7090	2,000	40	Standard potentiometer.	.52
2F7089	2,000	25	For untuned antenna control.	.55
2F7088	2,000	25	For "C" bias control.	.55
2F7087	3,000	30	Standard potentiometer.	.52
2F7086	3,000	20	For "C" bias control.	.55
2F7085	3,000	20	For combined ant. and "C" bias.	.55
2F7084	5,000	25	Standard potentiometer.	.52
2F7083	5,000	17	For combined ant. and "C" bias.	.55
2F7082	5,000	17	For "C" bias control.	.55
2F7081	7,500	20	Standard potentiometer.	.55
2F7080	7,500	14	For combined ant. and "C" bias.	.55
2F7079	7,500	14	For "C" bias control.	.55
2F7078	10,000	17	Standard potentiometer.	.55
2F7077	10,000	12	For ant. or R.F. coil control.	.60
2F7076	10,000	12	For combined ant. and "C" bias.	.60
2F7075	10,000	12	For "C" bias control.	.60
2F7074	10,000	12	For screen grid voltage.	.60
2F7073	15,000	14	Standard potentiometer.	.55
2F7072	15,000	11	For combined ant. and "C" bias.	.60
2F7071	15,000	11	For screen grid voltage.	.60
2F7070	20,000	12	Standard potentiometer.	.60
2F7069	20,000	10	For "C" bias control.	.64
2F7068	25,000	11	Standard potentiometer.	.64
2F7067	30,000	11	Standard potentiometer.	.69
2F7066	40,000	10	Standard potentiometer.	.69
2F7065	50,000	9	Standard potentiometer.	.78

Switch Type Coverplate 29

FROST-RADIO VOLUME CONTROLS



No. 70 Series, Composition Element, bakelite case with metal dust-proof back cover, furnished either with or without "Built-in" switch. This series have the full wiping contact between the movable member and the hard smooth composition resistance element. Size, 1 1/2 ins. in diameter, 2 1/4 in. in depth. 1 3/4 ins. shaft length, 1/4 in. in diameter.

Without Switch	With A.C. Switch
2G8300	2G8308
2G8301	2G8309
2G8302	2G8310
2G8303	2G8311
2G8304	2G8312
2G8305	2G8313
2G8306	2G8314
2G8307	2G8315

Your Cost, without switch, each **42¢**
Your Cost, with A.C. switch, each **62¢**

DUAL VOLUME CONTROLS
50,000—50,000 ohms 2G8316
10,000—50,000 ohms 2G8316

Your Cost, Either type **98¢**

Yaxley Jr. Rheostats and Potentiometers



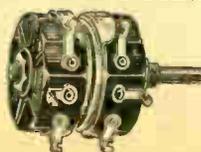
Used as standard equipment by set manufacturers. Midget in size, 1 3/8 in. in diameter and mount in a single 1/4 in. panel hole. Complete with knob.

Stock No.	Resistance Ohms	Current Amperes
2F6480	1	2.2
2F6481	2	1.6
2F6482	3	1.3
2F6483	6	.9
2F6484	10	.7
2F6485	15	.6
2F6486	20	.5
2F6487	25	.45

Your Cost Each **44¢**

Stock No.	Resistance Ohms	Current Amperes	Your Cost
2F6488	15	.6	.58
2F6489	25	.45	.58
2F6490	30	.4	.58
2F6491	40	.35	.58
2F6492	50	.3	.58
2F6493	60	.28	.58
2F6494	75	.26	.58
2F6495	100	.22	.58
2F6496	200	.15	.58
2F6497	400	.11	.58
2F6498	1000	.07	.73
2F6499	2000	.05	.73
2F6500	3000	.04	.73
2F6501	5000	.03	.88
2F6502	10000	.02	.88

Clarostat Replacement Volume Controls



FOR VICTOR MODELS
R-32, RE-45, R-52, RE-75.
Dual volume control, 3800-3800 ohms. Shpg. Wt., 8 Oz. on any 1 control. **1.30**
2F7050—Your Cost

RADIOLA Models 42, 48, VICTOR Models R-14, R-15.

Made for the above receivers. No changes necessary to install this unit. **1.30**
2F7053—Your Cost

ZENITH 50, 60, 70 SERIES RECEIVERS
Dual volume control, used in late models of 50, and 60 Series, all of the 70 Series. Supplied with or without A.C. switch.
2F7051—Without switch **1.10**
Your Cost, Each
2F7052—With A.C. switch. Your Cost, Each. **1.60**

ELECTRAD TRUVOLT

TRUVOLT FLEXIBLE RESISTORS

3 Watt, 6 Inches Long with pigtails					
Stock No.	Ohms	M.A.	Stock No.	Ohms	M.A.
G7600	25	346	G7615	600	70
G7601	50	245	G7616	650	68
G7602	75	200	G7617	700	65
G7603	100	173	G7618	750	63
G7604	150	141	G7619	800	61
G7605	200	122	G7620	900	57
G7606	225	115	G7621	1000	54
G7607	250	109	G7622	1100	52
G7608	300	100	G7623	1200	50
G7609	350	92	G7624	1300	48
G7610	375	89	G7625	1400	46
G7611	400	86	G7626	1500	44
G7612	450	81	G7627	1600	43
G7613	500	77	G7628	1650	42
G7614	550	73	G7629	1700	42

Stock No. Ohms M.A. Stock No. Ohms M.A. Stock No. Ohms M.A.

G7630 1750 40 G7631 1800 40 G7632 2000 38
 G7633 2250 36 G7634 2500 34 G7635 2600 33
 G7636 2700 33 G7637 2800 32 G7638 3000 31
 G7639 3500 29 G7640 4000 27 G7641 4500 25
 G7642 5000 24 G7643 5500 23 G7644 6000 22

List Price, 50c.
 Your Cost, Each
 Per Dozen \$2.60

6 Watt, 12 Inches Long with pigtails					
Stock No.	Ohms	M.A.	Stock No.	Ohms	M.A.
G7650	500	109	G7655	5000	34
G7651	1000	72	G7656	6000	31
G7652	2000	54	G7657	7000	29
G7653	3000	44	G7658	8000	27
G7654	4000	38			

Stock No. Ohms M.A. Stock No. Ohms M.A. Stock No. Ohms M.A.

G7659 9000 25 G7660 10000 24 G7661 11000 23
 G7662 12000 22

List Price, \$1.00.
 Your Cost, Each
 Lots of 10, Each 43c

VOLTAGE DIVIDERS

For 250 Type Tubes



Three Truvolt type "C" units mounted on an insulated bracket for use with any power supply for '10 or '50 type tubes. Easily adjusted taps provide all voltages necessary. 8 sections, a total of 21,000 ohms resistance.

G7316—Shpg. Wt., 3 lbs.
 List Price, \$5.00.
 Your Cost \$2.94

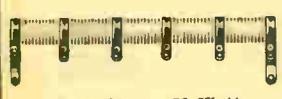
For 245 & 247 Tubes



Two Truvolt type C units mounted on an insulated bracket for use with any power supply for '45 or '47 Pentode type tubes. Total resistance of 14,700 ohms, divided in seven sections to supply all "B" and "C" voltages, by means of the sliding contacts. Shpg. Wt. 3 lbs.

2G7317—List Price, \$3.50
 Your Cost \$1.75

Variable Voltage Dividers



13,000 Ohms—50 Watts

This universal air cooled voltage divider has 4 sliding taps that enables the serviceman and set builder to obtain various voltages depending on the particular type of circuit in which it is used.

4G7318—Your Cost 80c

25,000 Ohms—50 Watts

Similar in appearance to above, with the exception that it has a total resistance of 25,000 ohms, also has 4 variable taps.

4G7319—Your Cost 80c

25,000 Ohms—75 Watts

Special Heavy Duty tapped voltage divider where excessive current is used. Has 4 sliding contacts.

4G7320—Your Cost 1.25

41,000 Ohms—75 Watts

Designed for the power supply of amplifier. Ideal for Public Address and Phonograph amplifiers. Has 6 sliding contacts for all necessary voltages.

2G7321—Your Cost 1.95
 Shpg. Wt., 8 oz

POTENTIOMETER CONTROLS



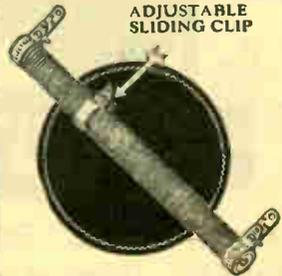
Electrad Potentiometer controls. Manufacturer's type. Suitable for use as volume controls, Tone controls, and Rheostats. Size, 1 3/8 inches diam., 1/2 inches depth. Shaft overall is 1 1/4 inches. Furnished with and without switch.

Noiseless. Shpg. Wt. 8 oz.
 Without Switch With A.C. Switch

Stock No.	Ohms	M.A.	Stock No.	Ohms	M.A.
G7800	500	100	G7813	5000	41
G7801	1000	75	G7814	6000	38
G7802	2000	37.5	G7815	7000	35
G7803	3000	23	G7816	8000	32
G7804	4000	16.5	G7817	9000	29
G7805	5000	10.5	G7818	10000	26
G7806	6000	7.5	G7819	11000	23
G7807	7000	5	G7820	12000	20
G7808	8000	4	G7821	13000	18
G7809	9000	3.5	G7822	14000	16
G7810	10000	2.5	G7823	15000	14
G7811	11000	2	G7824	16000	12
G7812	12000	1.5	G7825	17000	11

Your Cost, Each 45c
 With AC Switch 65c
 Your Cost, Each 65c

A Complete Line of Electrad Replacement Volume Controls will be found on Pages 82 and 83.



Truvolt Resistors

Truvolt Resistors are unlike any other "fixed" resistors in two important respects. The patented open-air construction insures liberal cooling surfaces, which make for more stable voltages and longer life. The distinctive adjustable clips may be added or removed, or placed at the exact position for the voltages required. They are the most adaptable of all resistors, hence ideal for replacement purposes. The resistance wire is wound over an asbestos-covered, enameled copper core. This in turn, is wound around a hollow, grooved fire-clay base.

TYPE B—25 WATTS

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7200	1	5000	\$0.49
G7201	2	3500	.49
G7202	2.5	3150	.49
G7203	3	2800	.49
G7204	5	2225	.49
G7205	7.5	1800	.49
G7206	10	1500	.49
G7207	15	1250	.49
G7208	20	1100	.49
G7209	25	1000	.49
G7210	50	700	.49
G7211	75	575	.49
G7212	100	500	.49
G7213	200	353	.49
G7214	250	320	.49
G7215	300	289	.49
G7216	400	250	.49
G7217	500	224	.49
G7218	750	182	.49
G7219	800	177	.49
G7220	850	165	.49
G7221	1000	158	.49
G7222	1250	141	.49
G7223	1500	129	.49
G7224	2000	112	.49
G7225	2250	105	.49
G7226	2500	100	.49
G7227	3000	91	.49
G7228	3500	84	.49
G7229	4000	79	.49
G7230	4500	75	.49
G7231	5000	71	.49
G7232	6000	64	.49
G7233	7000	60	.49
G7234	7200	59	.49
G7235	7500	58	.49
G7236	8000	56	.52
G7237	9000	53	.55
G7238	10000	50	.58
G7239	12000	45	.58
G7240	15000	41	.67
G7241	20000	32	.67
G7242	25000	25	.73
G7243	30000	20	.76
G7244	40000	25	.76
G7245	50000	22.5	.82

Shpg. Wt., 1 unit 8 oz.
 Shpg. Wt., 6 Units 1 lb.

Wt., 1 unit in carton 1 oz.
 Wt., 12 units in container 13 oz.

Extra Sliders, Each 5c
 50c per doz.

DON'T SPLIT YOUR ORDER!

It is not necessary to place part of your order with another house because you do not find some particular article you require listed in our catalog. If it is listed in another catalog we can supply it 99 times out of 100—just say where you saw it and we'll get it for you, at the same or a lower price—in many instances it will be lower.

TYPE C—50 WATTS

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7246	100	700	\$0.79
G7247	200	500	.79
G7248	300	406	.79
G7249	400	353	.79
G7250	500	316	.79
G7251	750	259	.79
G7252	800	252	.79
G7253	1000	224	.79
G7254	1250	200	.79
G7255	1500	182	.79
G7256	2000	158	.79
G7257	2250	149	.79
G7258	2500	141	.79
G7259	3000	129	.79
G7260	3500	119	.79
G7261	4000	112	.79
G7262	4500	105	.79
G7263	5000	100	.87
G7264	6000	91	.87
G7265	7000	84	.87
G7266	7200	83	.87
G7267	7500	82	.87
G7268	8000	79	.87
G7269	9000	74	.87
G7270	10000	71	.96
G7271	12000	65	.96
G7272	15000	58	.96
G7273	20000	50	1.05
G7274	25000	45	1.08
G7275	30000	41	1.11
G7276	40000	35	1.14
G7277	50000	32	1.17
G7278	60000	29	1.23
G7279	80000	25	1.31
G7280	100000	22.5	1.62

Shpg. Wt., 1 unit 8 oz.
 Shpg. Wt., 6 Units 1 lb.

TYPE D—75 WATTS

Stock No.	Resistance in Ohms	Current in Milli-amperes	Your Cost
G7281	100	865	\$0.94
G7282	200	610	.94
G7283	300	500	.94
G7284	400	432	.94
G7285	500	387	.94
G7286	750	316	.94
G7287	800	306	.94
G7288	1000	274	.94
G7289	1250	245	.94
G7290	1500	224	.94
G7291	2000	194	.94
G7292	2250	182	.94
G7293	2500	173	.94
G7294	3000	158	.94
G7295	3500	146	.94
G7296	4000	137	.94
G7297	4500	129	.94
G7298	5000	122	.94
G7299	6000	112	.96
G7300	7000	103	.96
G7301	7200	102	.96
G7302	7500	100	.99
G7303	8000	97	.99
G7304	9000	91	.99
G7305	10000	87	1.11
G7306	12000	79	1.11
G7307	15000	71	1.26
G7308	20000	61	1.26
G7309	25000	55	1.31
G7310	30000	50	1.31
G7311	40000	43	1.31
G7312	50000	39	1.46
G7313	60000	35	1.62
G7314	80000	31	1.62
G7315	100000	27	1.62

Shpg. Wt., per unit 8 oz.

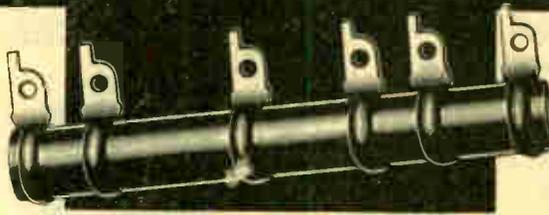
NOTE: Above wattage and current ratings apply only when units are suspended in free air, otherwise loads exceeding 50 per cent of their ratings should not be applied. Voltages greater than 400 D.C. should not be applied across the terminals of any one resistance unit. For high voltages it is advisable to use two or more units in series.

For Electrad Super-Tonotrols, "L" and "T" Pad Attenuators.

Refer to pages 48, 49, and 50, of Public Address Accessories.

VOLTAGE DIVIDERS

Wholesale Radio Service presents below an accurate listing of voltage dividers. The serviceman can now be assured that the divider or resistance



he requires is made according to original specifications. This is only a partial list; a complete listing will be sent to those requesting same. (Just another wholesale "Service").

Name and Model	Resistance	Stock No.	Your Cost	
ACME				
Model AC-7.....	2500-1200-200	1X20400	\$0.67	
Model AC-7.....	2000-290	2X20401	.45	
ALL AM. MOHAWK				
Model A-B-C-D-E-F-G-H.....	2000-2000-1000-300-900	2X20402	.95	
Model C-6.....	3000-2000-2500-900	2X20403	.95	
Model Lyric K.....	908-150-650-40-250-2000-1700	2X20404	.90	
AMRAD				
Model AC-7.....	2175-1555-350	2X20405	.75	
APEX				
Model 8.....	500-1000-1200-600-600-550	2X20406	.98	
Model 10.....	500-1000-1800-600-425	2X20407	.88	
Model 20.....	55-1250-3750	2X20408	.73	
Model 26.....	1000-2640	2X20409	.58	
Model 26-P.....	640-360-2640	2X20410	.73	
Model 27.....	4700-800-10,700	2X20411	.73	
Model 28.....	7000-700-2200-70	2X20412	.73	
Model 48.....	700-2200-700	2X20413	.73	
ARGUS				
Model B-125.....	300-435-735	2X20414	.73	
Model B-195.....	4000-460-700-65-280	2X20415	1.45	
ARBORPHONE				
AC Model.....	1500-20,000-0-1300-275	2X20416	.95	
Model R-11.....	1100-250	2X20417	.55	
Model R-11.....	8500-2000	2X20418	.75	
AUDIOLA				
Model 31 Series.....	2300-2100-850	2X20419	.75	
Model Super-Pentode.....	10,000-10,000-4000	2X20420	.73	
BALKEIT				
Models AB6, 180-A, 180-B.....	6000-3000-1800	2X20421	.75	
Model C.....	3600-770	2X20422	.55	
Model F.....	4500-650	2X20423	.65	
Models B-7, B-9.....	7700-12,000-4300	2X20424	.95	
Model A-7.....	10,000-3200	2X20425	.75	
Models AB6, 135, B-135.....	6000-3500	2X20426	.75	
BOSCH				
Model 28.....	5000	2X20427	.55	
Model 29-825.....	10,000-10,000	2X20428	.85	
Model 29-825.....	2000	2X20429	.35	
Model 28.....	1200	2X20430	.27	
Model 48.....	950-1450-2000	2X20431	.70	
Model 49.....	1650-800-1950	2X20432	.70	
Model 58.....	2050-1950-180-950	2X20433	.79	
Model 54 DC.....	5 ohms	2X20434	.28	
Model 54 DC.....	22 ohms	2X20435	.28	
Model 60.....	1300-2380-160-950	2X20436	.75	
Model 62, 63 AC.....	1490-2600-250	2X20437	.75	
Model 62, 63 DC.....	20,000-5000-900-150	2X20438	.95	
BRANDES (Kolster)				
Model B-10.....	5600-0-1800-1401000	2X20439	.95	
Model B-11.....	1800-0-450-45-2500	2X20440	.95	
Models B-15, B-16.....	2500-45-410	2X20441	.95	
BREMER-TULLY				
Models 6-40, 6-41.....	3000-560-6500-5000-1660	2X20442	.78	
Models 8-20, 8-21.....	4900-5500-3000	2X20443	.75	
BRUNSWICK				
Models PR-17-8, B-17.....	1690-205-2140-3750-410	2X20444	.55	
Models 5-KR, 3-KR, 2-KR, etc.....	1600-1900-440	2X20445	.28	
Models 3NC8, 5NC8.....	400-350-350-190 (Bias)	2X20446	.50	
Models 3NC8, 5NC8.....	2250 (Plate Resistor)	2X20447	.90	
Model 3KR8 (AP-736).....	7230 ohms	2X20448	.45	
Model 3KR8 (AP-736).....	1500-197-1970-1370-1228	2X20449	1.10	
Model 3-NW-8.....	310-3850-310 (Bias)	2X20450	.85	
Model 3-NW-8.....	2200-300-4000-1280	2X20451	1.00	
Model 3-NW-8.....	1500-1000-250-130-160	2X20452	1.10	
Models 3, 8, 10, 11, 13.....	4920-900-700-90-40-120	2X20453	1.00	
Model PR-6.....	4250-4250-3200	2X20454	.95	
COLONIAL				
Model 28.....	8500-7000	2X20458	.75	
Model 28.....	2200-4000-1000	2X20459	.75	
Model 28.....	50,000-50,000-25,000	2X20460	.65	
Model 32 AC.....	100-40	2X20461	.56	
Model 32 AC.....	210-210	2X20462	.56	
Models 33, 34.....	60,000-50,000-11,000 (Original)	2X20464	.65	
Models 32, 33, 34.....	2400-1800	2X20465	.65	
Model 32 DC.....	34.9 ohms	2X20466	.95	
Model 32 DC.....	1.43 ohms	2X20467	.27	
Model 32 DC.....	5.7 ohms	2X20468	.38	
Model 36.....	100,000-65,000	2X20469	.38	
Model 36 DC.....	1.83-17.6-68	2X20463	.98	
COLUMBIA RADIO				
Model Screen-Grid 8.....	7500-10,000	2X20470	.60	
COLUMBIA (Kolster)				
Models C-1, C-3.....	3000-3000-220-60840	2X20471	.65	
Models C-2, C-4.....	900-120-90	2X20472	.65	
Models C-5, 961 (205).....	7200-60-90-700	2X20473	.75	
Model C-5 (310).....	3400-3800-55-80-140-360	2X20474	.75	
Model 930-300.....	2000-140-500	2X20475	.45	
Model C-500.....	2000-135-500	2X20476	.45	
Models 902, 930, 960.....	2100-120-430	2X20477	.75	
Model 920.....	1650-410	2X20478	.75	
Model 931.....	6000-2200-135-700	2X20479	.75	
Model 940.....	2500-45-410	2X20480	1.00	
Model 950.....	9000-3200-140-70-700	2X20481	.75	
Model 950.....	30,000-20,000	2X20482	.75	
Model 980.....	6000-55-100	2X20483	.75	
CROSLEY				
Model 704 AC Jewelbox.....	540-55-55	2X20484	.75	
Model 704 AC.....	3475-1525	2X20485	.72	
Models 77, 77-1, 120.....	1750-2000-225-320	2X20486	.95	
CONCORD				
Model 8.....	7000-2400-1500	2X20487	.73	
DAYFAN				
Model 6 Jr. 5524, 5525.....	2000-3000-1300	2X20488	.75	
Model 5050 Power Unit.....	1400-3500-5800-7000-180-650	2X20489	1.15	
Model 5080 Power Unit.....	1100-100-2000-3300-950	2X20490	.90	
EARL				
Models 31, 31S, 32, 32S, 41, 33, 33S.....	4000-0-750	2X20491	.35	
EDISON				
Models R-1, R-2, C-2.....	12,500	2X20492	.29	
Models R-4, R-5, C-4.....	10,000	2X20493	.45	
Models R-1, R-2, C-2.....	750-750	2X20494	.65	
All Models.....	8000	2X20495	.29	
ERLA				
Model R-1, "A" Power Units.....	8660-9000-55	2X20496	.95	
FADA				
Models 42, 44, 41, 46, 47.....	800-300-100	2X20497	.70	
FEDERAL				
Models D, E, F, G (Units).....	135-2000-200-350	2X20499	1.05	
Model H (Unit).....	3500-13,000	2X20500	.75	
FREED				
Models 78, 78S, 79, 79S, 90, 90S, 95, 65.....	4000-0-750	2X20491	.35	
FREED-EISEMANN				
Model NR-11.....	7.5 ohms	2X20501	.55	
Model NR-11.....	360-90-90	2X20502	.55	
Model NR-11.....	1750 ohms	2X20503	.55	
Models NR-57, NR-60.....	1750 ohms	2X20503	.55	
Models NR-57, NR-60.....	350-2000	2X20504	.65	
Model NR-70.....	1150-2000-350	2X20505	.75	
Model NR-80.....	2000-350	2X20506	.65	
Model NR-485.....	1900-2000-350	2X20507	.75	
FRESHMAN				
Models N-11, N-12.....	2200-6600-3300-4500-1500	2X20508	.65	
Model "G".....	2100-3000-4300-1250-300	2X20509	.65	
GENERAL ELECTRIC				
Model T-41.....	3200-830-120-715	2X20639	.60	
GENERAL MOTORS				
Model "A" Chassis 120, 130, 140, 150, and 160.....	1400-3500-5800-7000-180-650-800-59-1863-2000-465-6900-7600-4800	2X20510	1.15	
		2X20511	1.20	
		2X20512	1.15	

Name and Model	Resistance	Stock No.	Your Cost	Name and Model	Resistance	Stock No.	Your Cost
GRAYBAR				SILVER-MARSHALL			
Model 17.....	1690-205-2140-3750-410	2X20444	.55	Model 651.....	3800-4200-730-990	2X20574	1.05
Model 400.....	2800-900-3600-1100 (No. 1)	2X20563	.95	Model 651.....	6200-1000	2X20575	1.70
Model 400.....	500-0-1460-540-0-80 (No. 2)	2X20564	.95	Model 655.....	11,350 ohms divider	2X20576	.95
Model 311.....	1600-1900-440	2X20445	.28	Model 659.....	10,300 ohms divider	2X20577	.95
Model 500.....	400-350-350-190 (Bias)	2X20446	.50	Model 660.....	6000-4000-1500	2X20578	.85
Model 500.....	2250 (Plate Resistor)	2X20447	.40	Models 672, 669.....	3000-0-1250-1250	2X20579	.70
Model 600.....	375-90 (Bias)	2X20513	.40	SPARTON			
Model 600.....	4800 (Plate Resistor)	2X20447	.40	Model AC-7, 62, 63.....	2200-70	2X20580	.55
Model 678.....	3200-830-120-715	2X20639	.60	Model 110.....	20,000-2000-7000	2X20581	.95
GREBE				Model 110 DeLuxe.....	7000	2X20582	.55
Model SK-4.....	677-2200-62	2X20515	.75	Model 110 DeLuxe.....	900	2X20583	.27
Model SX-4.....	7000-10,000-1500	2X20516	1.05	Model Sparks Ensemble.....	3000	2X20584	.55
Model AC-6.....	750-2800-5900	2X20517	.75	SAMSON "PAM"			
Model AC-6.....	6300-95-695	2X20518	.70	Pam Model 25.....	30,000-800	2X20585	.75
Model AC-7.....	20,000-6000	2X20519	.70	Pam Model 25.....	60,000	2X20586	.75
GULBRANSEN				Pam Model 210.....	1540-19,300	2X20587	.80
Model AC-8.....	3100-9473-11,250-150	2X20520	.95	Pam Model 210.....	1560-775-11,000	2X20588	.80
HAMMERLUND				Model PABC 2.....	740-90-90	2X20589	.60
Model HI-Q 30.....	800-2000-1400-3000-2000	2X20521	.75	Model PABC 2.....	1500-2000-500	2X20590	.75
Model HI-Q 31.....	2400-2800-1850-3750-850	2X20522	1.05	Model PABC 3.....	460-60-50	2X20591	.60
HOWARD				Model PABC 4.....	1750-1100	2X20592	.75
Model 135-AC.....	1600-12,000	2X20523	.95	Model PABC 5.....	5000-1100-1100	2X20593	.80
KELLOGG				Model DeLuxe.....	45-45-310-30	2X20594	.75
Models 523, 528.....	1000-3000-1500-1000-130	2X20537	1.80	SONORA			
KOLSTER				Models B-30, B-31.....	800-1000-1200-4000	2X20595	.65
Models 6J, 6K, 6R.....	3000-3000-220-900	2X20538	.75	Model 880.....	2500-5500-4500-		
Model 6H.....	500-5000-940	2X20539	.65	Model 885.....	150-650	2X20596	1.05
Models K-20, 22, 25, 27.....	90-125-900	2X20540	.80	Model 885.....	5000-150-700	2X20597	.75
Model K-24.....	3400-3800-55-80-140-360	2X20541	.75	Model 885.....	2900-5000	2X20598	.75
Model K-38.....	3600-55-75-700	2X20542	.75	Model C-885.....	2500-3000-3000-675	2X20599	.60
Model K-42.....	840-140-2600	2X20543	.75	SPLITDORF			
Model K-43.....	1600-1000-380	2X20544	.75	Model "Abbey".....	12,500	2X20492	.29
Models K-44, K-45.....	1450-650-200-350	2X20545	.80	Model "Abbey".....	10,000	2X20493	.45
Model K-48.....	1500-2000-100-2000	2X20546	.75	Model "Abbey".....	8000	2X20495	.29
Model K-50.....	1525-2500-280-400	2X20547	.95	STEINITE			
Models K-60, K-62.....	4000-1500-1500-200	2X20548	.75	Model 22.....	1700-4000-8000	2X20600	.75
Models K-70, K-72.....	3000-3000-2000-200	2X20549	.75	Model 26.....	8000-8000	2X20601	.65
Models K-90, 92, 80, 82.....	6000-7000-3000-250			Model 40.....	3000-11,740-4270-1190	2X20602	.95
MAJESTIC				Model 50.....	8100-11,750-5200-827	2X20603	.95
Model 20.....	4000-7000-750-150	2X20550	.75	Models 70, 80, 95.....	10,000-10,000-2440	2X20604	.50
Model 30.....	2360-3800-3460-0-101-750	2X20551	1.00	Model 991.....	1800-1000-250-0-250	2X20605	.75
Model 130-A.....	4875-5230-3340-7900-154	2X20552	.95	STROMBERG-CARLSON			
PHILCO				Models 10, 11.....	4000-100-780	2X20607	.75
Models 20, 20-A.....	1400-187-75-0-2470-975	2X20553	.60	Models 10, 11.....	4760-3200-1900	2X20608	.85
Model 65.....	2000-700	2X20554	.49	Models 12, 14.....	4000-4000-3025	2X20609	.95
Models 76, 77, 77-A.....	800-250	2X20555	.65	Models 12, 14.....	5000-100-1210-260	2X20610	.85
Models 76, 77, 77-A.....	2000-1500-1400	2X20556	.65	Model 403-B.....	27-6	2X20611	.75
Model 87.....	3785-157-0-640	2X20557	.75	Model 403-B.....	3000-2500	2X20612	.75
PEERLESS				Model 403-B.....	3000-70-700	2X20613	.75
Courier Model 22.....	100,000-50,000-50,000-25,000	2X20558	.60	Models 635, 636.....	2500-3000-3000-770	2X20614	.90
RCA-RADIOLA				Model 638.....	2500-6000-500	2X20615	.90
Models 17, 50.....	1690-205-2140-3750-410	2X20444	.55	Models 846, 848.....	6000-3200	2X20616	.75
Models 18, 33, 51.....	1600-1900-440	2X20445	.28	Models 846, 848.....	4350-1700-330	2X20617	.75
Model 30-A.....	3000-2000-300-500-900	2X20559	.95	Models 846, 848.....	725 ohms	2X20618	.35
Model 41 (Receptor).....	12,300-8000-5000	2X20560	.90	Models 403, 403-A.....	2500-3000-3000-70-770	2X20614	.90
Model 41 (Sterling).....	17,400-8600	2X20561	.85	Models 641, 642, 652, 654.....	1450-4000-3000-1300	2X20619	.85
Model 41 (Sterling).....	4200-380-1420	2X20562	.80	Models 641, 642, 652, 654.....	7800-3200	2X20620	.75
Model 44.....	2800-900-3600-1100 (No. 1)	2X20563	.95	Models 641, 642, 652, 654.....	170 ohms	2X20621	.25
Model 44.....	500-0-1460-540-0-80 (No. 2)	2X20564	.95	Models 641, 642, 652, 654.....	7800-4500-3000-4000	2X20622	.95
Models 46, 47.....	2800-900-3600-1100 (No. 1)	2X20563	.95	Early Models of Models 10, 11.....	4760-3200-5900-190-780	2X20623	.95
Models 46, 47.....	1460-540-0-80 (No. 2)	2X20565	.95	Early Models of Models 10, 11.....	4760-3200	2X20624	.75
Models 42 and 48.....	3200-830-120-715	2X20639	.60	Early Models of Models 10, 11.....	5900-100-780	2X20625	.75
Models 60, 62.....	400-350-350-190 (Bias)	2X20446	.50	Early Models of Models 10, 11.....	1100-2000	2X20626	.70
Models 60, 62.....	2250 (Plate Resistor)	2X20447	.40	Early Models of Models 10, 11.....	3000-3000	2X20627	.70
Model 64.....	1280-4000-300-2200	2X20566	1.10	TEMPLE			
Model 64.....	1500-1000-250-130-160	2X20567	1.00	D. C. Model.....	11-22	2X20628	.60
Models 64, 67.....	310-3850-310 (Bias)	2X20568	.80	Model 7-60, 7-80.....	8000-1600-8000-4000	2X20629	.75
Model 66.....	375-90 (Bias)	2X20513	.40	Models 8-60, 80-90.....	900-5200-750	2X20630	.60
Model 66.....	4800 ohms (Plate Resistor)	2X20514	.70	THORDARSON			
Model 67.....	2400-960-240-115-215-100	2X20569	1.25	R-171 Power Unit.....	2000-3000-3000-3000-2000	2X20631	.75
Model 67.....	1435-3400-300-2200	2X20570	1.10	VICTOR			
105 Loudspeaker.....	1325-65-140-1446 (No. 1)	2X20571	1.25	Models 7-11, 7-25, 7-26.....	1690-205-2140-3750-410	2X20444	.55
105 Loudspeaker.....	1050-1300-1325 (No. 2)	2X20572	1.25	Models 9-18, 9-54.....	1280-4000-300-2200	2X20566	1.10
105 Loudspeaker.....	4000 ohms (Nos. 3 and 4)	2X20573	1.10	Models 9-18, 9-54.....	1500-1000-250-130-160	2X20567	1.00
				Models 9-18, 9-54.....	310-3850-310 (Bias)	2X20568	.80
				Models R-32, RE-45, R-52, RE-75.....	2000-1350-200-775	2X20632	.75
				Models 14, 15 and 17.....	3200-830-120-715	2X20639	.60
				WESTINGHOUSE ELECTRIC			
				Model WR-4.....	3200-830-120-715	2X20639	.60
				ZENITH			
				Models ZE-10, ZE-12, ZE-13.....	6000-7800-8000-2500	2X20635	.75
				ZE-15, ZE-16 Power Units.....	13,000-11,000-9500-1800	2X20636	.90
				Model ZE-18 Power Unit.....	3200-1200-1200-1600	2X20637	.75
				Models ZE-50, ZE-60, ZE-70 Series Power Units.....	2800-2350-850	2X20638	.95

TRUTEST—GUARANTEED VITREOUS ENAMELED RESISTORS

The very finest quality, brand new and guaranteed units. Each individually marked. They are exceptional bargains at our low price and we suggest an assortment for your emergency needs. 20 WATT SIZE 2 Inches Long.



Stock No.	Your Ohms	Your Cost	Stock No.	Your Ohms	Your Cost	Stock No.	Your Ohms	Your Cost
2E4910	5	\$.24	2E4925	750	\$.26	2E4940	3250	\$.35
2E4911	10	.24	2E4926	800	.27	2E4941	3500	.35
2E4912	25	.24	2E4927	1000	.30	2E4942	3750	.35
2E4913	50	.24	2E4928	1100	.30	2E4943	4000	.35
2E4914	75	.24	2E4929	1200	.30	2E4944	4500	.35
2E4915	100	.24	2E4930	1250	.30	2E4945	5000	.35
2E4916	150	.24	2E4931	1500	.30	2E4946	6000	.35
2E4917	200	.24	2E4932	1750	.30	2E4947	7000	.35
2E4918	250	.24	2E4933	1850	.30	2E4948	7500	.35
2E4919	300	.25	2E4934	2000	.30	2E4949	8000	.35
2E4920	350	.25	2E4935	2250	.30	2E4950	10000	.35
2E4921	400	.25	2E4936	2400	.30	2E4951	12500	.40
2E4922	500	.25	2E4937	2500	.35	2E4952	15000	.40
2E4923	650	.25	2E4938	2750	.35			
2E4924	700	.25	2E4939	3000	.35			

50 WATT SIZE 4 inches Long

Stock No.	Your Ohms	Your Cost	Stock No.	Your Ohms	Your Cost	Stock No.	Your Ohms	Your Cost
2E4955	10	\$.35	2E4965	1250	\$.40	2E4975	7500	\$.50
2E4956	20	.35	2E4966	1500	.40	2E4976	8000	.50
2E4957	50	.35	2E4967	2000	.40	2E4977	9000	.50
2E4958	100	.35	2E4968	2250	.40	2E4978	10000	.50
2E4959	250	.35	2E4969	2500	.40	2E4979	12000	.50
2E4960	500	.35	2E4970	3000	.40	2E4980	15000	.50
2E4961	700	.37	2E4971	4000	.42	2E4981	25000	.55
2E4962	750	.37	2E4972	5000	.42	2E4982	50000	.60
2E4963	1000	.40	2E4973	6000	.45	2E4983	70000	.60
2E4964	1150	.40	2E4974	7000	.50	2E4984	100000	.65

Trutest Resistances

The Wire wound filament resistances. Dependable construction; run true to rating. Resistance values of 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 25, 30, 40, 50 and 60 ohms. 2D3997—List, 15c

Your Cost, Each..... 08c
Resistance values of 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 and 1500 ohms. 2D3998—List, 25c
Your Cost, Each..... 10c

Center Tap Resistances
Same as above, but tapped at the electrical center. Available in 10, 20, 30, 40, 50, 60, 100 and 200 ohms. 2D3999—List, 30c
Your Cost, Each..... 12c

A.K. GRID-BIAS RESISTOR



Official Atwater Kent grid bias resistance 3250 ohm, tapped at 750 ohm. 2F6550—
Your Cost, Each..... 10c
In Lots of Ten, 90c

A.K. CENTER TAP RESISTOR



Used in Atwater Kent sets, 20 ohm center tap resistance, tapped at electrical centers. 2F6551—
Your Cost, Each..... 06c
In Lots of Ten, 50c

Yaxley 20-ohm Center Tapped Wire Wound Resistor



Tapped with soldering lug at the electrical center. 2F6300—
Your Cost, Each..... 06c
In Lots of Ten, 50c

YAXLEY Tapped Resistances



Each resistance unit is space wound, the center tap is accurately placed in the electrical center of the resistance—not necessarily the dead center of the unit.

Stock No.	Resistance	Mounting in Ohms	Centers	Net Price
2F6301	6	1 1/2 in.	"	\$.18
2F6302	10	1 1/2 "	"	.18
2F6303	12	1 1/2 "	"	.18
2F6304	15	1 1/2 "	"	.18
2F6306	20	1 1/2 "	"	.18
2F6307	30	2 1/2 "	"	.18
2F6308	50	1 1/2 "	"	.18
2F6309	64	1 3/4 "	"	.24
2F6310	100	2 3/4 "	"	.24
2F6311	400	2 "	"	.24

YAXLEY GRID RESISTORS



Wire wound for the grid line. Mount directly to socket. Illustrated above.

Stock No.	Resistance	Mounting in Ohms	Centers	Net Price
2F6315	100	1 1/2 in.	"	\$.15
2F6316	200	1 1/2 "	"	.15
2F6317	300	1 1/2 "	"	.15
2F6318	400	1 1/2 "	"	.15
2F6319	500	1 1/2 "	"	.15
2F6320	600	1 1/2 "	"	.21
2F6321	700	1 1/2 "	"	.21
2F6322	800	1 3/4 "	"	.21
2F6323	1000	1 1/2 "	"	.21
2F6324	1500	2 1/2 "	"	.21
2F6325	2000	3 1/2 "	"	.21
2F6326	3000	4 "	"	.21

YAXLEY Resistance Units

Small, accurate, provided with combination screw eye and solder lug.



List, each, 15c—Net..... 9c

Stock No.	Ohms	Stock No.	Ohms
2F6330	1	2F6337	10
2F6331	2	2F6338	15
2F6332	3	2F6339	20
2F6333	4	2F6340	25
2F6334	5	2F6341	30
2F6335	6	2F6342	40
2F6336	8		

YAXLEY VARIABLE CENTER-TAP RESISTOR



A wire wound variable tapped resistance for grid bias. 200 ohms. 2F6350—Your Cost, Each... 10c

YAXLEY 20 OHM POTENTIOMETER

Similar in appearance to above. A genuine Yaxley 20 ohm potentiometer. Can be used as hum or filament control. Slotted shaft. 4F6351—
Your Cost, Each..... 10c

WARD-LEONARD VITROHM HEAVY DUTY RESISTORS



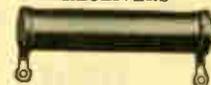
For D. C. receivers, battery charging circuits, transmitting and many others. 200 watt rating. 8 1/2 ins. long, 1 1/4 ins. diam. 2E4990—17.5 ohms. 2E4991—15.0 ohms.
Your Cost, Each..... 95c

"C" BIAS RESISTORS

For use as a "C" bias or a Plate Resistor. 600 ohm enameled wire-wound resistor, 10 watt.

2 1/2 ins. long. 2E4992—Your Cost, Each..... 10c
900 ohm Areovox enameled wire-wound. 10 watt. 1 in. long. 2E4993—Your Cost, Each..... 10c
1000 ohm enameled wire-wound resistor with mounting legs. 20 watt. 2 in. long. 2E4994—Your Cost, Each..... 15c

For EDISON and SPLITDORF RECEIVERS



Can be used in many other sets and circuits. 50 Watt rating. 2X20492—12,500 ohms
Your Cost, Each..... 29c
In dozen lots..... \$3.00
2X20493—10,000 ohms
Your Cost, Each..... 45c
In dozen lots..... \$5.00
2X20495—8,000 ohms.
Your Cost, Each..... 29c
In dozen lots..... \$3.00

Yaxley or Carter



40 ohm potentiometers, less knob. 2F6352—
Your Cost, Each 10c

RADIOLA VOLUME CONTROL STRIPS



For the serviceman that wishes to repair the old volume control by installing a new resistance strip in place of the defective one. For Models 18, 33, and 51. 2G7670—2,000 ohms. For Models 44, 46, 47, 64. 2G7671—3,000 ohms. For Models 60 and 62. 2G7672—450 ohms. For Model 66. 2G7673—550 ohms. For Model 64. 2G7674—1,250 ohms.
Your Cost, Each..... 24c
In dozen lots..... 2.50

Power and Super-Power Clarostats

Power and Super-Power Clarostats are heavy-duty variable resistors for radio power units, transmitters, or general electrical applications. The Power Clarostats will handle 80 watts, the Super-Power will carry 250 watts. Both types can be mounted one-hole panel type.
Power Clarostats Resistance Range in Ohms
2F6831 1 to 10
2F6832 25 to 500
2F6833 200 to 10,000
List \$3.50.
Your Cost, Each..... \$2.05



Super-Power Clarostats Resistance Range in Ohms
2F6834 1/4 to 10
2F6835 25 to 500
2F6836 200 to 10,000
List \$6.00.
Your Cost, Each..... \$3.50

AUTOMATIC LINE VOLTAGE CONTROL

The Clarostat Automatic Line Voltage Regulator designed to absorb the line fluctuations, assuring safe operation of all radio receivers. For receivers consuming the following wattage. 2F6827—60-100 Watts. 2F6828—100-150 Watts. 2F6829—150-200 Watts. 2F6830—200-250 Watts. List \$1.75.
Your Cost, Each..... 90c



CLAROSTAT LINE BALLASTS

Real compensation for line voltage changes is available for radio sets and amplifiers designed for use with the Line Ballast. The Clarostat Line Ballast will cover a range of from 95 to 135 volts. GUARANTEED REPLACEMENT FOR THE FOLLOWING RECEIVERS:

Stock No.	Replacement For	Ballast Type No.
2F6803	Belmont	2518
2F6804	Bremser-Tully	2169
2F6805	Brunswick	2179
2F6806	Clarion	2408
2F6807	Grebet	6412
2F6808	Grebet	6420
2F6809	Grebet	6310
2F6810	Grebet	0500
2F6811	Grebet	0600
2F6812	Grebet	0608
2F6813	Grebet	0710
2F6815	HFL	4210
2F6805	HQ 30	2179
2F6806	HQ 31	2408
2F6807	Kennedy	6412
2F6809	Kyletron	6310
2F6814	Larkin	2314
2F6807	Larkin	6412
2F6816	Majestic 70	1516
2F6817	Majestic 72	1508
2F6818	Majestic 80	1012
2F6819	Majestic 90	1210
2F6820	Baldwin	2516
2F6809	Peerless	6310
2F6821	Pierson	2500
2F6805	Scott	2179
2F6805	Silver	2179
2F6820	Simplex	2516
2F6805	Sonora	2179
2F6815	Sonora	4210
2F6822	Star Raider	2100*
2F6803	Starck Piano	2518
	Stewart Warner	
2F6823	Model 900-61816	5001
2F6824	Model 950-62152	5002
2F6825	Model R100-66756	5003
2F6809	United Re-pro-ducer	6310
2F6826	UV87 Tube	2200*

* Use two ballasts in series. All types. List \$2.50.
Your Cost, Each..... \$1.40





Remember TRUATEST Resistors

are the finest resistors on the market. R. M. A. Color Coded for easy identification by means of any R. M. A. chart. Guaranteed accuracy, 10% plus or minus. Made specially for us by the world's largest resistance manufacturers. Can be sold at a low price only because of the fact that we buy in huge quantities.

CARBON RESISTORS

TRUATEST CARBON RESISTORS are of the finest material and workmanship. 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.

TRUATEST CARBON RESISTORS look like stone, and are as permanent. Carefully calibrated resistance material is forced under tons of pressure through double dies in conjunction with a paste-like ceramic. This is baked for hours in huge ovens, and then fired at over 2,500° F. After this procedure, no ordinary service or overload temperatures can damage the resistor.

D 24



1 WATT R.M.A. Resistor KIT

\$2.45

Twenty four Truetest R.M.A. color coded 1 watt resistors in a neat and durably finished metal case measuring 4 1/2 x 6 1/2 x 1/4 inches deep. The handiest arrangement ever devised for the serviceman. Over a thousand ranges possible by different combinations of these units. Kit consists of the following high grade resistors:

- 1— 200 Ohms 1— 20,000 Ohms
- 1— 400 " 1— 25,000 "
- 1— 500 " 1— 30,000 "
- 1— 800 " 1— 40,000 "
- 1— 1,000 " 1— 50,000 "
- 1— 2,000 " 1— 60,000 "
- 1— 3,000 " 1— 75,000 "
- 1— 4,000 " 1— 100,000 "
- 1— 6,000 " 1— 250,000 "
- 1— 10,000 " 1— 500,000 "
- 1— 12,500 " 1— 1 Megohms
- 1— 15,000 " 1— 2 Megohms

2E4432—Shpg. Wt., 1 1/4 lbs. \$2.45
Your Cost per Kit

1 WATT CAPACITY

Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
2E4300... 200	2E4312... 3500	2E4324... 25000	2E4336... 300000	2E4301... 400	2E4313... 4000	2E4325... 30000	2E4337... 500000
2E4302... 500	2E4314... 5000	2E4326... 40000	2E4338... 1-Meg	2E4303... 600	2E4315... 6000	2E4327... 50000	2E4339... 2-Meg
2E4304... 700	2E4316... 7000	2E4328... 60000	2E4340... 3-Meg	2E4305... 800	2E4317... 7500	2E4329... 70000	2E4341... 4-Meg
2E4306... 1000	2E4318... 8000	2E4330... 75000	2E4342... 5-Meg	2E4307... 1250	2E4319... 10000	2E4331... 100000	2E4343... 6-Meg
2E4308... 1500	2E4320... 12500	2E4332... 125000	2E4344... 7-Meg	2E4309... 2000	2E4321... 15000	2E4333... 150000	2E4345... 8-Meg
2E4310... 2500	2E4322... 17500	2E4334... 200000	2E4346... 9-Meg	2E4311... 3000	2E4323... 20000	2E4335... 250000	2E4347... 10-Meg

Your Cost Each
Any Value

09¢

Your Cost Per Dozen

95¢

2 WATT CAPACITY

Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
2E4350... 1000	2E4356... 7500	2E4360... 25000	2E4365... 250000	2E4351... 1500	2E4357... 10000
2E4351... 1500	2E4356... 10000	2E4361... 50000	2E4366... 500000	2E4352... 2000	2E4357... 12500
2E4352... 2000	2E4357... 12500	2E4362... 75000	2E4367... 1-Meg	2E4353... 2500	2E4358... 15000
2E4353... 2500	2E4358... 15000	2E4363... 100000		2E4354... 5000	2E4359... 20000

Your Cost Each
Any Value Listed

15¢

Your Cost Per Dozen

\$1.70

3 WATT CAPACITY

Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
2E4370... 1000	2E4376... 7500	2E4380... 25000	2E4385... 250000	2E4371... 1500	2E4377... 10000
2E4371... 1500	2E4376... 10000	2E4381... 50000	2E4386... 500000	2E4372... 2000	2E4377... 12500
2E4372... 2000	2E4377... 12500	2E4382... 75000	2E4387... 1-Meg	2E4373... 2500	2E4378... 15000
2E4373... 2500	2E4378... 15000	2E4383... 100000		2E4374... 5000	2E4379... 20000

Your Cost Each
Any Value Listed

22¢

Your Cost Per Dozen

\$2.40

D48 1 WATT Resistor KIT

\$4.45 Net



Forty-eight of the most popular sizes of TRUATEST R.M.A. color coded Resistors in a substantial metal case size, 10 1/2 x 4 1/2 x 1/4 inches deep. Contains following assortment of units guaranteed 10% accurate:

- 1— 200 ohms 1— 15,000 ohms
- 2— 400 " 1— 20,000 "
- 2— 500 " 2— 25,000 "
- 1— 600 " 1— 30,000 "
- 1— 800 " 1— 40,000 "
- 2— 1,000 " 2— 50,000 "
- 1— 1,500 " 1— 60,000 "
- 2— 2,000 " 1— 75,000 "
- 1— 2,500 " 3— 100,000 "
- 2— 3,000 " 1— 125,000 "
- 1— 4,000 " 1— 250,000 "
- 2— 5,000 " 2— 500,000 "
- 1— 6,000 " 1— 750,000 "
- 1— 8,000 " 2— 1 megohm
- 2— 10,000 " 1— 1 1/2 megohm
- 1— 12,500 " 2— 2 megohm
- 1— 17,500 " 1— 3 megohm

HANDY RESISTANCE STRIPS With R.M.A. Color Coded Resistors

These strips are just the thing for shop or tool kit. They consist of a selection of 1-watt TRUATEST R.M.A. Color Coded Resistors neatly mounted on a durable strip, with hole at one end for hanging on a nail or hook. Value in ohms printed on strip under each resistor. By replacing them from our regular Truetest 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.

Two Strips Assorted as Follows:
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, 17500, 15000, 20000, 25000 ohms. **\$1.50**
2E4430—Your Cost Each

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 Megohms. **\$1.50**
2E4431—Your Cost Each

Free R.M.A. COLOR CODE CHART WITH EACH KIT

We furnish free with each purchase of three or more Truetest Resistors a serviceable chart by means of which you can instantly determine the resistance value of any RMA coded resistor regardless of make. Since practically all manufacturers use coded resistors this pocket-size chart is extremely convenient to the service man in determining the resistance value of defective resistors which he is called upon to replace.

Stock No. **2E4433—Shpg. Wt., 2 1/2 lbs. \$4.45**
Your Cost Each

TRUATEST R.M.A. 1/2 WATT RESISTORS

The very best quality pigtail type Carbon Resistors. Guaranteed accuracy 10%. R.M.A. color coded. Length approximately 3/4 inch.

Stock No.	Ohms	Stock No.	Ohms
2E4390... 200	2E4409... 15000	2E4410... 17500	2E4419... 25000
2E4391... 400	2E4410... 17500	2E4411... 20000	2E4420... 25000
2E4392... 500	2E4411... 20000	2E4412... 25000	2E4421... 30000
2E4393... 600	2E4412... 25000	2E4413... 30000	2E4422... 30000
2E4394... 700	2E4413... 30000	2E4414... 40000	2E4423... 30000
2E4395... 800	2E4414... 40000	2E4415... 50000	2E4424... 30000
2E4396... 1250	2E4415... 50000	2E4416... 60000	2E4425... 50000
2E4397... 1500	2E4416... 60000	2E4417... 70000	2E4426... 50000
2E4398... 2000	2E4417... 70000	2E4418... 75000	2E4427... 1-Meg
2E4399... 2500	2E4418... 75000	2E4419... 100000	
2E4400... 3000	2E4419... 100000	2E4420... 125000	
2E4401... 3500	2E4420... 125000	2E4421... 150000	
2E4402... 4000	2E4421... 150000	2E4422... 200000	
2E4403... 5000	2E4422... 200000	2E4423... 250000	
2E4404... 6000	2E4423... 250000	2E4424... 300000	
2E4405... 7500	2E4424... 300000	2E4425... 500000	
2E4406... 8000	2E4425... 500000	2E4426... 1-Meg	
2E4407... 10000	2E4426... 1-Meg		
2E4408... 12500			

Your Cost Each Any Resistance **09¢** Per Dozen **\$.95**



I.R.C.

Metallized
RESISTORS

**1 WATT
RESISTORS
18¢
NET**

**2 WATT
RESISTORS
24¢
NET**

With I.R.C. Metallized Resistors you obtain a guarantee of quality, a guarantee of uniformity possible only from makers of standard merchandise.



Metallized

**1/2 Watt, 1 Watt, 2 Watt
RESISTORS**

We stock I.R.C. Metallized type F-1/2 (1/2 Watt), Type F-1 (1 Watt) and Type F-2 (2 Watt) in the following 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.

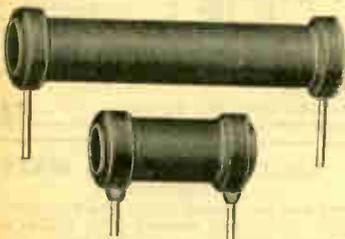
Ohms	Ohms	Ohms	Megohms
100	6000	50000	2
250	7000	75000	2 1/2
500	8000	100000	3
1000	9000	150000	3 1/2
1500	10000	200000	4
2000	12500	250000	5
2250	15000	300000	*6
2500	17500	400000	*7
3000	20000	Megohms	*8
3500	25000	1/2	*9
4000	30000	1	*10
5000	40000	1 1/2	

(*Available in 1-Watt type, only)

E5250 —Type MF-1/2 (1/2 Watt). Length 1 In. Pigtail Type. List, 30c.	18¢
E5251 —Type F-1 (1 Watt). Length 2 In. Pigtail type. List, 30c.	18¢
E5252 —Type F-2 (2 Watt). Length 2 In. Pigtail type. List, 40c.	24¢

I.R.C.

**Power Wire Wound
RESISTORS**



These new Power Wire Wound Resistors are rugged, permanent, accurate and possess an added advantage of Positive Contact. This is due to a ring moulded around the ceramic material through which the nichrome wire passes, embedding itself into the metal. Select the value wanted from the following list, sizes and prices of various types given in column to right.

Ohms	Ohms	Ohms	Ohms
1	200	3000	20000
5	300	5000	25000
10	500	7500	30000
25	1000	10000	40000
50	2000	12500	50000
100	2500	15000	

Precision wire wound type. Guaranteed accuracy 1%. Length 2 1/4 inches.

Stock No.	Ohms	M.A.	List	Cost
E5150	1	1000	\$1.50	\$1.03
E5151	2	707	1.50	1.03
E5152	3	577	1.50	1.03
E5153	4	500	1.50	1.03
E5154	5	448	1.50	1.03
E5155	6	407	1.50	1.03
E5156	7	377	1.50	1.03
E5157	8	353	1.50	1.03
E5158	9	333	1.50	1.03
E5159	10	316	1.25	.85
E5160	25	200	1.25	.85
E5161	50	100	1.25	.85
E5162	100	71	1.25	.85
E5163	150	81	1.25	.85
E5164	200	71	1.25	.85
E5165	500	44.6	1.25	.85
E5166	1000	31.6	1.25	.85
E5167	2500	20.0	1.25	.85
E5168	5000	14.1	1.25	.85
E5169	10000	10.0	1.50	1.03
E5170	12500	8.7	1.50	1.03
E5171	20000	7.05	1.50	1.03
E5172	25000	6.32	1.50	1.03
E5173	30000	5.75	1.50	1.03
E5174	35000	5.35	1.50	1.03
E5175	40000	5.00	1.50	1.03
E5176	50000	4.47	1.50	1.03
E5177	60000	4.08	1.50	1.03
E5178	75000	3.64	1.50	1.03
E5179	100000	3.16	2.00	1.37
E5180	125000	2.82	2.00	1.37
E5181	150000	2.58	2.25	1.32
E5182	175000	2.46	2.25	1.32
E5183	200000	2.23	2.50	1.71
E5184	225000	2.11	2.75	1.89
E5185	250000	2.00	2.75	1.89
E5186	300000	1.83	3.00	2.06
E5187	400000	1.58	3.50	2.40
E5188	500000	1.41	4.00	2.74

TYPE "PA"

3 WATT POWER WIRE WOUND (Max.)
3/8 in. long by 1/8 in. diameter. Tolerance 5%. Range up to 5000 ohms (see list). List, 50c.

E5196—Your Cost **29¢**

TYPE "PB"

5 WATT POWER WIRE WOUND (Max.)
1 1/4 in. long by 1/8 in. diameter. Tolerance 5%. Range up to 15000 ohms (see list). List, 50c.

E5197—Your Cost **29¢**

TYPE "PC"

10 WATT POWER WIRE WOUND (Max.)
2 in. long by 1/8 in. diameter. Tolerance 5%. Range up to 50000 ohms (see list). List, 65c.

E5198—Your Cost **38¢**

TYPE "PD"

15 WATT POWER WIRE WOUND (Max.)
3 in. long by 1/8 in. diameter. Tolerance 5%. Range up to 50000 ohms (see list). List, 70c.

E5199—Your Cost **41¢**

FREE

I.R.C. Resistor Replacement Guide

sent FREE with an order for 10 or more I.R.C. Metallized Resistors.

R.M.A. Color Code Chart FREE with each order for three or more I.R.C. Metallized Resistors.

**A NEW LINE
PRECISION**

We offer here a line of Precision Type Resistors made by Precision Resistor Co., and which we recommend unconditionally to our customers. They are wound with the very best grade of alloy wire, every spool of which is thoroughly checked for insulation breakdown, diameter and temperature co-efficient before entering production. To our knowledge they are the **ONLY RESISTORS MADE IN WHICH DOUBLE INSULATED WIRE IS USED.**

Guaranteed accuracy 1%



TYPE "A"

Normal Rating 1 Watt

Tolerance 1%. Maximum length 2 1/4 in. maximum diameter 3/8 inches. Fitted with Standard Universal Cap which permits use either for fuse clip or grid leak mounting. The screw ends make possible its use for temporary circuits also. Specify size when ordering.

Res. Ohms	Milli-amps.	Res. Ohms	Milli-amps.
1.....1000		7.....377	
2.....707		8.....353	
3.....577		9.....333	
4.....500		10.....316	
5.....448		25.....200	
6.....407			
6.....407			

E5200—Net **82¢**

50.....145	500.....45
100.....100	1000.....32
150.....81	2000.....23
200.....72	3000.....20
300.....58	3000.....18
400.....50	

E5201—Net **67¢**

4000.....16	8000.....11
5000.....14	10,000.....10
6000.....13	12,500.....9
	20,000.....7

E5202—Net **78¢**

25,000.....6.3	40,000.....5
30,000.....5.8	50,000.....4.5
35,000.....5.3	

E5203—Net **84¢**

60,000.....4.1	70,000.....3.8
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E5204—Net **98¢**

75,000.....3.6	100,000.....3.15
80,000.....3.5	125,000.....2.8
90,000.....3.2	150,000.....2.58

E5205—Net **\$1.15**

175,000.....2.46	225,000.....2.11
200,000.....2.23	250,000.....2

E5206—Net **\$1.40**

300,000.....1.83	500,000.....1.45
400,000.....1.58	

E5207—Net **\$1.65**

750,000.....1.28	
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E5208—Net **\$1.95**

1 Megohm.....1.00	
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E5209—List, \$3.45. Net **\$2.75**

**PRECISION
5 WATT RESISTORS**

**GUARANTEED
ACCURACY 2%**

Here is a five watt resistor designed to meet the demand for a reasonably priced and compact high resistance unit recommended for use in MIDGET, AEROPLANE, AUTOMOBILE and other receivers where space and price are limited. Terminals are of No. 18 tinned copper wire securely embedded in 3 coat Baked Insulating Enamel. We believe that these high grade resistors with their very narrow tolerance represents one of the most amazing values ever offered, the Radio Man. Maximum diameter 3/8 in., maximum length 1 1/2 in.

OF FINEST RESISTORS

TYPES "D" and "F"

The most NOISELESS, ACCURATE and DEPENDABLE unit on the market for the price. Especially recommended for Television Amplifiers, Voltmeters, Multipliers, Meter Shunts, Photo Cell Circuits, Sound Head Amplifiers, Taper "T" and "H" Pads, Attenuators, Decade Boxes and Bridge Assembly. **GUARANTEED ACCURACY, 1%.** Have hole to clear 6/32 screw.



Res. Ohms	Max. Current in M.A. Type "D"	Type "F"
50	100	145
100	071	100
200	050	072
300	041	058
400	032	045
500	029	041
600	027	038
700	025	035
800	024	032
900	022	032
1000	0158	023
2000	013	0184
3000	0113	016
4000	01	0145
5000	0092	013
6000	0085	012
7000	008	0113
8000	0075	011
9000	0071	01
10000	005	0072
20000	0041	0058
30000	0035	005
40000	0032	0045
50000	0029	0041
60000	0027	0038
70000	0025	0035
80000	0024	0032
90000	0022	0032
100000	0018	0026
150000	00145	
250000	001	
500000		

TYPE "D" 1/2-WATT

Maximum length 3/4-inch. Maximum diameter 3/8-inch. Length of leads, 3 inches. Leads No. 18 tinned copper wire.

Stock No.	Res. Ohms	Your Cost
E5220	50 to 1000	\$.43
E5221	1001 to 4000	.48
E5222	4001 to 7000	.52
E5223	7001 to 10000	.56
E5224	10001 to 40000	.60
E5225	40001 to 70000	.67
E5226	70001 to 100000	.74
E5227	100001 to 150000	.88
E5228	150001 to 250000	1.00
E5229	250001 to 500000	1.10

TYPE "F" 1 WATT

Maximum length 3/4-inch. Maximum diameter 3/8-inch. Furnished with No. 18 tinned copper leads, 3 inches long.

Stock No.	Res. Ohms	Your Cost
E5235	1 to 50	\$.64
E5236	51 to 1000	.48
E5237	1001 to 4000	.55
E5238	4001 to 8000	.64
E5239	8001 to 30000	.72
E5240	30001 to 70000	.85
E5241	70001 to 150000	1.10



Ohms	Ohms	Ohms	Ohms
25	350	1100	2400
50	400	1200	2500
75	500	1250	2750
100	650	1500	3000
150	700	1750	3250
200	750	1850	3500
250	800	2000	3750
300	1000	2250	4000

E5248—
Your Cost Each..... **24¢**

4001	6000	8000	15000
4500	7000	10000	18500
5000	7500	12500	20000

E5249—List, 35¢.
Your Cost Each..... **28¢**

Centralab

CENTRAL RADIO LABORATORIES

RESISTORS

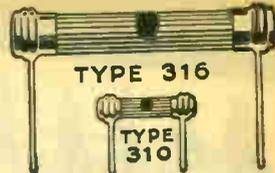
CENTRALAB RESISTORS CANNOT FAIL UNDER ANY LOAD THAT DOES NOT MELT THE WIRE LEADS FROM THE ENDS! They are much more durable than any ordinary resistor of similar size. They look like stone, and are as permanent. No other resistor is made like them. Carefully calibrated resistance material is forced under tons of pressure through double dies in conjunction with a paste-like ceramic. This is baked for hours, and then fired at over 2,500 degrees F. After such a baptism of fire, no ordinary service or overload temperatures can damage the resistor. No moisture can possibly penetrate, so age can not change the resistance value. Due to their particular method of construction they are guaranteed the MOST NOISELESS RESISTOR MADE! R.M.A. Color Coded. Wire leads 1 1/2 Ins. long.

FREE R.M.A. Standard Resistor Color Code with Every 10 Resistors

We Stock Centralab Resistors in the Following Ohmages

Ohms	Ohms	Ohms	Ohms	Megohms
200	3,500	15,000	100,000	1
300	4,000	17,000	150,000	1.5
500	5,000	20,000	200,000	2
1,000	6,000	25,000	250,000	2.5
1,500	8,000	30,000	300,000	3
2,000	9,000	40,000	400,000	4
2,500	10,000	50,000	500,000	5
3,000	12,000	75,000		

1 1/2 WATT Type 316. Size 1/4x1 3/4 in. Any resistance listed. **E5275—List 30¢**
1/2 WATT Type 314. Size 1/4x1 inch. Any resistance listed. **E5276—List 30¢**
Your Cost Each **15¢** Your Cost **15¢**
In ordering specify both stock No. and resistance.



15¢



CENTRALAB Service Resistor Assortment

A convenient package of ten type 316 (1 1/2 watt) resistors with one each of the following values: 500,000, 200,000, 100,000, 50,000, 25,000, 10,000, 5,000, 2,000, 1,000, 500 ohms. Many additional values can be obtained by connecting two of these in series or parallel. Quick reference wall chart FREE with each assortment. Shpg. Wt., 3 lbs. **E5277—List \$3.00**
Your Cost **\$1.50**

CENTRALAB AUTO RADIO SUPPRESSORS



CENTRALAB SUPPRESSORS ARE FROM 50% to 500% MORE EFFECTIVE THAN OTHER TYPES IN ELIMINATING MOTOR SPARK NOISE FROM THE RADIO. They resort to no camouflaging, but provide full inch and one-half resistance. The resistance material and the ceramic jacket are baked together as one solid rod with the granite-like ceramic fully enclosing and protecting the resistance. The "Baptism of fire" at 2,700 degrees insures great electrical and mechanical strength, so there is no need to hide a miniature resistance in an eye appealing shell. The CENTRALAB is a 100% suppressor—as the cross-section shows. Note the solid black line in the center extending all the way through. This is resistance material.

Spark Plug Suppressor **E5278—List 40¢**
Your Cost **24¢**
Distributor Suppressor **E5279—List 40¢**
Your Cost **24¢**
Set of 4 Plug and 1 Distributor Suppressors. List \$2.00 **\$1.10**
E5280—Your Cost
Set of 6 Plug and 1 Distributor Suppressors. List \$2.75 **\$1.50**
E5281—Your Cost
Set of 8 Plug and 1 Distributor Suppressors. List \$3.50 **\$1.75**
E5282—Your Cost
P16650—Condenser for use with above Kits.
Your Cost **45¢**

I.R.C. Metallized RESISTOR KITS

These Kits contain assortments of Resistors that will permit you to meet practically every service requirement. Various resistance values, in addition to those represented by the resistors, can be obtained by connecting two or more of them in series or parallel.

CERTIFIED KIT No. 1

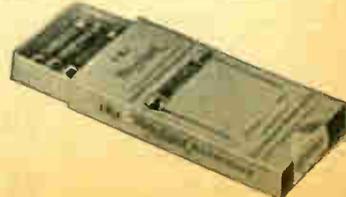
The original I.R.C. Kit that proved so popular with Service Men. Contains 20 1 watt Metallized Units ranging from 500 ohms to 3 megohms. The certified seal insures factory guarantee and factory-tested units. **E5272—List \$6.00**
Your Cost **\$3.50**

CERTIFIED KIT No. 2

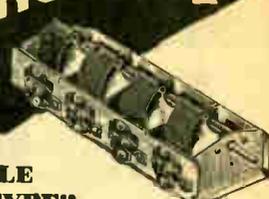
Contains an assortment of twenty type F-2 Two Watt Resistors. Made for Service Men requiring units of higher wattage. Values range from 500 ohms to 1/2 megohm. Factory sealed, factory tested and factory guaranteed. **E5273—List \$8.00**
Your Cost **\$4.65**

New Handy Grid-Bias Kit

Contains 10 assorted Resistors of F-1 and F-2 and Power Wire Wound (5-Watt) types required to bias the following tubes: '24, '26, '27, '71A, '10, '45, '50, '47. The kit also contains resistance values that can be used as grid suppressors. Complete information on the proper biasing of radio tubes, together with wiring diagrams, given with each kit. **E5274—List \$3.70**
Your Cost **\$2.15**



HERE'S A BARGAIN 75¢!



SCOVILLE "LOW TYPE" 4-GANG CONDENSER

An exceptional Condenser at a ridiculously low price. The construction is extra heavy with solid brass plates, securely soldered to sturdy brass spacer bars. Frame is cadmium plated to prevent rusting. Steel shaft 3/8-inch in diameter; heavy steel collars. Self adjusting bearings that provide smooth, easy rotation. Capacity .00035 mfd. Clockwise rotation. Flat mountings. Size, 3 1/2 inches wide, 3 3/4 inches high (fully opened) and 10 inches long. Shpg. Wt., 6 Lbs.

H9906—List Price, \$5.00
Your Special Price..... **75¢**

"Precision" Condensers For Superhets and T.R.F.

These new type Tuning Condensers contribute a marked improvement to the performance of the Superheterodyne by eliminating the necessity for a so-called "padder" circuit. Units consist of one or more preselector condensers sections mounted on the same shaft with a tracking condenser for the oscillator. This arrangement does away with the extra fixed or semi-variable condensers and resistors necessary to a padder circuit. Precision Condensers are heavy in construction. Have mountings for trimmers on either side so that direction of rotation may be either clockwise or counter-clockwise. Aluminum Plates slotted, in low minimum. Manufacturers type.

Stock No.	Gangs	Capacity	Shaft	Size Inches	Shpg. Wt.	List	Your Cost
H9700	2	.00035	3/8 in.	4 1/2 x 3 1/2 x 2 1/2	2 1/2 lbs.	\$6.00	\$1.45
H9701	3	.00035	3/8 in.	4 1/2 x 3 1/2 x 4 1/4	3 lbs.	8.25	2.06
H9702	4	.00035	3/8 in.	4 1/2 x 3 1/2 x 5 1/2	5 lbs.	11.00	2.76

PRECISION Condensers for T.R.F. Circuits

Same construction as above Condensers except that all sections are identical in capacity curve; the correct type for T.R.F. sets. Manufacturers type.

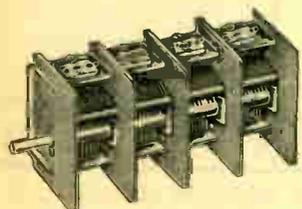
Stock No.	Gangs	Capacity	Shaft	Size Inches	Shpg. Wt.	List	Your Cost
H9703	2	.00035	3/8 in.	4 1/2 x 3 1/2 x 2 1/2	2 1/2 lbs.	\$6.00	\$1.45
H9704	3	.00035	3/8 in.	4 1/2 x 3 1/2 x 4 1/4	3 lbs.	8.25	2.03
H9705	4	.00035	3/8 in.	4 1/2 x 3 1/2 x 5 1/2	5 lbs.	11.00	2.76

TRUTEST VARIABLE CONDENSERS

These Tuning Condensers are very popular with Experimenters, Custom Set Builders and Servicemen because of the exceedingly low minimum they attain—.000004 with trimmer; all other condensers possess. The maximum capacity of .00036 mfd. is also a desirable feature. Fully shielded between sections. Rigid construction. Positive electrical contacts. Trimmers are rigid and retain their settings after adjustments. Plates are of heavy aluminum. Bakelite insulation. Mounting holes, spaced 2 3/8-inch, 8/32 thread.



Stock No.	Gangs	Capacity	Shaft	Size Inches	Shpg. Wt.	List	Your Cost
H9900	2	.00035	3/8 in.	2 1/4 x 4 x 3	3 lbs.	\$3.75	\$0.98
H9901	3	.00035	3/8 in.	2 1/4 x 4 x 4	4 lbs.	3.50	1.35
H9905	4	.00035	3/8 in.	2 1/4 x 4 x 5 1/2	5 lbs.	5.00	2.10



Scoville Giant Condenser

A big, sturdy unit, fully shielded between sections. Heavy steel construction, cadmium plated to prevent rust. Has holes for either upright or flat mounting. Clockwise rotation. Improved equalizers. Heavy brass plates soldered to heavy cross brace which holds them rigidly in place. Self-aligning bearing smooth in action. Shaft 3/8-inch in diameter. Size, 3 3/4 x 4 3/4 x 8 3/4 inches long. Capacity .00035. One of the most amazing Condensers bargains we have ever offered. Shpg. Wt., 6 Lbs.

H9908—List Price, \$10.00.
Your Special Price..... **\$1.75**

Genuine "G-I" 3 Gang Condenser

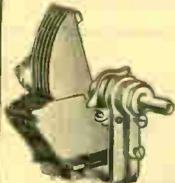


Made by the Manufacturer who furnishes most of the Radio Set Makers with Condensers.

Construction is of cadmium plated, heavy steel with shielding between each section. The 3/8-inch shaft is ball-bearing and smooth in action. Plates are of heavy aluminum, slotted. A special spring between sections maintains the alignment. Flat mounting with three threaded holes in bottom. Capacity .00035 mfd. Size, fully opened, 3 3/4 x 3 3/4 x 6 3/4 inches long. Shpg. Wt., 3 Lbs.

H9907—List Price Each, \$3.75
Your Cost Each..... **\$1.10**

HAMMARLUND "MIDLINE" CONDENSERS

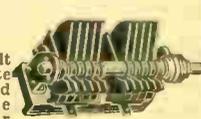


The improved "Midline" condenser utilizes the newly perfected "Parmica" low loss insulation. Special shaped brass plates, full floating rotor, removable shaft, balland cone bearing, bronze pig-tail, rib-reinforced aluminum alloy frame.

Made in two capacities. Shaft, 1/4 inch. Two mounting holes in bottom. Shpg. Wt., 1 Lb.

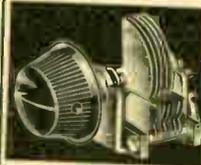
Stock No.	Maximum Capacity	Code	List	Your Cost
H8500	.00025	ML-11	\$5.00	\$2.94
H8501	.00035	ML-17	5.25	3.09
H8502	.0005	ML-23	5.50	3.21

Hammarlund Dual Midget Condenser



Entire condenser built on strong Isolantite base, including shield plate between the stators. Made for single hole panel mounting. Length, 3 3/4 inches behind panel. Their rigidity, low losses and careful construction provide for greatest electrical and mechanical efficiency in all types of short wave receivers. Made in two capacities. Shpg. Wt., 3 Lbs.

H8519—140 mmf. per section	\$2.82
List, \$4.80. Your Cost.....	
H8520—100 mmf. per section	\$2.59
List, \$4.40. Your Cost.....	



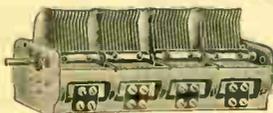
Hammarlund Midget Condensers

Soldered non-corrosive plates, sturdy frame, accurately fitted bearings. Positive and permanent capacities at all settings. New Parmica insulation. Four point bronze wiping contacts, eliminates pigtail. Vibration-proof construction. Ideal for short wave work.

Stock No.	Plates	Mmf.	Cap. Mmf.	List	Net
3H8503*	3	3	20	\$1.50	\$0.88
3H8504*	5	4	35	1.50	.88
3H8505*	7	5	50	1.80	1.06
3H8506*	11	6	80	2.00	1.18
3H8507*	11	6	80	2.00	1.18
3H8508*	14	6	100	2.30	1.35
3H8509	14	6	100	2.30	1.35
3H8510	19	7	140	2.50	1.47
3H8511	27	10	200	2.80	1.64
3H8512	34	10	260	3.00	1.77
3H8513	43	12	320	3.50	2.06

* SEMI CIRCULAR plates; others MIDLINE plates

Edison 2 and 4 Gang



These are exceptionally fine condensers for the money. Should you buy them in the regular way of trade you'd pay a great deal more. Cadmium plated steel frames. Aluminum plates. Heavy collars. Improved trimmers. TWO GANG: Size, 4 1/2 x 2 1/4 x 5 inches. Shaft, 7/8-inch. Shpg. Wt., 2 1/2 Lbs. Capacity, .00035.

H9910—Your Cost Each..... **70¢**

FOUR GANG—Size, 2 1/4 x 3 1/2 x 8 1/2 inches. Shaft, 1/2-inch. Capacity, .00035. Shpg. Wt., 4 Lbs.

H9911—Your Cost Each..... **75¢**

Super Wasp



Super Wasp Coils

Designed especially for the Super-Wasp, and will work satisfactorily in other receivers only if their circuits and contacts match those of Super-Wasp. Ant. Coils have single winding. Detector coils have grid and tickler winding. Set of 5 R.F. and 5 Ant. Coils cover range of 14 to 500 meters. Colored handles.

4H10226—Set of 5 R.F.
4H10227—Set of 5 Ant.
Your Cost, \$1.17
Per Set of 5.....

National Plug-in Inductances

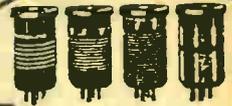
For SHORT WAVE—TELEVISION
—BROADCAST and LONG WAVE
—RECEPTION



These coils are moulded of the new low-loss coil material, expressly designed for short-wave and television reception. These coils are for use in all National "Thrill Boxes" and Lafayette "Wide World" Receivers. The Special Amateur Band Spreading coils are designed so as to permit 50 dial division spreading on the Amateur and Television meter bands. The U.K. U.Y. and Special SIX prong forms are available. (Priced per pair.)

Stock No.	Coil No.	Meter Range	Net Per Pr.	Special Amateur and Television Coils	Net per Pr.
2N14400	10	9-15	\$3.23	2N14412 11-A	20 3.81
2N14401	11	14-25	2.94	2N14413 13-A	40 3.81
2N14402	12	23-41	2.94	2N14414 14-A	80 3.81
2N14403	13	40-70	2.94	2N14416 15-T	160 3.81
2N14404	14	65-115	3.23	2N14417 4 Prong	FORMS.
2N14405	15	115-200	3.23	2N14418 5 Prong	58¢
2N14406	16	200-360	3.23	2N14420 6 Prong	44¢
2N14407	17	350-550	3.82	Your Cost, Each	
2N14408	18	500-850	4.70	2N14421 6 Prong Socket	
2N14409	19	850-1200	4.70	Your Cost	
2N14410	20	1200-1500	4.70		
2N14411	21	1500-2000	4.70		

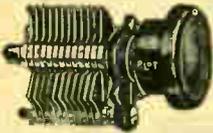
OCTO



SHORT WAVE OCTOCOILS

Octocoils are unquestionably the finest short wave coils ever designed. They are moulded in genuine bakelite. Will plug into the ordinary tube socket. Has a rugged rim to grasp coils so they will not break. Size, 3 3/8 inches high by 1 7/8 inches diameter. Complete set of four coils to cover wave length range from 18 to 200 meters. Tunes with .0015 mfd. variable condenser.

2H10053—List, \$5.00
Your Cost, \$2.95
Per set.....
Broadcast Coll, Range 200 to 520 meters.
2H10052—79¢
Your Cost.....

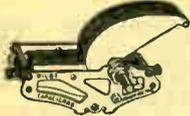


PILOT MIDGET CONDENSERS

Designed for easy mounting, has a Bakelite frame and rigid brass plates. Types for neutralizing R.F. amplifiers, antenna coupling, tuning verniers, regeneration control, and short wave tuning circuits. The depth behind panel ranges from 1 inch to 1 3/4 inches depending upon the capacity, with a 1/4 inch shaft.

2H10204—.00015 mfd. 49¢
Your Cost.....
2H10205—.00025 mfd. 49¢
Your Cost.....
2H10206—.00050 mfd. 54¢
Your Cost.....
2H10207—.00100 mfd. 59¢
Your Cost.....

CENTRALINE Variable Condensers



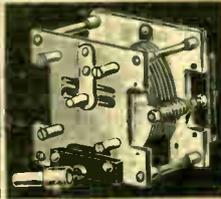
Centraline series is for modified straight line frequency. They are recommended for Short Wave receivers as it has extra spacing between the plates. Supplied with mounting feet and removable shafts. Because of their reversible feature, they can be mounted on either clockwise or counter clockwise dials. They mount in a single hole and can be secured against turning by additional panel screws. Two or more can be ganged together by means of a long 1/4 inch shaft, or by a coupling. Shpg. Wt., 2 Lbs.

2H10216—.00016 mfd. \$1.04
Your Cost.....
2H10217—.00025 mfd. \$1.04
Your Cost.....
2H10218—.00035 mfd. \$1.09
Your Cost.....
2H10219—.00050 mfd. \$1.24
Your Cost.....

NATIONAL EQUIMETER CONDENSERS

A very superior line of single section Variable Condensers of from 50 to 1000 MMF capacity. Heavy aluminum construction throughout with isolantite insulation. Mounts to front panel by four studs and screws which are furnished. An extension

collar with 1/4 inch shaft also furnished. Girder frame construction permits ganging when desired. Especially suited to National "Type A" Vernier Dial. Overall size 3x3 1/4 inches. Shpg. Wt., 3 Lbs.



(STRAIGHT WAVE LINE TYPE)

Stock No.	Capacity MMF.	List	Your Cost
2N14325	50	\$2.50	\$1.47
2N14326	100	2.50	1.47
2N14327	150	3.00	1.77
2N14328	200	3.50	2.08
2N14329	250	3.50	2.08
2N14330	350	3.75	2.21
2N14331	500	4.00	2.35
2N14332	1000	5.50	3.23

NATIONAL EQUICYCLE CONDENSERS

For short wave work. Straight line frequency type. 270 degree rotation. Strong girder frame. Double plate spacing in smaller sizes. Non-inductive pigtail. Positive silent operation. No dial included. Shpg. Wt., 3 Lbs.

Stock No.	Capacity Mmf	Plates	Your Cost
4N14333	15	3	\$2.35
4N14334	50	9	2.50
4N14335	75	11	2.50
4N14336	100	15	2.65
4N14337	125	19	2.65
4N14338	150	9	2.35
4N14339	250	17	2.65
4N14340	350	23	2.80
4N14341	500	31	2.94



NATIONAL SE-TYPE CONDENSERS

Designed especially for short wave work. 270 degree rotation. Insulated front bearing. Constant impedance pigtail. Single hole panel mounting. May also be mounted on base-board. Shaft diameter 1/4 inch. Size, 1 1/2 x 1 3/4 x 2 inches. 270 degree units have equicycle plates and 180 degree units have equitune plates. Shpg. Wt., 2 Lbs.



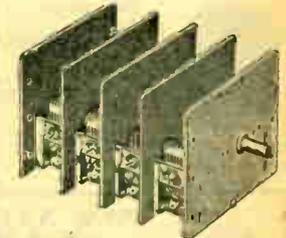
Stock No.	Capacity Mmf.	Degrees	Your Cost
4N14343	50	270	\$2.06
4N14342	100	270	2.21
4N14346	150	270	2.35
4N14345	50	180	2.06
4N14344	100	180	2.21
4N14349	150	180	2.35

DeJur-Amsco Varitors

Semi-Variable Condensers of the highest order. Single and Duplex Types. Used for coupling, neutralizing, trimming, tuning, RF bypass, grid stopping, plate blocking, etc. Shpg. Wt., 8 oz.



2H9706—Single Varitor. List Price, 50¢
2H9707—Double Varitor. List Price, 80¢
Your Cost Each..... 29¢
Your Cost Each..... 40¢



Pilot Condensers

These condensers, of 00032 mfd. max per section, are made with one, two, three, and four sections. The shields measure 4 1/2 x 3 3/4 inches. The four types are 1 1/2, 3, 4 1/2 and 6 inches in length, respectively, with a 1/4 inch shaft. Rugged construction of the Freclison Type condensers makes them particularly suited for calibrated circuits, test oscillators, and laboratory set-ups. Shpg. Wt., 3 Lbs.

2H10200—1 Section \$1.03
Your Cost.....
2H10201—2 Sections \$1.96
Your Cost.....
2H10202—3 Sections \$2.94
Your Cost.....
2H10203—4 Sections \$3.92
Your Cost.....



NATIONAL S-E TWO GANG Receiving Condenser

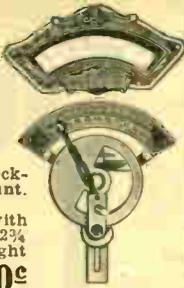
An improved short wave receiving condenser in which both rotors are fully insulated from each other and from the frame. Complete isolation of all circuits is thus made possible. Tuned impedance coupled amplification possible without necessity of using shunt feed with RF chokes and coupling condensers, or a blocking condenser in tuned circuit. B plus connects direct to rotor. Size, 2 1/2 x 2 1/2 x 5 inches. Shpg. Wt., 3 Lbs.

4N14323—550 mmf. \$3.23
List, \$5.50. Your Cost.....
4N14324—100 mmf. \$3.82
List, \$6.50. Your Cost.....

TRUATEST DIALS

Full Vision Dial for Long & Short Wave Work

High ratio dial for short wave receivers. 5 1/2 inches high, 3 3/4 inches wide. For 3/8 inch shaft. Knob shaft 1/4 x 1 1/2 inches. Celluloid scale 0-100 clockwise. Easy to mount. Shpg. Wt., 1 Lb.
2H9815—Complete with Escutcheon plate 5 3/4 x 2 3/4 inches, and pilot light socket. **90¢**



2H9816—As above except with normal ratio for general broadcast work. Double friction drive. **75¢**

NEW IMPROVED DRUM DIAL



One of the best on the market. Extra heavy die cast white metal construction. Illuminated. Black celluloid scale 0-100 counter-clockwise rotation. Size 5 1/2 inches high, 3 3/4 inches deep. 1 3/8 inches wide. Knob shaft 1/4 x 1 1/2 inches. Escutcheon size 3 3/4 x 4 inches. Shpg. Wt. 2 Lbs.
2H9809—Dial only for 1/4 inch shaft. **70¢**



2H9810—Dial only for 3/8 inch shaft. **70¢**

2H9811—Escutcheon extra. **17¢**

2H9812—Insulated Pilot Light Socket extra. Each **08¢**

NEW NATIONAL NW-6 DIAL



An improved precision dial. Designed for laboratory and other apparatus where it is necessary to calibrate readings to 1/10 of a dial scale division. Solid German silver construction engraved with black figures.

5:1 ratio. For 1/4 inch shaft. Diameter 6 inches. Shpg. Wt. 1 1/2 lbs.

Stock No.	Readings	List	Net
2H14360	100 to 0, 180°	\$15.00	\$8.82
2H14361	150 to 0, 270°	15.00	8.82
2H14362	200 to 0, 360°	15.00	8.82

NATIONAL DIALS Types G and H

Scale is projected onto a ground glass screen on the dial opening by a brilliant illuminator. Figures greatly enlarged and easy to read from any angle. Rainbow types change color as dial is rotated. Beautiful burnished silver escutcheons. Shpg. Wt., 3 Lbs.



Type G Disc Dial

For use when tuning condenser is at right angles to the front panel. Monocolor, standard green.
2H14353—Counter clockwise. 0-100 180°. List Price \$3.75. Your Cost **\$2.20**
2H14354—Clockwise. 150-0, 270°. List \$3.75. Your Cost **\$2.20**

Type H Drum Dial

Employs the patented Drum Dial mechanism with its powerful non-conducting drive and spring take-up. Monocolor type.
2H14355—Monocolor. Counter clockwise. List \$5.00. Your Cost **\$2.94**
2H14356—Monocolor Clockwise 100-0. List \$5.00. Your Cost **\$2.94**
2H14357—Rainbow. Counter clockwise 0-100. List \$5.50. Your Cost **\$3.24**
2H14358—Rainbow. Clockwise 100-0. List \$5.50. Your Cost **\$3.24**
2H14359—Monocolor 270 degree Clockwise 150-0. List \$5.00. Your Cost **\$2.94**

TRUATEST DUAL RATIO Wedge Drive Fan Dial

For Short Wave Sets or Converters, or Combination Broadcast and Short Wave Receivers.

Excellent for Super-Heterodynes or any fine tuning. Easily mounted and attached. Very smooth and powerful. From Fast to Slow Speed at a touch of the lever. Ratio in 180 degrees movement of condenser, Fast Speed 6 to 1. Slow Speed 30 to 1. 4 1/4 inch scale angled back at 30 degrees. Escutcheon 2 3/4 inches high, 2 1/4 inches wide. Complete with pilot socket, escutcheon, reducing bushing (for either 1/4 or 3/8 inch shafts), screws, knob, etc. Shpg. Wt., 2 Lbs. **\$245**
4H9818—Your Cost



SPOT LIGHT FULL-VISION MIDGET DIAL



Just the dial for that New Set. Spot Tuning, Full Vision, beautifully finished escutcheon. Angle Amber Celluloid Scale, reading 0-100. Wedge drive, no backlash or slipping. For 3/8 inch condenser shaft. Escutcheon finished in antique bronze. Size 3 3/4 ins. high, 3 ins. wide. Price includes dial, escutcheon, pilot socket. (No bulb.) Shpg. Wt., 2 Lbs. **4H9819**—No. 62-B **59¢**

TRUATEST DIRECT DRIVE FULL-VISION DIAL



Replaces that old fashioned dial on your set, also a lower priced dial for new sets. Pointer attaches to condenser shaft. If panel is cut out for escutcheon, simply attach pilot socket and bulb and your set is brought up to date. Size of escutcheon.

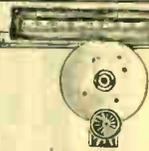
2 3/4 inches high, 3 inches wide; finished in bronze. Pointer and Escutcheon. (No socket or bulb supplied.) Shpg. Wt., 1/2 Lb. **4H9878**—Your Cost **25¢**

Canopy For Radiola Sets



The original canopy for pilot lamp used in RCA Models 18, 33, 51.
 Per Dozen **\$2.00**
4H9879—Your Cost, Each **20¢**

New National Full Vision Dial



This new Dial fills a definite need for a dial having none of the failures usually so noticeable in a unit.

of this type. Scale is full 7 inches in length, insuring accuracy in reading. Pointer moves evenly across the scale and remains vertical at all positions. Smooth and positive drive. Escutcheon can be supplied either silver or antique bronze. State preference. Shpg. Wt., 3 Lbs.

Stock No.	Scale Reading	Your Cost
3N14377	100-0 180° Clockwise	\$2.35
3N14378	0-100 180° Counter Clockwise	
3N14379	0-100 270° Counter Clockwise	

 List price \$4.00. **\$2.35**
 Your Cost Each

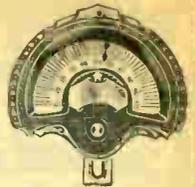
NATIONAL Precision Vernier Dial Type N

For use in amateur and other radio equipment requiring the utmost precision in logging. Reading of one-tenth of a division is possible. Dial attaches to face of panel at three points, making accurate mounting very easy. Shpg. Wt., 3 Lbs.

Stock No.	Ing	De-grees	List	Your Cost
2H14363	0-100	180	\$6.50	
2H14364	100-0	180	6.50	\$3.82
2H14365	150-0	270	6.50	
2H14366	200-0	360	6.50	

Spot Light Full Vision Dial

The latest idea in dials. Spot light travels with pointer, making dial settings easier to read. For 3/8 inch shaft. Size 4 1/2 inches wide, 3 3/4 inches high. Amber celluloid scale, 0-100 counter clockwise. Price includes pilot light socket. Shpg. Wt., 1 Lb.
2H9808—Dial and Escutcheon, less bulb. Your Cost Each **67¢**

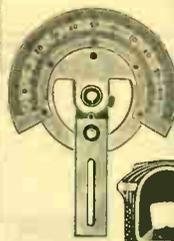


MIDGET DIAL



Especially suitable for very small sets. Scale is 3 inches wide; escutcheon 2 1/4 x 2 1/4 inches high. Amber celluloid scale 0-100. For 3/8 inch condenser shaft; knob shaft 1/4 inch. Has pilot light socket but no bulb. Shpg. Wt., 1 Lb.
2H9807—Complete with Escutcheon. **64¢**

FAN TYPE DIAL



Outside diameter dial 4 inches. For 3/8-inch shaft. Knob shaft 1/4 x 3/8 inch long. Celluloid scale. 0-100 counter-clockwise. Has pilot light socket. Escutcheon plate 2 3/4 inches high, 2 3/4 inches wide. Shpg. Wt., 1 1/2 Lbs.
2H9813—Dial only. **49¢**
 Each **49¢**
2H9814—Escutcheon Plate. Extra. Each **12¢**

NATIONAL Type "B" & "C" 4 in. Dials

Easily and quickly attached without special tools, fitted with beautiful Bakelite cover, equipped with variable ratio of 6-1 to 20-1. Type "B" is without light and Type "C" includes illuminator and bracket.



TYPE "B"
 Shpg. Wt., 3 Lbs.
2H14367—Clockwise (200-0) 360°. List \$2.50. Your Cost **\$1.47**
2H14368—Dual range (0-100-0) 180°. List \$2.50. Your Cost **\$1.47**
TYPE "C"
2H14369—Clockwise (200-0) 360°. List \$3.00. Your Cost **\$1.75**
2H14370—Dual range (0-100-0) 180°. List \$3.00. Your Cost **\$1.76**
TYPE BM-3 INCH DIAL
 Similar in appearance and design to the Type B Dial except that diameter is 3 in. and it does not incorporate variable ratio feature. Not illuminated.
2H14371—Dual Range (0-100-0). List \$2.00. Your Cost **\$1.18**
2H14372—Clockwise (200-0). List \$2.00. Your Cost **\$1.18**

KURTZ-KASCH Bakelite Dials

Made of molded Bakelite. Requires only one hole for condenser shaft and two small holes to secure dial to panel for mounting. Ratio 100 to 1. Allows very fine tuning. Unexcelled for work. No gears to strip and no short wave work. No gears to strip and no back-lash are its distinctive features. Fits 1/4 inch shaft. Shpg. Wt., 1 Lb.

Stock No.	Range	Size	Your Cost Ea.
2H9803	200-0	4 in.	\$.59
2H9804	0-200	4 in.	.59
2H9805	100-0-100	4 1/2 in.	.59
2H9806	0-100-0	2 3/4 in.	.49



GEN-RAL COILS for 224, 235, 56, 58; 55 and Wunderlich Tubes



CONOID COILS

Conoid R. F. Coils are fully shielded and self-supporting in a copper container. Suitable for Portable, Midget and Automobile receivers. Removable bases on shields for ease of mounting.

either panel or sub-panel. Operates with .00035 mfd. condenser. Soldering Lugs marked with their respective connections. Shpg. Wt., 8 oz. Size, 2 1/2 inches diameter. 1 1/2 inches high.

- 4H10083—Antenna Coil
 - 4H10084—R. F. Coil
- Your Cost, either type..... **45¢**

Matched Set of THREE

- 1-Antenna Coil, 2-R. F. Coils. **\$1.10**
- 4H10085—Your Cost, per set.....

Matched Set of FOUR

- 1-Antenna Coil, 3-R. F. Coils. **\$1.50**
- 4H10086—Your Cost, per set.....

The new Wunderlich and Type 55 tubes require centertapped inductances for both TRF and Super-Het circuits. The coils specified for "Other Screen-Grid Tubes" are suitable for '24s, '35s, '56s and '58s. DIAGRAM showing circuits and connections for various coils, 25c.

SHIELDED R. F. COILS

Very small and yet very efficient. Only 1 1/2 ins. diameter and 2 1/4 ins. high. Litz wire bank wound secondary. Very high gain (62.5 at 1500 K-C). Tunes 1700 to 550 K-C with .00035 condenser of correct minimum. Covers Police Signals. Shpg. Wt., 8 oz.



- | | |
|--------------------------------|----------------------------|
| FOR WUNDERLICH or '55s. | FOR OTHER S-G TUBES |
| R. F. COIL | R. F. COIL |
| 4H10110— 58¢ | 4H10090— 48¢ |
| Each..... | Each..... |
| ANTENNA COIL | |
| 4H10089— 48¢ | |
| Each..... | |

TRUATEST Shielded R. F. COILS

Very sensitive. For use with all types S-G tubes and .00035 condenser. Antenna Coil: primary 14 turns No. 28 D.S.C., secondary 130 turns No. 30 enam. R.F. Coil: primary 61 turns No. 31 enam., secondary 130 turns No. 30 enam. Coil 1/2 x 2 ins. high shield 2 1/4 x 2 1/4 ins. high. Sets of three have one Antenna Coil and two R.F. Coils; sets of four have one Antenna Coil and three R.F. Coils. Shpg. Wt., 8 oz.



- | | |
|---------------------------------|---------------------------------|
| FOR WUNDERLICH or '55s. | FOR OTHER S-G TUBES |
| 4H10111—Set of 3. \$1.15 | 4H10087—Set of 3. 85¢ |
| Your Cost..... | Your Cost..... |
| 4H10112—Set of 4. \$1.40 | 4H10088—Set of 4. \$1.10 |
| Your Cost..... | Your Cost..... |

HIGH-GAIN R. F. COILS

For T.R.F. circuits. Precision made from finest materials. Enamel wire wound on form 1/2 x 2 3/4 inches long. Tunes with .00035 condenser.

ANTENNA COIL

Lattice wound primary on collar which slips over secondary. Properly peaked to prevent detuning antenna stage by variation of antenna length. Bakelite form 7/8 x 2 3/4 ins. long. Set of 3 consists of one Antenna Coil and two R.F. coils. Shpg. Wt., 8 oz. 4H10113—Set of 3 for Wunderlich or '55s. **95¢** Net. 4H10054—Set of 3 for other S-G tubes. **75¢** Your Cost.....

Litz Wound Antenna Coil

Lattice wound primary on collar which slips over secondary. Properly peaked to prevent detuning antenna stage by variation of antenna length. Ring energy at high oscillates phase. Size, 1/2 x 2 3/4 ins. as antenna Super-Het circuit. Shpg. Wt., 8 oz. 4H10078—Your Cost..... **95¢**

2-STAGE

Wound with Litz wire, finds application as a long wave loading coil when used in series with broadcast coils to extend the band to include the long wave lengths or can be used with a tightly coupled primary as an R. F. transformer for the lower frequencies. 4H10092—Your Cost, Each..... **40¢**

Your Cost..... **55¢**

TRUATEST SUPER-HET KIT INTERSTAGE COIL

Litz Wire Antenna Coil Litz-wire wound in lattice fashion, affording a highly efficient unit. For use with .00035 mfd. condenser. Ideal for Midget Super-Het. sets. Size, 2 3/4 inches long, 1/2 in. in diameter. Shpg. Wt., 8 oz. 4H10080—Your Cost, Each..... **50¢**

LITZ WIRE OSC. COIL

Bank-wound of Litz-wire, lattice fashion, with the mixing coil coupled at the correct distance from oscillator winding. This unit has a high impedance primary. Size, 4 1/2 inches long, 1/2 inch in diameter. Shpg. Wt., 8 oz. 4H10081—Your Cost, Each..... **90¢**

KIT of: 1 Antenna Coil, and 1 Oscillator Coil perfectly matched. Shpg. Wt., 8 oz. 4H10082—Your Cost..... **\$1.35**

TRUATEST I.F. TRANSFORMERS

Made in two standard broadcast designs—"F" and "S". Type "F" is a sharp tuned filter unit, used to secure selectivity. Has copper shield between primary and secondary which each have inductances of 6 mh., and are individually tuned by capacities variable from 70 to 140 mmf. Type "S" is a broadly tuned unit—voltage amplification drop at 5 kc. off resonance is only .3 db. Has gain of 1.5 db over type "F"; capacity and inductance is the same. Tunable between 165-185 kc. Designed to peak at 175 kc. Average super-het. uses one type "F" and one or more type "S". Silk covered wire. Fully shielded. Size, 2 1/2 x 3 inches. Shpg. Wt., 8 oz. **FOR WUNDERLICH or '55s** 4H10116—Type "F". **\$1.00** For Other S-G TUBES 4H10095—Type "F". **90¢** 4H10096—Type "S". **90¢**

LOADING COIL

Wound with Litz wire, finds application as a long wave loading coil when used in series with broadcast coils to extend the band to include the long wave lengths or can be used with a tightly coupled primary as an R. F. transformer for the lower frequencies. 4H10092—Your Cost, Each..... **40¢**

SUPER-HET COIL KIT

Pre-Selector Coil: used as a band pass unit in conjunction with a four gang Super-Het. circuit. Composed of antenna and an interstage secondary only linked together by an overall sleeve. Size, 1/2 x 4 1/4 inches. Tunes with .00035 Condenser. Shpg. Wt., 8 oz. 4H10073—Your Cost, Each..... **93¢**

Oscillator Coil

For use where a shielded oscillator is required. Bakelite form 7/8 x 2 1/2 inches having a silk covered solenoid tickler winding and a pickup cathode winding, space wound over entire length of bank wound secondary. For horizontal mounting. Less shield. Shpg. Wt., 8 oz. 4H10074—Your Cost, Each..... **55¢**

LITZ "I.F." Transformers

For use in circuits requiring very high gain in I.F. system. Litz wire wound. Has trimming condensers 70-140 mmfd., adjustable from top. Coil is housed in shield 2 1/2 x 3 1/2 ins. high and has full length installation leads. Shpg. Wt., 8 oz. 4H10075—For S-G Tubes. Your Cost..... **98¢**

4H10114—For Wunderlich or '55s. **\$1.08**

COMPLETE KIT

1-Pre-Selector, 1-Oscillator and 2-I.F. Transformers. 4H10076—For S-G Tubes. Your Cost..... **\$3.35**

Untuned Assembly

A combination of a self tuned bl-filter transformer peaked at 550 K.C. and a detector plate choke coil which finds popular use as an additional Radio frequency stage in 4 tube receivers both for home use and automobile receiver. Since no external tuning is required, the only additional expense involved is for the Assembly itself and extra tube. Size, 1 1/2 ins. high by 1 1/2 ins. in diameter. Shpg. Wt. 8 oz. 4H10094—Your Cost..... **55¢**

Translator Coil

The Translator Unit is an Assembly of two separate coils end to end, secured by an over-all sleeving. The detector R. F. section is identical in construction to the Inter-Stage coil, and the oscillator section is a two bank Litz wire secondary, and a plain solenoid tickler winding. The Assembly is for use unshielded with Super-Het. Variable condensers with special oscillator section. The secondary inductance value being of current relationship to each other to track uniformly at a difference of 175 K.C. across the broadcast band. The unit as assembled is 1/2 in. O.D. x 4 1/4 ins. long. Shpg. Wt., 8 oz. 4H10078—Your Cost..... **95¢**

PRE-SELECTOR COIL

A very efficient low cost pre-selector coil. Lattice wound of heavy Litz wire. The form is dehydrated wax maple and has a .106 hole in one end for mounting to the chassis with a machine screw. The coil is used as a band pass for Super-Het. circuits. The unit has a high impedance antenna primary, and is stable in operation. Shpg. Wt., 8 oz. 4H10079—Your Cost..... **45¢**

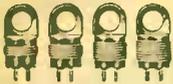
LONG WAVE R. F. COIL

A very recent development in coil winding for long wave transformers or any application requiring large inductance values. Banked four deep, producing a coil of exceptional efficiency for tuning at frequencies lower than the broadcast band. Range, 550 meters to 1200 meters with a .00035 mfd. condenser up to 2000 meters with a .031 mfd. condenser. Size, 2 1/2 x 1 1/4 inches. Shpg. Wt., 8 oz. 4H10051—Your Cost..... **70¢**

DeJur Amsco S.W. Transitor

A Special short-wave Intermediate frequency transformer, designed for peaking at 465 kc., altho adjustments from 430 to 470 kc. can be made. Fully shielded in drawn aluminum shield. Size, 2 1/4 ins. high, 2 1/4 ins. in diameter. Shpg. Wt., 1 lb. 4H9709—Your Cost, Ea. **\$1.10**

COILS - SHIELDS - ACCESSORIES



AIR-KING S. W. Coil Kit

A reasonably priced short wave plug-in coil set for circuits needing high amplification with low loss. Forms of bakelite. Handles engraved with coil number. Four coils cover range from 15 to 210 meters when used with a .0001 mfd. condenser. Excellent for the short wave fan. Shpg. Wt., 3 lbs.
2H10070—\$1.47
 Your Cost, per set.....

TELEVISION COIL KIT

Made expressly for Television signals. Covering the band from 100 to 212 meters, when used with .00015 mfd. tuning condensers, these are plug-in coils that bring results. Complete set of 3 coils: 2 R. F. and 1 Detector coil. Wound with genuine Litz Wire. Size, 1 1/2 inches diameter, 2 1/2 ins. high. Shpg. Wt., 3 lbs.
2H10059—\$1.50
 Your Cost, Per Set.....

VICTOR R.F. COILS

Used in Victor Models R-32, RE-75 receivers. Size, 1 1/2 x 2 1/2 ins. high. Complete set of coils: 1 antenna, 3 R. F. coils. Tunes with .00035 mfd. condenser. Shpg. Wt., 3 lbs.
2H10055—\$1.45
 Your Cost per set.....



ISOLANTITE S.W. Coil Forms

New type of plug-in coil form affording maximum efficiency at high frequencies. Isolantite material is known to science to be the finest for high frequency work. The form is equipped with a black enameled grip handle. Surface of form is "non-skid". Plenty of wire holes, makes drilling unnecessary. Size, 1 1/2 ins. in diameter by 2 1/2 ins. high, exclusive of knob and prongs.
2H10056—4 Prong Form
2H10057—5 Prong Form
2H10058—6 Prong Form
 Shpg. Wt., 1 lb.
Your Cost Each.....\$8¢



TRUATEST Coil Forms

For Short Wave or broadcast band coils. Contacts of coil forms fit into any standard 4 or 5 prong tube socket. Has moulded ridge on top for ease of grasp. Choice of 4 colors: yellow, blue, red and green. State color when ordering. Shpg. Wt., 8 ozs.
2H10060—4 Prong
Your Cost, Each.....14¢
2H10061—5 Prong
Your Cost, Each.....15¢
Set of Four 4-prong forms
Your Cost, per set.....50¢
Set of Four 5-prong forms
Your Cost, per set.....55¢
 Shpg. Wt., 2 lbs.

TRUATEST Super-1 Short Wave Converter Coil Assembly



10 to 200 Meters
 An assembly of and a low capacitance inducting the 1 plug-in coils. the switch enab 10-20, 20-40, 40 meter bands. used with a t consisting of and an oscillat then may be fe T.R.F. or a Su meter broadcast completes a ec very efficient sh Het. receiver pl broadcast rece can be furnish broadcast rec with knob and marked with use with a 2-condenser. Shp furnished. Dp
2H10104—
 Your Cost.....

DUO LATERAL HONEYCOMB COILS

Mounted Duo Lateral Honeycomb Coils for broadcast and long-wave reception. Note:—50 mmf. is assumed to be the minimum capacity of the 17 Plate condenser plus the parasitic capacity of the wiring of the circuit. Also 75 mmf. to be the minimum of the 23-plate condenser.

Capacity range of condenser in Micro-Micro Farads.	No. Turns	350 mmf. 17 plate wavelength in meters		500 mmf. 23 plate wavelength in meters		Your Cost
		Min.	Max.	Min.	Max.	
2H10000	25	80	220	100	260	\$.84
2H10001	50	160	430	200	510	.90
2H10002	75	240	620	290	750	.95
2H10003	100	310	830	380	990	.99
2H10004	150	480	1360	590	1500	1.02
2H10005	200	650	1690	780	2000	1.05
2H10006	300	980	2600	1200	3100	1.10
2H10007	400	1300	3500	1600	4120	1.14
2H10008	500	1700	4400	2000	5300	1.32
2H10009	750	2500	6500	3020	7800	1.65
2H10010	1000	3400	8800	4100	11500	1.72
2H10011	1250	4200	10400	5300	13500	1.98
2H10012	1500	6400	14000	6500	16500	2.31

Coil Plug Receptacle

Single mounting receptacle, fits all above type honeycomb coils. Perfect contact.
2H10015—Your Cost each.....65¢



SELECTOR

Same as used in position switch knob and esc; included. Shpg. Wt. 1 lb.
2M12949



TRUATEST TUBE SHIELD

A beautifully finished tube shield. For all types of R. F. tubes. Three slots on bottom of shields for direct wiring. Size, 4 3/8 ins. high, 2 1/2 ins. in diameter. Removable base.
2M13259—
Your Cost, Each.....12¢
Per Dozen—Your Cost...\$1.25

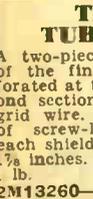


TRUATEST SHIELDS For New Type Tubes

Made of aluminum, natural finish. Three pieces: base, barrel and cap. Barrel diameter 1 1/2 ins. Overall height 4 1/2 ins. For New Types 56, 57 and 58 tubes. Covers tube entirely. Shpg. Wt., 1 lb.
2M13265—
Your Cost Each.....15¢
Lots of 10, Each.....13¢



National Shield
 One shield rugged. Size, 3 inches diameter. Holes spaced 1/2 inch. Wt., 1 lb.
M13257—
Your Cost, Each.....21¢



TRUATEST TUBE SHIELD

A two-piece tube shield, made of the finest aluminum. Perforated at top and bottom. Second section has slot for screen grid wire. Mounted by means of screw-lugs furnished with each shield. Size, 5 1/2 ins. high, 1 1/2 inches diameter. Shpg. Wt., 1 lb.
2M13260—Your Cost...13¢
Per Dozen—Your Cost...\$1.40



SHORT TYPE. Grid terminal projects up through opening at top. Three pieces: base, barrel and cap. Aluminum, natural finish. Diameter of barrel 1 1/2 ins. Hgt., 3 1/2 ins. Shpg. Wt., 1 lb.
2M13266—
Your Cost Each.....10¢
Lots of 10, Each.....09¢



NATIONAL COIL SHIELD
 A rugged Aluminum coil shield. Base is drilled for wire connections. Top shield fits on base by means of two set screws. Size, 3 3/4 ins. high, 3 ins. diam. Shpg. Wt., 1 lb.
M13266—
Your Cost, Each.....30¢



TRUATEST SPECIAL TUBE SHIELD

Complete, copper-plated finished tube shield. Removable top and bottom base. Size, 5 inches high, 2 1/2 inches diameter. Perforated for ventilation. Very popular shield, at a low price. Shpg. Wt., 1 lb.
2M13261—
Your Cost, Each.....12¢
Per Dozen.....\$1.20



NATIONAL SHIELD For New Type Tubes

Type T-58 Shield with Top Cap and Bottom Mounting Plate. Designed for use with New Type 57 and 58 tubes. Aluminum. Shpg. Wt., 1 lb.
2M13264—List, 40¢
Your Cost Each.....24¢

BARGAIN COIL SHIELD
 A very high grade shield at a bargain. Has three brackets for mounting a coil inside; or the ends of brackets may be clipped and used for attaching shield to chassis. Made of heavy drawn aluminum sand blast finish. Hole in top for bringing out screen-grid lead. Easy to mount with brackets furnished. Size 2 1/2 inches diameter, 4 1/2 inches high. Shpg. Wt., 1 lb.
M13263—
Our Special Price.....10¢
10 for.....90¢



NATIONAL TUBE SHIELD

Regulation Aluminum Tube Shield. Perforated for air circulation. A finished product by National. Size, 4 1/2 inches high, 2 inches diam. Removable top and bottom bases. For all types of R. F. tubes. Shpg. Wt., 1 lb.
2M13258—
Your Cost Each.....18¢



KOLSTER Variometer

For replacement in Kolster Models K-20, 22, 25, 48A, 48B. Brand new condition. Replacing a new Variometer in a Kolster receiver very often improves the reception. Shpg. Wt., 2 lbs.
2H10050—List, \$6.00. Your Cost, Special. 25¢



DON'T SPLIT YOUR ORDER!

It is not necessary to place part of your order with another house because you do not find some particular article you require listed in our catalog. If it is listed in another catalog we can supply it 99 times out of 100—just say where you saw it and we'll get it for you; at the same or a lower price—in many instances it will be lower.

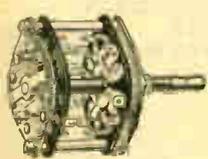


YAXLEY GANG SWITCHES

Point Tap Switches for applications in radio. Necessary in all-wave rotary type. Controlled from shaft. Smooth and finished complete cutcheon plate.

POINT	
List	Your Cost
\$.90	\$.53
1.50	.88
2.10	1.24
2.70	1.59
POINT	
\$.90	\$.53
1.50	.88
2.10	1.24
2.70	1.59
POINT	
\$.95	\$.56
1.60	.94
2.20	1.30
2.80	1.65
POINT	
\$.95	\$.56
1.60	.94
2.20	1.30
2.80	1.65
POINT	
\$.95	\$.56
1.60	.94
2.20	1.30
2.80	1.65

Best Rotary Switches



Sturdy construction, steel end plates 1/4 in. shaft. Noiseless in operation. Double surface cutting, self cleaning silver plated contacts. Bakelite insulation, rustproof frame. Size 1 3/4 x 2 3/8 length depending on number of sections. Shaft 1 in. long. Wiring diagram with each. For Converters and S-W Superheterodynes; 4 pole 5 position in two sections. **\$1.25**
 For a two range TRF Receiver; or where a long-wave or short-wave band and broadcast band are to be included in one chassis; 6 pole 2 position, three sections. **4M12843—\$1.50**
 For a superheterodyne circuit combined with a TRF stage; 6 pole 5 position, 3 sections. **4M12844—\$1.70**
 Each

NOTE!

We can supply Rotary Contact Switches in any number of sections and with any conceivable arrangement. Send us your specifications for prices on special units.

CUTLER-HAMMER SWITCHES Toggle Switch



General purpose. 1/2 inch shaft. 3 amps. at 125 v. Approved by Underwriters. **2M12836—15¢**
 Each \$1.70
 Per Dozen

Long Shank Switch

Same as above except has long shaft; 1 inch. Ideal for wood panels.



2M12835—17¢
 Each \$1.90
 Per Dozen

Single Pole Double Throw Switch



Three terminals one common. One pole on each end. Ideal for Phono-Radio switch. Rated 3 Amps. at 125 v. 1/2-inch shaft. **2M12834—20¢**
 Each \$2.20
 Per Dozen

2 Circuit Rotary Toggle



Two way, two circuit. Rated 3 amps. 125 v. Shaft 1 3/8 ins. long, for standard knob. **2M12837—Each 22¢**
 Per Dozen \$2.25

OFF-ON SWITCH

Similar in appearance to the above except has only two terminals. **2M12838—Each 14¢**
 Per Dozen \$1.50

Double Pole Double Throw TOGGLE



A suitable switch for meter panels, set analyzers, and testing equipment. Ideal for phono-radio switch also. Shaft 1/2 inch long. Not suitable for 110 Volt A.C. **2M12833—Each 42¢**
 Per Dozen \$4.75

Triple Throw TOGGLE



Single pole triple throw. Dead center position. 1/2-inch shank. **2M12831—75¢**
 Each \$8.00
 Per Dozen

Single Pole Double Throw

Similar in appearance to the above, except single pole double throw. Center position off. Suitable for Radio-Phono switch. 1/2-inch shaft. **2M12832—Each 42¢**
 Per Dozen \$4.00

G. E. ROTARY SWITCH With Knob



On and off switch. Rated 3 amps. 125 volts. Approved. 3/4-inch shaft for standard knob. **2M12827—15¢**
 Each \$1.60
 Per Dozen

CARTER Phono-Radio Switch



Complete with escutcheon plate. Single pole double throw. 1/4-inch shaft. **2M12828—14¢**
 Each \$1.50
 Per Dozen

YAXLEY Battery Switch



Small filament control snap switch. Quick action. One hole mounting. **2F6477—Each 29¢**

Miniature Bakelite Knife Switches



Nickel plated metal parts. Single pole types 1 1/2 inches long, double pole 2 1/2 inches.

Stock No.	Poles	Throw	Net
2R16830	1	S	\$0.30
2R16831	1	D	.36
2R16832	2	S	.42
2R16833	2	D	.48
2R16834	3	S	.70
2R16835	3	D	.72
2R16836	3	S	.84
2R16837	5	D	1.18
2R16838	5	S	1.32
2R16839	5	D	1.47

PORCELAIN BASE Knife Switches



For many radio and electrical uses, especially suitable for aerial and ground. Copper contacts and blades.

Stock No.	Poles	Throw	Net
2R16820	1	S	\$0.10
2R16821	1	D	.14
2R16822	2	S	.18
2R16823	2	D	.22
2R16825	3	D	.52

H & H Long Shank Switches



Underwriter approved. 3 amps. at 125 volts. Bronze finish lever and shank. 7/8 ins. long. Complete with two nuts. "On-Off" Type. **2M12839—Your Cost Ea. 16¢**
 12 for \$1.80
Single Pole, Double Throw 22¢
2M12840—Your Cost Ea. 22¢
 12 for \$2.00
Two Way Two Circuit 22¢
2M12841—Your Cost Ea. 22¢
 12 for \$2.00

CARTER JACKS



Never before have these well known Jack Switches sold at any thing like our new low price. Just another example of how "wholesale" saves you money. Type 101. One spring. Open Circuit. **2F6280—Your Cost Each 5¢**
 Type 102A. Two springs, breaks one circuit and breaks another when plug is inserted. **2F6281—Your Cost Each 5¢**
 Type 103. Three springs; two open circuits closed when plug inserted. Fil. control. **2F6282—Your Cost Each 5¢**
 Type 104. Four springs. Two circuits broken when plug is inserted; makes another. **2F6283—Your Cost Each 5¢**
 Type 105. Five springs. Makes two circuits; breaks two when plug is inserted. **2F6284—Your Cost Each 5¢**
 Dozen, any Type 50¢

YAXLEY JUNIOR JACKS



For use where space is at a premium. Extends only 1 1/4 inches behind panel. 1 3/4 inches long over all. Shpg. wt., 6 oz. **2F6450—No. 701 Open Circuit. List, 40¢. Net 24¢**
2F6451—No. 702 Closed Circuit. List, 55¢. Net 32¢
2F6452—No. 703 Single Circuit. Filament Control. List, 65¢. Net 38¢
2F6453—No. 704 Interstage. List, 75¢. Net 44¢
2F6454—No. 707 Filament Lighting. Net 64¢

YAXLEY PUSH Button Switches



Though frequently used and even more frequently desirable, it has been difficult to obtain a standard push button switch in the multi-spring combination. Now, Yaxley Push Button Switches are available in a wide range of spring combinations.

Catalog Description	List Price	Your Cost
2F6460—Make Contact	\$1.00	\$0.59
2F6461—Break Contact	1.00	.59
2F6462—Single Pole, Double Throw	.15	.67
2F6463—Two Make Contacts	1.30	.76
2F6464—Two Break Contacts	1.30	.76
2F6465—Double Pole, Double Throw	1.60	.94

YAXLEY JUNIOR Jack Switch



For use in small space. Extends 1 1/4 inches behind panel; 1 3/4 inches long over all. Shpg. wt. 10 oz. **2F6470—Battery Switch. List Price, 70¢. Net 41¢**
2F6471—Two Circuit. List Price, 85¢. Net 50¢
2F6472—Double Circuit. List Price, 95¢. Net 56¢
2F6474—Two way Two Circuit. List Price, \$1.10. Net 65¢
2F6473—Five Spring. List Price, \$1.10. Net 65¢

H. & H. Two-Circuit Switch



This heavy duty switch has many uses in the shop and laboratory. Ideal where heavy current is used. Operates as follows: 1st snap, Circuit No. 1; 2nd snap, Circuit No. 2; 3rd snap, Off. Made by H. & H. Diameter of base, 3 1/2 ins. Three holes for supporting screws spaced on circle 2 1/2 ins. Shpg. Wt., 2 lbs. **4M13370—Your Cost, 49¢**
 Special

EBY Rotary Switches



3 Amps. 125 volts. New Style rotary. 3/4-inch shaft. Mounting lugs.

Switch Type	Each	Per Dozen
SINGLE POLE SINGLE THROW	15¢	\$1.70
SINGLE POLE DOUBLE THROW	19¢	\$1.90

AERIAL EQUIPMENT



"DX" Roof-Porch-Attic Aerial

Length 5 Ft. Has 10 Ft. of rubber covered lead-in soldered to aerial. Ideal for Superheterodyne and new "high-gain" sets. Used by many dealers as regular equipment because of low cost, easy installation and high efficiency. Fully assembled, ready to "string up." Shpg. Wt., 3 Lbs. **75¢**
4R17124—Your Cost



"DX" Window Sill Aerial

For use on window sill, under couch or in closet. Absolutely non-directional. Especially for use with Superheterodynes. Has 10 Ft. rubber covered lead-in soldered to aerial. Length 31 inches, height 6 inches. Shpg. Wt., 6 Lbs. **\$1.05**
4R17129—Your Cost Each



"DX" Aerials for T.R.F. Sets

Guaranteed greater volume and sharper tuning; non-directional. Fully assembled cages, ready to string up. No. 200 for short roofs. 5 heavy zinc spacer rings. Length 20 Ft. Contains 100 Ft. enameled copper wire, 25 Ft. rubber covered lead-in, soldered to aerial. Shpg. Wt., 5 Lbs. **\$1.45**
4R17122—Your Cost

"GIANT DX" ROOF AERIAL "SUPER POWER ON DISTANCE"



Super power on distance. Ready to string up. 25 Ft. Soldered lead-in. Very powerful without loss of selectivity. 10 Ft. cage with 150 Ft. 7-strand copper wire. Shpg. Wt., 5 Lbs. **\$1.95**
4R17128—Your Cost

Same as above except with 50 Ft. 7-strand wire. Length 10 Ft. Shpg. Wt., 4 Lbs. **\$1.05**
4R17123—Your Cost

WINDOW "DX" AERIAL

A five wire cage aerial similar to the above except has two 16-inch iron brackets to support cage vertically outside the window, instead of metal frame beneath. Designed for Superheterodynes which require an aerial of large capacity in a small area; a long aerial picks up too much interference while a short "DX" tunes sharp and clear. Weatherproofed. Has soldered lead-in. Length 5 Ft. **\$1.50**
4R17126—Complete with brackets and wood screws. Shpg. Wt., 5 Lbs.
Your Cost

4R17125—Window "DX" Aerial less \$1.25
Your Cost

No. 30: Produces great volume; ideal for all sets. 5 spacer rings; length 30 Ft. Contains 150 Ft. enameled copper wire and has 25 Ft. rubber-covered lead-in. Shpg. Wt., 6 Lbs. **\$1.80**
2R17121—Your Cost

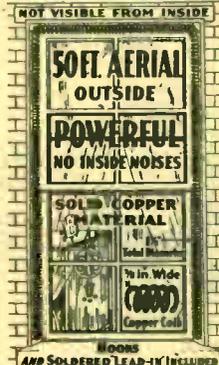
No. 60: An exceptionally powerful aerial. 8 spacer rings; length 50 Ft. Contains 300 Ft. wire, 25 ft. rubber-covered lead-in. Shpg. Wt., 8 Lbs. **\$2.25**
4R16119—Your Cost Each

FAMOUS STIKTAPE AERIAL

A black adhesive tape with one side coated with an alloy of great sensitivity to radio waves. Sticks anywhere and is extensively used around base-board or moulding for inside aerial or on auto top for car aerial. 50 Ft. to the roll. Shpg. Wt., 8 oz. **54¢**
4R16168—List, \$1.00.
Your Cost
 Display Carton of 12.....\$6.00

Inside or Outside "DX" AERIAL

A powerful aerial for all midget sets. Made of solid copper metal, fastens by means of hooks and is not visible from inside. May also be used inside in window frame back of curtain. Most midget sets and all TRF sets work better with a powerful outside aerial; this installation gets away from interfering with neighbors' antenna. Complete with hooks and soldered lead-in. Stretches to fit any window. 50 Ft. of material. Shpg. Wt., 3 Lbs. **\$1.10**
4R17127—Your Cost Each



Wellston Gold-Test Aerial

One of the greatest innovations since radio began. Brings in distant stations with crystal clear tone and with great volume. Non-directional, non-corrosive and guaranteed never to wear out. Does away with lightning hazards, and because it does not connect into light socket, AC hum and line noises are eliminated. Attractive brown Durez case. Mounts anywhere. No tools needed to install. List, \$2.50. **\$1.47**
4R16162—Your Cost Each



drum, 14 inches in diameter with under-structure with collar for mounting on wooden pole or pipe. Has a clip for attaching lead-in. Will last forever and is guaranteed to improve reception. Shpg. Wt., 6 Lbs. **95¢**
4R17119—Your Cost Each

"AMERICAN" All-Directional ANTENNA

Especially recommended for short wave and television reception, although very suitable for general radio reception. Positively non-directional. Consists of a pure copper drum, 14 inches in diameter with under-structure with collar for mounting on wooden pole or pipe. Has a clip for attaching lead-in. Will last forever and is guaranteed to improve reception. Shpg. Wt., 6 Lbs. **95¢**



Red Arrow Antenna

A new combination weather vane and antenna. Pickup capacity of arrow and four 12-Ft. guy wires equal to 75 Ft. of wire aerial. Mounts on 6 1/4 ft. 1/2-in. pipe, held erect by four guy wires; and special roll plate. Has patented Bakelite condenser which acts as insulator between mast and arrow. Shpg. Wt.—Arrow only, 2 Lbs.; Accessory Kit, 12 Lbs. **\$1.95**
4R17134—Arrow Only.
List, \$3.25. Your Cost
R17145—Accessory Kit, including 80 Ins. 1/2-In. pipe and everything necessary to install. List, \$3.25. \$1.95
Your Cost

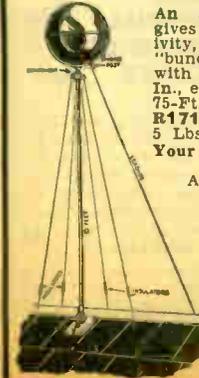
AERO Aerial Wire

Many strands of very fine wire of high conductivity over which is laid a special covering of neutral buff color. An indoor aerial of unusual efficiency. 100-Ft. spools. Shpg. Wt., 8 Oz. **15¢**
4R16167—Your Cost Each
Per Dozen \$1.50



YAHR-LANGE SUPER-BALL ANTENNA

An all-directional aerial which gives any radio set greater selectivity, volume and distance. The "bunched capacity" of the ball with its conductive area of 346 Sq. In., equal the pickup capacity of a 75-Ft. wire aerial. **\$2.80**
R17135—Ball Only. (Shpg. Wt., 5 Lbs.). List, \$4.75.
Your Cost



ACCESSORY KIT: Consisting of 1 Ground Clamp, 1 Sensory Lead-In, 3 Nail-It Knobs, 4 Insulators, 1 6-In. Emily Screw-type Insulator, 50-Ft. No. 14 rubber-covered Lead-In, 50 Ft. Copper Guy Wire, 4 Screw Eyes, 80 Ins. 1/2-In. Conduit Pipe, 1 Aluminum Antenna Base. Shpg. Wt., 12 Lbs. List, \$3.50. **\$2.16**
R17137—Your Cost



GROUND RODS

New design with clip which makes positive and permanent connection. Heavy steel yoke for driving head. 3/8-In. drawn steel, cadmium plated.

4 Ft. Length
4R17187—25¢
Each (Shpg. Wt., 2 Lbs.)

6 Ft. Length
4R17188—40¢
Your Cost Each (Shpg. Wt., 3 Lbs.)

INSULTENNA

Replaces outdoor antennas. Not connected to the light sockets. Handsomely finished bakelite case. Size 5x5 1/2 x 1 In. Contains a number of feet of new type filtered aerial wire with condenser which gives capacity of 75-Ft. antenna. Mounts anywhere. Shpg. Wt., 1 Lb. **\$1.40**
4R16166—List, \$2.50. Your Cost



Consists of a gold colored metallic braid woven into a strip of fabric about 3/8-In. wide. A neat and efficient aerial for stringing above moulding or baseboard. Held in place by thumb tacks. 65 Ft. to roll. Shpg. Wt., 8 Oz. **29¢**
4R16163—Your Cost Each

ANTENNA KITS AND ACCESSORIES



BELDEN ARRESTER

A thoroughly reliable protector designed for either outdoor or indoor use. Listed as standard by the National Board of Underwriters. Bakelite case. Resistor type. Each furnished with \$100.00 guarantee. Shpg. Wt. 4 oz. List Price 25c.

2R16750—Your Cost **15c**



Belden Giant Arrester

An oversize porcelain arrester built big to withstand the severest lightning charge. The old reliable resistor type. Suitable for either indoor or outdoor use. The most amazing bargain we have ever offered—a quality protector at a ridiculously low price. Size, 1 3/4 x 2 1/4 inches. Shpg. Wt. 8 oz. List Price 85c.

2R16751—Our Special Price **15c** Ea.
Lots of 10, 14c. Lots of 25, 13c.

Brach Storm King Arrester



Made of genuine bakelite. Non-airgap principle. For indoor use. \$100.00 insurance policy against damage from lightning to your set goes with each arrester. Shipping weight 8 oz.

2R16752—List Price 50c
Your Cost Each **28c**

A Special Value



ONLY **6c** 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. Approved by the National Board of Underwriters. Individually boxed. Shpg. Wt., per doz., 3 1/2 lbs.

2R16753—Your Cost, Each... **6c**
12 for 65c.....100 for \$4.90

S. H. "Safeguard" Arrester



One of the finest arresters ever made. Genuine molded bakelite case. All exposed metal parts solid brass. Designed upon a new principle that provides absolute protection. Your set insured against lightning damage to \$100.00 by Manufacturers of this arrester if it is used. Shpg. wt., 1 lb.

2R16754—List Price, \$1.50.
Our Special Price..... **39c**



I. C. A. Electrostatic Arrester

A lightning arrester and static noise reducer in one. Built on new silicate of carbon principle. No air gap. Has a shield over ground terminal that shields set connection from usual electrostatic field between aerial and ground. \$100.00 insurance bond with each arrester. Black porcelain, nickel plated trimmings. Shpg. Wt. 1 lb.

2R16755—List \$1.00
Your Cost **55c**

Antenna Spring



Takes up slack in aerial. Spring only.

2R16900—Your Cost Ea. **7c**

LAFAYETTE

DE LUXE AERIAL KIT



No finer aerial kit on the market than this one. Has shielded lead-in wire that is very effective in reducing interference caused by high tension wires. By grounding the shielding disturbing impulses are carried to the ground. Also has tinned copper antenna wire that will not corrode.

- Shpg. Wt., 4 lbs. Kit consists of the following:
- 75 ft. 7-24 Tinned Copper Aerial Wire.
 - 50 ft. 16 Str. Shielded Lead-In Wire.
 - 25 ft. Rubber Covered Ground Wire.
 - 1 Lightning Arrester
 - 2 Porc. Insulators
 - 1 Ground Clamp
 - 1 Lead-In Strip
 - 2 Insulated Screw-eyes
 - 2 Nail Knobs
 - 5 Insulated Staples.

Stock No. List, \$2.55
2Q16475—Your Cost... **\$1.45**

LAFAYETTE AERIAL KIT

Everything necessary for an efficient aerial installation. All items are of the very best quality. Ideal for the dealer furnishing a standard antenna kit with radio set sales. Shpg. Wt., 4 pounds. 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 Cop. Ground Clamp
- 2 Porcelain Insulators.
- 2 Nail Knobs.



2Q16476—List Price, \$1.25
Your Cost Each **65c**

STANDARD AERIAL KIT

A low price kit containing all essentials for a dependable and efficient aerial system. A very good Dealer item. Shipping Wt., 2 lbs. Contains:

- 90 Ft. 7/25 Copper Wire
- 50 Ft. Lead-In
- 10 Ft. Ground Wire
- 2 Porc. Insulators
- 1 Cop. Ground Clamp
- 1 Lead-In Strip
- 2 Nail Knobs
- 2 Copper Wires

2Q16477—List, 90c.
Your Cost Each **45c**

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:

- 100 Ft. 7/27 Copper Wire
- 35 Ft. Rubber Covered Lead-In
- 1 Lead-In Strip
- 1 Ground Clamp
- 2 Nail Knobs
- 2 Porc. Insulators

2Q16478—List Price, 75c
Your Cost, Each **38c**

BELDEN AERIAL KIT

Nationally advertised; nationally known for quality. The most popular number in a very popular line of aerial kits. Shpg. Wt., 4 lbs. Contains:

- 100 Ft. 7/22 Bare Copper Aerial
- 35 Ft. All-Rubber Lead-In Wire
- 1 Belden Arrester
- 1 Belden Lead-In Strip
- 1 Belden Ground Clamp
- 2 3" Glass Insulators
- 2 Nail Knobs
- 2 Galvanized Screw Eyes.
- 2 Wood Screws
- 1 Instruction Sheet



2Q16479—List Price \$2.00
Your Cost Each..... **\$1.20**

New Premax Mast



A new, simple one piece mast that will fill a big demand. Easy to use, practical in design, durable and low in price. Everything the aerial man needs for a straight line aerial. 3/4 inch solid steel rod with a parkerized rust-proof finish. Adjustable base fits flat or sloping roofs. 3 1/2 Ft. high. Complete with guy wire. No additional insulators needed. Shpg. Wt. 2 1/2 pounds.

2R17138—
Your Cost Ea. **35c**

Tubular Steel Masts

Made of welded steel tubing with black baked-on enamel finish. Flattened at base for easy attaching to roof. Best simply nailed to roof and mast bent upright. Guy wire disc at top. Patented clamping device locks sections at any height.

- MADE IN FOUR SIZES
- 2R17139—Single Section, 3 Ft. Shpg. Wt. 2 1/2 pounds. **49c** Your Cost Each.....
 - 2R17142—Double Section, 6 Ft. 7 In. Shpg. Wt. 4 lbs. **98c** Your Cost Each.....
 - 2R17143—Triple Section, 9 Ft. 4 In. Shpg. Wt. 6 1/2 **\$1.47** lbs. Your Cost, Each.....
 - 2R17144—Quadruple Sect'n, 12 Ft. 9 In. Shpg. Wt., **\$2.25** 8 1/2 lbs. Your Cost, Each.....

LEAD-IN STRIPS

Thoroughly insulated with glossy water proof lacquered webbing. Copper core. Length, 12 ins. Has new screw type terminals.

- 2R17100—Your Cost, Each... **6c**
- 100 for..... **\$4.50**
- As above with Fahnestock terminals.
- 2R17101—
Your Cost, Each **4c**
- 100 for..... **\$2.90**

Insulated Staples

For holding inside lead-in and ground wires in place. Never be without them.

2Q16980—Per box of 100 **10c**

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 inches in diameter. Has spring clip for attaching ground wire. Shpg. Wt., 3 Oz.

- 2R17102—Net Ea. **3c**
- 50 for..... **\$1.10**

Stand-Off Insulators

Blade of porcelain; extra heavy to stand great strain. Length 4 inches. Shpg. Wt., 8 Ozs.

2R16800—Net Ea. **9c**
Lots of 10..... **80c**

Wall Insulator

For supporting wiring on instruments or may be used for supporting lead-in or ground wires. Glazed porcelain 2 1/2 In. high. Shpg. Wt. 8 oz.

2R16738—50 for **\$3.75**
Your Cost Each..... **8c**

Screw-In Stand-Off



Strong porcelain insulator with wood screw base. Ht., 2 1/2 ins. Shpg. Wt., 8 ozs.

2R16801—Your Cost, Each... **10c**
\$4.50 per 50.

BROWN PORCELAIN

Strain insulator made of heavy porcelain. 2 1/2 In. long 5/32 In. Hole Shpg. Wt. 4 oz.

2R16802—Your Cost Each.... **2c**
\$1.80 per Hundred.



Wirt Insulator

Galvanized extension about 6 In Long. Porcelain Insulator. Shpg. Wt. 8 Oz.

2R16736—Your Cost Each... **21c**

HEAVY WHITE PORCELAIN NAIL KNOBS

Heavy white porcelain nail knob. Has serrated cap that holds wire firmly. Height 1 1/2 In. Diameter 1 1/2 In.

2R16977—
Your Cost Each..... **1 1/2c**
50 for 60c.....100 for \$1.00

Glass Insulators

Special tempered glass, unaffected by heat or cold or other climatic conditions. Best quality. Shpg. Wt., 6 Oz. 3 In. long.

2R16880—Your Cost Ea. **3 1/2c**
Lots of 100, Ea..... **3c**
2R16881—Length 4 In.
Your Cost Each..... **5c**
Lots of 100, Ea..... **4 1/2c**

Screw-In Knobs

For attaching lead-in or ground wires to posts or buildings. Wire passes through center of porcelain. With screw 3 In. long. Shpg. Wt. 4 oz.

2R16972—Net Each... **3c**
12 for 30c; 100 for \$2.00

BABY INSULATOR

For suspending wires inside the house. Soft rubber insulator. Screw 1 1/2 In. overall. Shpg. Wt., 1 Oz.

2R16973—Per box of 10 **18c**

SCREW EYES

An indispensable service accessory. Best quality steel. Length, 2 ins. Shpg. Wt., per box, 1 lb.

2R16985—Your Cost Ea. **1c**
100 for 90c.

GROUND CLAMP



Standard type. Has sharp teeth to bite thru rust and paint on pipe. Insuring good connection. For pipes up to 3/4 in.

2R17103—
Your Cost, Each... **9c**
12 for..... **\$1.00**
FOR 1 1/2 In. PIPE
Same as above except for larger size pipe.

SPECIAL GROUND CLAMP



A very special value! Makes a vise grip on pipe. Has sharp pointed screw that penetrates surfacing and makes perfect contact. Has screw for connecting ground wire.

2R17105—Net, Ea. **4c**
12 for **42c**
100 for **\$3.25**

Corwico Braidite



A superior hook-up wire. Either solid or stranded and tinned. Impervious to moisture. Push back braid while soldering, then replace it, thus forming the neatest possible connection. Furnished in the following colors: red, yellow, blue, green and black. Specify color wanted. Shpg. Wt. 1 lb. 2Q16325—No. 600 Solid copper core. 25 ft. in carton. List, 30c.

Your Cost Each 2Q16326—No. 601 Stranded copper core. 25 ft. in carton. List, 35c. Your Cost Each **20c**



TWISTED PAIR For Filaments

20 gauge. 16 strands No. 29. Tinned. Rubber insulation covered with cotton braid. Color: black. Shpg. Wt. 25 Ft. coll, 12 Oz. One piece coils. 4Q16278— 50 Ft. 100 Ft. 30c 59c \$1.15

HEAVY DUTY TWISTED PAIR

19 strands No. 25 copper. Tinned. Extra heavy insulation consisting of a layer of cotton a coating of seamless rubber and an outside covering of oil glazed braid. Shpg. Wt., 25 Ft. coll, 1 1/2 lbs. One piece coils. 4Q16123— Per Foot 25 Ft. 50 Ft. 100 Ft. 73c \$1.47 \$2.62

MAGNET WIRE



One piece only to the spool. Sizes given are for standard B. & S. Gauge. Prices per spool. Shpg. Wt., 1/4 lb. spools, 8 oz.; 1/2 lb. spools, 1 lb.

Enamel

Size	Stock No.	1/4 Lb.	1/2 Lb.
16	4X20950	\$.14	\$.25
18	4X20951	.15	.29
20	4X20952	.16	.27
22	4X20953	.17	.28
24	4X20954	.18	.29
26	4X20955	.20	.35
28	4X20956	.21	.37
30	4X20957	.23	.42
32	4X20958	.25	.46
34	4X20959	.29	.52
36	4X20960	.33	.60
38	4X20961	.38	.70

Double Silk

Size	Stock No.	\$	\$
18	4X20962	.28	.52
20	4X20963	.32	.62
22	4X20964	.36	.70
24	4X20965	.43	.85
26	4X20966	.54	1.04
28	4X20967	.68	1.30
30	4X20968	.88	1.70
32	4X20969	1.11	2.16
34	4X20970	1.40	2.66
36	4X20971	1.73	3.29

Double Cotton

Size	Stock No.	\$	\$
16	4X20973	.16	.28
18	4X20974	.17	.31
20	4X20975	.18	.34
22	4X20976	.21	.39
24	4X20977	.24	.46
26	4X20978	.29	.55
28	4X20979	.35	.67
30	4X20980	.41	.79
32	4X20981	.51	.97
34	4X20982	.73	1.38
36	4X20983	1.00	1.90

WIRE

Special Value Hook-up Wire



Unquestionably the biggest wire bargain ever offered. Guaranteed first quality, full lengths and gauges. If you use hook-up wire here's your opportunity to stock up.

22 GAUGE STRANDED COPPER

Seven strands No. 29. Cotton and rubber under waxed braid covering. Tinned. Colors: red, yellow and black. Shpg. Wt. 25 ft. coil 6 oz. One piece coils. 4Q16276— 25 Feet 50 Feet 100 Feet 14c 25c 31c

22 GAUGE SOLID COPPER

Same insulation as above. Tinned. Colors: red, black. One piece coils. 4Q16277— 25 Feet 50 Feet 100 Feet 14c 25c 31c

HEAVY DUTY STRANDED COPPER

Forty strands No. 29; 14 Gauge. Layer of heavy cotton under covering of live rubber. Tinned. Ideal for heavy duty filament in transmitting apparatus. Shpg. Wt. 25 ft., 1 lb. 4Q16121— Per Foot 25 Ft. 50 Ft. 100 Ft. 35c 65c \$1.20

EXTRA HEAVY STRANDED COPPER

Sixty-five strands No. 29. Tinned. 12 gauge. Insulated with pure pliable rubber. Will safely handle 10 amps at 2 1/2 volts. Shpg. Wt. 25 Ft. coll 1 lb. One piece coils. 4Q16122— Per Ft. 25 Feet. 50 Feet. 100 Feet. 48c 90c \$1.75

PUSH-BACK WIRE

Size 19 copper wire, tinned for easy soldering. Braid covered cotton insulation slips back easily. Essential for a neat and quick job. Very fine quality, not to be confused with cheaper grades which are not really "push-back." Colors: red or black. Shpg. Wt. 6 oz. coil 25 ft. One piece coils. 4Q16327— 25 Ft. Coil 50 Ft. 100 Ft. 17c 33c 65c

STRANDED PUSH-BACK WIRE

The same high quality as the above. Size 18. Stranded and tinned. Red or black. One piece coils. 4Q16330— 25 Ft. Coil 50 Ft. 100 Ft. 17c 33c 65c

Colored Rubber Hook-up Wire

No. 18 stranded and tinned copper wire covered with colored rubber compound. Solders instantly. 25 ft. to coil. Each coil in box. Colors black red or green; state color wanted. Shpg. Wt. per coil, 6 oz. 4Q16275— Your Cost per coil 10 coils \$1.50

LEAD-IN WIRE

Very good quality. The grade usually used for service work. No. 17 copper well insulated with pure rubber



4Q16200— 25 Ft. 50 Ft. 100 Ft. Single Lots 10c 16c 29c Lots of 10 Ea. 9c 13c 28c Lots of 25 Ea. 8c 14c 27c Shpg. Wt. Lbs. 1/2 1 2

BEST GRADE LEAD-IN WIRE



A heavier and better grade than the above. Consists of a core of No. 14 tinned copper wire covered with a layer of durable rubber compound and a layer of cotton braid. Strips clean; solders easily. Standard code wire. 4Q16203— 25 Ft. 50 Ft. 100 Ft. Single Lots 15c 27c 52c Lots of 10 Ea. 14c 26c 51c Lots of 25 Ea. 13c 25c 50c Shpg. Wt. Lbs. 1/2 1 2

SHIELDED LEAD-IN

Unexcelled for Lead-in and ground connections. 16 strands No. 29 (equal to No. 16) with layer of cotton over which is a layer of pure live rubber covered with a shielding of tinned copper braid. Insulations, skins easily and wire is tinned for easy soldering. 4Q16212— 50 Ft. 100 Ft. Each 52c 94c Shpg. Wt. Lbs. 1 2

BELDEN Shielded Lead-In and Ground Wire

Effective in reducing static caused by high tension wires and other sources that radiate disturbing noises. Consists of a stranded core with a heavy braid of fine tinned copper wire which serves as a shield. Easy-strip rubber insulation. In service the shielding is grounded. Size 14 4Q16208—50 Ft. 100 Ft. 250 Ft. Your Cost \$1.09 \$2.10 \$5.31 Shpg. Wt. 2 4 10

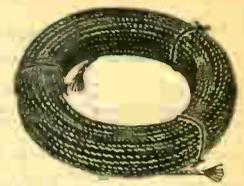
Size 16 4Q16210—50 Ft. 100 Ft. 250 Ft. Your Cost \$.68 \$1.30 \$3.41 Shpg. Wt. Lb. 2 4 9

BELL WIRE

Sometimes called Annunciator wire. A very good cotton insulated size 18 copper wire for general purpose uses. Boxed in coils of 1/2 lb. Each. 4Q16338— Per Box 14c Lots of 10 Ea. 13c Lots of 25 Ea. 12 1/2c Lots of 100 Ea. 12c Special 25 Ft. Coil unboxed. Each .06c

See PAGE 105 For LITZ WIRE and BUS WIRE

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. 4Q16112—100 Ft. Coils Single Lots Lots of 25 Lots of 50 Each Each Each 13c 12 1/2c 12c

7/26 STRANDED

4Q16113—100 Ft. Coils Single Lots Lots of 25 Lots of 50 Each Each Each 16c 15c 14 1/2c

7/24 STRANDED

4Q16114—100 Ft. Coils. Single Lots Lots of 25 Lots of 50 Each Each Each 19c 18 1/2c 16c

7/22 STRANDED

4Q16115—100 Ft. Coils. Single Lots Lots of 25 Lots of 50 Each Each Each 25c 24 1/2c 24c

ENAMELED COPPER WIRE

The very best grade enamel; will not chip or crack. Guaranteed full measure and size.

7/24 STRANDED

4Q16116—100 Ft. Coils Single Lots Lots of 10 Lots of 25 Each Each Each 27c 26c 25 1/2c

7/22 STRANDED

4Q16117—100 Ft. Coils. Single Lots Lots of 10 Lots of 25 Each Each Each 36c 35c 34 1/2c

NO. 14 SOLID

4Q16118—100 Ft. Coils Single Lots Lots of 10 Lots of 25 Each Each Each 32c 31c 29c

NO. 12 SOLID

4Q16119—100 Ft. Coils Single Lots Lots of 10 Lots of 25 Each Each Each 46c 45c 44c



24k. Gold Plated Aerial Wire

Triple plated with pure 24 K. gold. None of the troubles of copper wire which corrodes, causing noise in the receiver and loss of efficiency. Gold plated aerials are used by the Government, by broadcasting stations and by engineers. 100 Ft. coils. 4Q16110—Size 7x24 Your Price, per coil... 55c

REINFORCED CORD



Used indoors for portable machines and drop cord insulated with belt of seamless rubber and covered with smooth cotton braid, size No. 18. (Black only.)

Heavy Reinforced
 Y2809 1 Ft. 250 Ft. 1000 Ft.
 Your Cost... 2½c \$4.00 \$13.50
Light Reinforced
 Y2810—
 Your Cost... 2c 3.00 9.75

ASBESTOS COVERED CORD



Stranded copper wire, cotton wrapped, insulated with rubber, protected by a braid of long asbestos fibres and covered by rayon yarn. Furnished in two colors, gray or black. Specify color wanted.

Twisted No. 18
 Y2811— 1 Ft. 100 Ft. 250 Ft.
 Your Cost... 2c \$1.50 \$2.60
Braid Overall No. 18
 Y2812—
 Your Cost... 2c 1.50 2.95
Twisted No. 16
 Y2813—
 Your Cost... 2½c 2.25 3.95
Braid Overall No. 16
 Y2814—
 Your Cost... 3½c 2.50 5.25

SINGLE FIXTURE WIRE APPROVED



Cotton Braid—Stranded

No. 18—1/64 Cotton Covered
 Y20829—White
 Y20830—Brown
 100 Ft.... 40c 250 Ft.... 90c
 500 Ft.... \$1.55

No. 18—1/32
 Y20831—White
 Y20832—Brown
 100 Ft.... 45c 250 Ft.... \$1.05
 500 Ft.... \$1.95

No. 16—1/64
 Y20833—White
 Y20834—Brown
 100 Ft.... 50c 250 Ft.... \$1.10
 500 Ft.... \$2.25

No. 16—1/32
 Y20835—White
 Y20836—Brown
 100 Ft.... 60c 250 Ft.... \$1.25
 500 Ft.... \$2.40

SINGLE SILK FIXTURE WIRE

Stranded Silk Fixture Wire

No. 20—1/64

Y20837—Old Gold 100 Ft. 45c
 Y28038—Brown 500 Ft. 1.90
 Y20839—Maroon 1000 Ft. 3.75
 Y20840—White

No. 18—1/32—Approved
 Y20841—Old Gold 100 Ft. 75c
 Y20842—Brown 500 Ft. 2.25
 Y20843—Maroon 1000 Ft. 3.75
 Y28044—White

Rodale Immersion Heater



The moment the heater is placed in a receptacle of water you get ACTION. Plug in the cord, place the Chromium disk in the water and you get Hot Water. Extra heavy chromium heating element. Heavy brass shell chromium plated. 8 feet of rubber covered cable, insulated rubber plug. Shpg. Wt., 2 Lbs.

4V18301—
 Your Cost... \$1.09

LYNCH NOISE-REDUCING ANTENNA PRODUCTS

TRANSPPOSITION BLOCKS

Lynch Transposition Blocks are the result of a very complete study of the technical, practical and the economical aspects of radio reception. They may be used with equally satisfactory results on regular broadcast wave lengths as well as the short waves. They are made of a new material, called Lynchite, which is coming to be recognized in the short wave field for its great resistance and natural freedom from electrical losses. These transmission blocks form the most important single link in freeing radio reception from every form of interference.



R17110—Complete Kit of 10 Blocks. Your Cost..... \$1.47

CAGE-AERIAL SPREADERS



Where the cage type of aerial is to be used, the new Lynch Cage-Antenna Spreaders are highly desirable. They are made of Lynchite to reduce their electrical losses to a minimum. These units are supplied in kit form, with two extra-thick units which are used at each end of the cage to withstand the strain, and with eight thin spreaders.

R17108—Complete Kit of 10. Your Cost... \$1.47

COMMERCIAL ANTENNA INSULATORS

For installations which do not require the tensile strength of the U. S. Navy Standard Insulators. They are entirely satisfactory when the double type of antenna is composed of comparatively fine wire, not larger than No. 14. These insulators have been patterned after the Lynch U. S. Navy Standard. They are made of a high grade moulded and milled vulcanite, having a highly polished surface, which resists the accumulation and absorption of moisture. Designed so to assume a position perpendicular to the earth and high frequency losses are reduced to a marked degree.

R17109—Complete Kit of 8. Your Cost..... 88c

“U. S. Navy Standard” Antenna Insulators

There is, next to the reduction of the interference which is usually picked up on the regular down-lead, or lead-in, one other serious drawback encountered with ordinary receivers. It is the loss in the antenna circuit, resulting from the electrical loss or leakage across the antenna insulators. Insulators of this very type are in constant use in the Navy Short Wave Experimental Laboratories, as well as in many of the most important commercial services of the world.



R17107—Kit of 8. Your Cost..... \$1.77

All-Wave Antenna Coupler



Best results are obtained with this system when there is no direct connection between receiver and ground. This device has a winding which balances the two leads and connects them inductively to the Receiver.

R17106—Your Cost Each..... 88c

Heavy Duty Cord Solid Shielded Wire



The thick belt of rubber that covers the conductor is made of smooth oil resisting abrasion proof high quality rubber. This flexible waterproof oil resisting non-kinking cord is just the thing for hard service.

2-conductor, No. 19 solid enameled copper wire, heavy waxed cotton braid, copper braided shield, overall cotton braid. Ideal for permanent public address systems and for panel hook-up work.

Stock No.	Size	Per 100 Ft.	Per Ft.
Y20845	18—2-wire	3c	2.25
Y20846	16—2-wire	5c	4.50
Y20847	14—2-wire	6c	5.90
Y20848	18—3-wire	7c	6.50

Y20849— 1 Ft. 100 Ft.
 Your Cost..... 6c \$5.50
 Y20850— 3-Conductor
 Your Cost..... 10c 9.50

COTTON LAMP CORD



Size No. 18-1/32, used for portable wiring and drop lights. Tightly woven, cotton covered over live rubber insulation.

Green and Yellow
 Y20800— 1 Ft. 250 Ft. 1000 Ft.
 Your Cost... 1c \$2.10 \$7.40

No. 18—1/32 Twisted Black
 Y20801—
 Your Cost... 1c 2.10 7.40

No. 18-1/64 Green and Yellow
 Y28002—
 Your Cost... 1c 2.05 6.75

Twisted Black
 Y28003—
 Your Cost... 1c 2.05 6.75

Brown-Black Tracer
 Y20815— C M
 Your Cost... 1c 2.25 7.50

No. 14-1/32 Black Only
 Y20828— Per Ft. Per 100 Ft.
 Your Cost... 3c \$2.50

PARALLEL SILK LAMP CORD



New code insulation lamp cord. Consists of two conductors laid parallel and covered with braided silk. Has inner braid. The neatest cord for portable lamps, extension lights, etc.

2 Conductor—18-1/64
 Y20804—White } Per Ft. 1½c
 Y20805—Maroon } 100 Ft. 1.20
 Y20806—Old Gold } 250 Ft. 2.25
 Y20807—Brown }

2 Conductor—18-1/32
 Y20816—White } Per Ft. 2c
 Y20817—Maroon } 100 Ft. 1.75
 Y20818—Black } 250 Ft. 3.75
 Y20819—Old Gold }

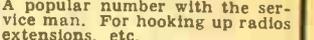
Silk Parallel Cord

Similar in appearance to above, except has no inner braid. Not approved.

2-Conductor—No. 20
 Y20820—White } 50 Ft. 40c
 Y20821—Brown } 100 Ft. 75c
 Y20822—Maroon } 250 Ft. 1.75
 Y20823—Old Gold }

2-Conductor—No. 18
 Y20824—White } 50 Ft. 55c
 Y20825—Brown } 100 Ft. 95c
 Y20826—Maroon } 250 Ft. 2.15
 Y20827—Old Gold }

PARALLEL COTTON CORD APPROVED



A popular number with the service man. For hooking up radios extensions, etc.

2/18—1/64
 Y20851—White } Per Ft. 1c
 Y20852—Brown } Per 250 Ft. \$2.10
 Y20853—Maroon } Per 1000 Ft. \$7.00
 Y20854—Yellow }

2/18—1/32
 Y20855—White } Per Ft. 1c
 Y20856—Brown } Per 250 Ft. \$2.20
 Y20857—Maroon } Per 1000 Ft. \$7.75
 Y20859—Yellow }

TROUBLE LAMP

Extra heavy lamp. 12-ft. rubber covered cord. Shpg. Wt., 3 Lbs.

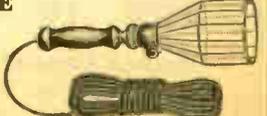
4M13273—
 Your Cost... \$1.20
 4M13274—With 20-ft. cord.
 Your Cost... \$1.45



TROUBLE LAMP

Complete with 12-ft. rubber cord and plug. Switch at socket. Shpg. Wt., 3 Lbs.

4M13271—
 Your Cost... \$1.20
 4M13272—With 20-ft. cord.
 Your Cost... \$1.00



SET BUILDERS' ACCESSORIES

Litz Wire
 Consists of 20 strands of No. 38 enameled wire twisted and covered with double silk. The correct wire for low-loss inductance coils. Approx. 120 ft. to Coil. Shpg. wt. 1 lb.
4Q16214—Your Cost 25¢
 Per Spool

Morris Universal Coil Winder
 This handy machine will wind Honey Comb, Spiderweb, or Solenoid coils of various widths and diameters, from any gauge wire in general use for coils. An ideal machine for experimenters and amateurs for the purpose of fabricating coils to special specifications. Does a neat, workmanlike job equal in appearance to factory made coils. Includes all accessories necessary for winding the various types. Has recorder and indicator that counts turns. Black enamel finish. Shpg. Wt., 6 lbs.
4P14725—List, \$7.50 4.40
 Your Cost Each

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-inch lengths.
4Q15960—05¢
 Per Length
 12 Lengths
 Shpg. Wt., 6 oz. ... **50¢**

BELDEN Shielding
 Tinned copper shielding for "B" battery leads, speaker leads, lead-ins, and various connections in the radio chassis. Solders easily.
4Q16214—Inside diameter 13/64 in. 4¢
 Your Cost, per ft.
4Q16215—Inside diameter 1/8 in. 6¢
 Your Cost, per ft.
4Q16216—Inside diameter 25/32 in. 9¢
 Your Cost, per ft.

SOLDERING PASTE
 The quickest acting paste on the market, put up in a convenient collapsible tube with projecting tip. Outlasts other pastes two to one. Will solder where others fail. Shpg. Wt., 8 Oz.
4P14873—Your Cost 15¢
 Lots of 12 tubes. **1.65**
 Your Cost

KESTER SOLDER
 Approved by all leading radio engineers. Makes low loss joints. Each tin contains a coil of rosin in solder. Will not spatter.
4P14857—Per tin. Shpg. Wt. 8 oz. 15¢
 List \$0.25. Your Cost
 Display carton of 10 tins. Shpg. **1.40**
 Wt. 3 lbs. List \$2.50. Your Cost

PITCH
 This pitch is specially treated for low melting point, making its use very simple. Put up in two sizes.
4P14864—Shpg. Wt. 3 lbs., for 14 ounce can. Your Cost. 33¢
4P14865—Shpg. Wt. 12 lbs., for 1 gallon can. Your Cost. 1.12

SOLDERALL
 An amazing preparation which solders all metals, except aluminum. Comes in handy tube.
4P14860—Single tubes. Shpg. 7¢
 Wt. 4 oz. Your Cost
4P14861—Display box of 24 tubes. Shpg. Wt. 4 lbs. 1.45
 Your Cost

Kester Solder 1-lb. Spool
 Servicemen and mechanics buy their solder in 1 and 5 lb. spools, as it is more economical.
4P14858—Shpg. Wt. 2 lbs. for 1 lb. spool 42¢
 Your Cost
4P14859—Shpg. Wt. 6 lbs. for 5 lb. spool. Your Cost 1.90

FRICTION TAPE
 The best quality tape with plenty of live friction rubber. Equally well suited to Radio, automobile electrical or household use. Kept fresh by wrapping of tin foil.
4P14829—2 oz. roll. 5¢
 Each
10 rolls for .45¢
4P14842—4 oz. roll. 8¢
 Each
10 rolls for .75¢
4P14843—8 oz. roll. 15¢
 Each
10 rolls for \$1.39

PLASTIC SOLDER
 An Amazing Discovery
 Mends leaky kettles, pots, pans, water pipes, glass-ware, etc. Sticks to anything: Wood, concrete, marble, iron, fabric or glass. No tools necessary to use; simply smooth on direct from the tube. Saves many dollars in plumbing and garage bills. Unexcelled for radiators and leaky plumbing. Handy collapsible tubes. Shpg. Wt., 8 Oz.
4P14875—18¢
 Your Cost, Each
 Display box of 12 tubes. Shpg. Wt., 4 Lbs. **\$2.10**
 Your Cost

PEERLESS FLUX
 A non-corrosive flux for quick soldering. Can contains 2 oz. Shpg. Wt. 8 oz.
4P14862—10¢
 Your Cost
4P14863—One dozen cans. Shpg. Wt. 3 lbs. 1.00
 Your Cost ..

Panel Engraving
 We can furnish engraved Rubber or Bakelite Panels with any special engraving desired—Furnish us panel layout for quotation.

COLD SOLDER Solders Aluminum
 Repairs Aluminum metalware, Radios, Radiators, gas and water lines, cylinder heads, water jackets, oil and gas lines, milk cans, etc. No heat necessary, simply apply a small quantity with a stick to the joint and let harden 20 or 30 minutes. Not affected by heat or acid. Bottle contains 1/4 Oz. Shpg. Wt., 2 Lbs.
4P14876—Per Bottle. 16¢
 Per Dozen **\$1.80**

ANGLE BRACKETS
 Brass, nickel plated. Width 3/8 inch.

Stock No.	No.	Size Net, per Pr.
4P14895	1	1/2x1/2 In. \$0.2
4P14896	3	3/8x3/8 .04
4P14897	5	1x1 .06
4P14898	6	1 1/2x1 1/2 .07
4P14899	7	1 1/2x2 1/2 .10
4P14900	10	1/2x2 1/2 .09
4P14901	11	3/4 high .04
4P14902	15	3 in. long .07
4P14903	23	1/2x1 1/2 .07
4P14904	24	1/2x3/4 .04

1"x8 1/2" BRACKET
 An ideal bracket for receivers using box or large shielding, or large audio frequency transformers. Leaves enough clearance underneath the sub-panel for average by-pass or fixed condenser. Will accommodate any sub-panel up to 9 inches in width. Aluminum construction. Shpg. Wt. 1 lb.
4P14906—24¢
 Your Cost per pair

BUS WIRE
 Round, Tinned Copper, 2 ft. Lgths.
SIZE 14
4Q15965—10 Lgths. 100 Lgths. \$1.41
 Your Cost 16c
SIZE 12
4Q15966—10 Lgths. 100 Lgths. \$2.05
 Your Cost 26c
 Shpg. Wt., lbs. 1 8

Bakelite Tubing
 Best quality. Wall 1/8 inch thick.
4M13150 1 In. Dia. Net per inch .80
4M13151 1 1/2 " " " 07¢
4M13152 2 " " " "
4M13153 2 1/2 " " " "
4M13154 3 " " " "

Sub-Panel Brackets
 This type designed to accommodate transformers or large by-pass condensers beneath the sub-panel. Also ideal for midjet set construction. Rigidly constructed of hard aluminum. Size 2 1/2 inches high, 6 3/4 inches long. Shpg. Wt. per pair, 1 lb.
4P14905—Net per pair. 24¢

2 In. x 9 In. Bracket
 An improved sub-panel bracket with cutout corners that will fit any type of cabinet. Aluminum construction. Shpg. Wt. per pair, 4 lbs.
4P14907—36¢
 Your Cost per pair

SHEET ALUMINUM
 Best grade 1/8 inch thick. Specially made for radio work. Non-magnetic.

4W19660	7x10 In.	Net, \$	49
4W19661	7x12	.55	
4W19662	7x14	.65	
4W19663	7x16	.80	
4W19664	7x18	.80	
4W19665	7x21	.95	
4W19666	7x24	1.10	

 Odd sizes \$1.25 per Sq. Ft.

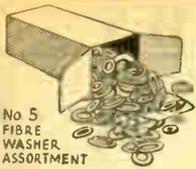
RUBBER AND BAKELITE PANELS
 Made especially for Radio Panels. Color, black. Thickness 1/8 in. First quality guaranteed. If size required is not listed we can cut SPECIAL SIZE PANELS at 1 3/4¢ per square inch for rubber and 2 1/4¢ per square inch for Bakelite. Special size panels will not be shipped C.O.D.

HARD RUBBER		BAKELITE	
Stock No.	Your Cost	Size Inches	Stock No. Your Cost
4W19630	.63	7x10	4W19600 \$.20
4W19631	.79	7x12	4W19601 1.20
4W19632	.79	7x14	4W19602 1.45
4W19633	.98	7x18	4W19603 1.85
4W19634	1.16	7x21	4W19604 2.20
4W19635	1.33	7x24	4W19605 2.45
4W19636	1.46	7x26	4W19606 2.70
4W19637	1.59	7x28	4W19607 2.95
4W19638	1.71	7x30	4W19608 3.12

Aluminum Shielding Cans
 Shipped knocked down. Corner posts drilled for 6/32 screws. 1/8 inch stock.

4M13250	5x5x6 In.	Each \$1.62
4M13251	9x5x6 "	Each 1.76
4M13252	6x6x6 "	Each 2.06
4M13253	8x8x6 "	Each 2.35
4M13254	19x8x6 "	Each 2.65

SMALL HARDWARE



No 5 FIBRE WASHER ASSORTMENT

FIBRE WASHERS

A handy assortment for the service kit. Contains various sizes of both shouldered and plain fibre washers in cardboard box. 100 pieces. Shpg. Wt., 8 oz.

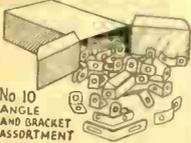
4P14832—Your Cost per box..... 25¢

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. An ideal assortment for set builder and experimenter. Shpg. Wt., 1 lb.

2P14803—Your Cost, Each..... 95¢

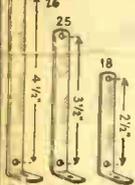


No 10 ANGLE AND BRACKET ASSORTMENT

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.

1P14838—Your Cost Ea., 25¢



Transformer Brackets for Audio and Power Transformers

Each assortment contains 12 Oval Head Machine Screws, 12 Nuts and 12 Washers. Brass nickel plated. Shpg. Wt., 6 ounces.

Types. Center-to-center dimensions given in illustration.
4P14839—No. 18 20¢
4P14840—No. 25 30¢
4P14841—No. 26 40¢

DIAL ILLUMINATORS

Upright Clip Mount

4F6475—Your Cost Ea. 6¢
Per Dozen..... 60¢



Rubber Grommet Type

4F6476—Your Cost Ea. 8¢
Per Dozen..... 85¢



YAXLEY Insulated Tip Jack

Bakelite Cap. Red and black for Pos. and Neg. Phone tip nests all the way in jack. Mounts in 1/4 inch hole. Shpg. Wt., 2 oz.

4F6467—Per Pair..... 15¢



YAXLEY PUP PLUG

Fits PUP Jack below at right. Knurled handle. Nickel plated brass. Shpg. Wt., 2 oz.

4F6456—Each..... 05¢
Per Doz..... 50¢



NATIONAL S.G. CLIP

Makes a positive grip on tube cap. **N14434—Each..... 6¢**
12 for..... 60¢



PUP JACK

Ideal for speaker connections and battery leads. Mounts 1/4 inch hole. Shpg. Wt., 2 oz.

4F6455—Each..... 6¢



Screen-Grid Clip

Manufacturers type. Brass, tinned for easy soldering. Shpg. Wt., 6 oz.

4P14827—Per Dozen..... 15¢
Per Gross..... \$1.50



Phone Jack

Nickel plated brass. Has taut spring that makes positive connection. Tinned lug for attaching wire. Shpg. Wt., 2 oz.

4P14883—Each..... 05¢
Per Dozen..... 50¢



Machine Screw Nut & Washer Assortments

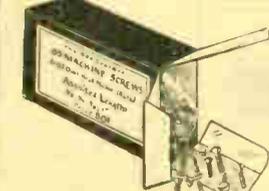
Each assortment contains 12 Oval Head Machine Screws, 12 Nuts and 12 Washers. Brass nickel plated. Shpg. Wt., 6 ounces.

2P14800—6 32 x 1/2 inch. Your Cost per box..... 10¢
2P14801—6 32 x 3/4 inch. Your Cost per box..... 10¢
2P14802—6 32 x 1 inch. Your Cost per box..... 10¢



A big assortment for the Serviceman. Over 1200 assorted screws, nuts, washers, eyelets, lugs, brackets, etc. (3 1/2 pounds). Something of everything in the way of these small parts used in the radio receiver. An indispensable and economical assortment that no Serviceman can afford to be without. Shpg. Wt., 5 pounds.

4P14834—Your Cost..... 95¢



Machine & Wood Screw Assortments

Each assortment contains 85 6/32 screws assorted as follows:

30—3/8 In. 10—3/4 In.
 20—1/2 In. 10—1 In.
 15—5/8 In.

Round, Flat or Oval Heads

4P14835—Round Head
4P14836—Flat Head
4P14837—Oval Head

Your Cost, either kind..... **25¢**
100 Pc. Screw Ass't.

Contains 100 assorted Round Head Machine Screws, Nuts and Washers, size 6/32.

4P14847—Your Cost..... 27¢

Wood Screw Ass't.

Contains 85 nickel plated round, oval and flat head wood screws assorted sizes. Shpg. Wt., 1 lb

4P14833—Your Cost..... 25¢



Tinned Brass Lugs

All have No. 8 hole which will fit either No. 6 or 8 screws.
Shpg. Wt., 6 oz.
4P14812—Style No. 1 Per 100..... 19¢
4P14813—Style No. 2 Per 100..... 19¢
4P14814—Style No. 3 Solderless. Per 100..... 19¢
4P14816—Style No. 4 3/8 In. Long. Per 100..... 19¢
4P14818—Style No. 5 1/2 In. Long. Per 100..... 19¢



PHONE TIPS

Solderless type. Insert wire screw up knurled sleeve and connection is made. Brass nickel plated. Shpg. Wt., 2 oz.

4P14880—Each..... 05¢
Per Dozen..... 50¢

Regular Type

Nickel plated brass. **4P14881—Per Dozen..... 7¢**
Per Gross..... 70¢

EASY SOLDER TYPE

Insert wire, drop solder in hole. Brass, nickel plated. Shpg. Wt., 6 oz.

4P14882—Per Doz. 10¢

SPECIAL WASHER ASSORTMENT

Contains 200 pieces of assorted fibre washers, metal washers, asbestos washers and eyelets. The most handy sizes for the serviceman and household use. The best grade of material used. Shpg. Wt., 1 lb.

4P14846—Your Cost per box..... 25¢

FAHNESTOCK CLIPS

4P14823—Single 3/4-inch. Your Cost per Doz..... 12¢
4P14824—Single 1-inch. Your Cost per Doz..... 15¢
4P14825—Twin 1 1/2 inches long. Your Cost per Doz..... 29¢
4P14826—Twin 1 3/4 inches long. Your Cost per Doz..... 30¢



MACHINE SCREWS

Stock No.	Length	Doz.	Gross
6/32 ROUND HEAD			
2P14750	3/8 Inch	3c	32c
2P14751	1/2 "	4c	42c
2P14752	3/4 "	5c	55c
2P14753	1 "	6c	65c
2P14754	1 1/4 "	8c	90c
8/32 ROUND HEAD			
2P14755	1/2 Inch	5c	55c
2P14756	3/4 "	6c	65c
6/32 FLAT HEAD MACHINE SCREWS			
2P14760	3/8 Inch	3c	32c
2P14761	1/2 "	4c	42c
2P14762	3/4 "	5c	55c
2P14763	1 "	6c	65c
2P14764	1 1/4 "	8c	90c
6/32 OVAL HEAD MACHINE SCREWS			
2P14770	3/8 Inch	3c	32c
2P14771	1/2 "	4c	42c
2P14772	3/4 "	5c	55c
2P14773	1 "	6c	65c
2P14774	1 1/4 "	8c	90c

NICKEL PLATED BRASS NUTS, SCREWS and WASHERS



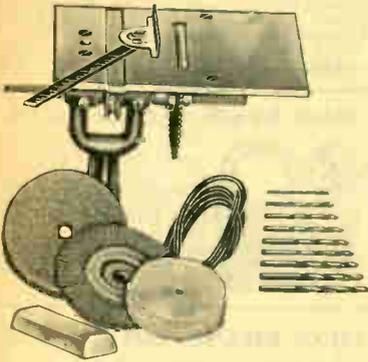
N.P. BRASS WOOD SCREWS Round Head

Stock No.	Size	Length	Doz.	Gr.
2P14780	4	3/8 Inch	5c	50c
2P14781	5	1/2 "	5c	54c
2P14782	5	3/4 "	6c	70c
2P14783	5	1 "	8c	90c
Oval Head				
2P14790	4	3/8 Inch	5c	50c
2P14791	5	1/2 "	5c	54c
2P14792	5	3/4 "	6c	70c
2P14793	5	1 "	8c	90c
Flat Head				
2P14796	4	3/8 Inch	5c	50c
2P14797	5	1/2 "	5c	54c
2P14798	5	3/4 "	6c	70c
2P14799	5	1 "	8c	90c

HEX NUTS, KNURLED NUTS and WASHERS

N.P. Brass			
2P14804	6/32 x 1/4 in. Hex Nuts.	Envelope of 20; Net.....	5¢
		Per 100	20¢
2P14805	8/32 x 1/4 in. Hex Nuts.	Envelope of 20; Net.....	5¢
		Per 100	20¢
2P14806	6/32 x 5/16 in. Hex Nuts.	Envelope of 15; Net.....	5¢
		Per 100	25¢
2P14807	8/32 x 5/16 in. Hex Nuts.	Envelope of 15; Net.....	5¢
		Per 100	25¢
2P14808	6/32 x 3/4 inch Knurled Nuts.	Envelope of 6; Net.....	5¢
		Per 100	75¢
2P14809	No. 6 Washers.	Envelope of 25; Net.....	5¢
		Per 100	20¢
2P14810	No. 8 Washers.	Envelope of 25; Net.....	5¢
		Per 100	20¢

17 Piece POLISHING HEAD OUTFIT



Set consists of a polishing head with 3 jaw chuck holding drills up to 1/4 in., 4-in. circular saw, saw table complete with guide, size 8x8 in., 5 ft. of round belt, buffing compound, 4-in. wire brush, 3-in. cotton buffer, 1/2 in. by 4-in. grinding wheel and set of 9 twist drills, size 1/8 to 3/8 in. Polishing head has two speed pulleys. An ideal small outfit for home shop or garage. No one who works with tools should be without this set. Shpg. Wt., 8 lbs.

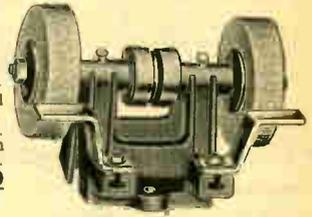
P14746—List, \$6.50. **\$3.10**
Your Cost Complete.....

GOOD TOOLS PRICED LOW

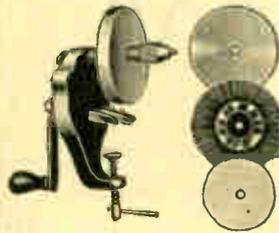
DOUBLE BENCH GRINDER

Cast frame finished in red enamel with 3 mounting holes. 1 3/4 in. bearings with spring cover oil cups. Shaft 1/2 in. in diameter x 8 1/2 ins. long. Pulley 1 1/2 ins. in diameter for round or flat belts. Wheels 4 ins. in diameter and 1 in. wide. Each wheel has separate adjustable guide. Shpg. Wt., 10 lbs. **\$2.69**

2P14738—List, \$5.00. Your Cost.....



G. M. CO. COMBINATION BENCH OUTFIT



A complete clamp-to-bench outfit with a 10 to 1 gear ratio consisting of a grinding wheel, 4 ins. in diameter and 1/2 in. wide, steel chuck for twist drills up to 1/4 in., 4 in. circular saw, 4 in. buffing wheel and wire brush. This outfit has a great number of uses around the home and workshop. Sharpens knives, drills; cuts radio panels, tubing and wood; drills holes in chassis and panels; buffs radio knobs, silverware and has many other uses. Vise handle bench clamp will fit all size tables up to 1 1/2 ins. in thickness. Adjustable steel grinding and polishing guide. Has 2-in. spindle bearing with oil fitting at top. Body finished in red enamel. All working parts polished. Shpg. Wt., 8 lbs. **\$1.95**

2P14744—List, \$4.00. Your Cost.....

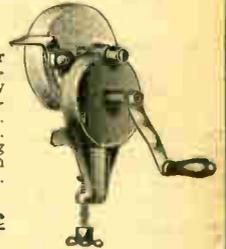
G. M. CO. ELECTRIC HAND DRILL



A sturdy 1/4-in. hand drill with GENERAL ELECTRIC A.C.-D.C. MOTOR and BALL THRUST BEARING in spindle. Special anti-friction bearing on armature shaft. Genuine Almond 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. Use high-speed drill bits. P14726—List, \$25.00. Your Cost, Each **\$14.85**

MARVEL GRINDER



A dependable clamp-to-bench grinder which will be very useful in the workshop, home and garage. Will fit any bench up to 1 1/2 ins. in thickness. Grinding wheel is 4 ins. in diameter and 1 in. wide. Adjustable steel grinding guide. Has dirt proof gear case with extra long bearing which assures gears being in alignment and a true running wheel. Shpg. Wt., 6 lbs.

2P14729—List, \$2.00. **90¢**
Your Cost

TWO SPEED BREAST DRILL



A sturdy tool made to stand the gaff of heavy duty. Two speeds changed instantly by removing a thumb nut and moving driving wheel. Closely machined gears. Large handles for firm and comfortable grip. Three jaw chuck takes all round shank drills up to 1/2 in. Gear ratios 1:3 and 1:5. Length overall 17 ins. Shpg. Wt., 8 lbs.

2P14993—List, \$2.10
Your Cost Each

AUTOMATIC FEED BENCH DRILLS

Small Size

The finest tool for the money we have ever offered. Feed is entirely automatic, self adjusting to the cutting speed by means tension screw. Clutch maintains a drilling pressure just sufficient for maximum drilling speed without breaking bit. All working parts suspended on polished rod which allows drill to be raised or lowered. 1/4 in. chuck. Overall height 9 3/4 ins. This is a finely finished and efficient tool we recommend to all radio men. Shpg. Wt., 7 lbs. P14913—List, \$1.65
Your Cost, Each



Larger Size

This heavy-duty Bench Drill is identical with the smaller Drill except that it has an overall height of 13 1/4 ins. and a 3/8 in. chuck. Recommended for use in shops where heavier materials must be worked. Clutch engages wheel at top which rotates when pressure on drill becomes too great. This compensating feature not only insures maximum drilling speed but also protects drills. A screw permits adjustment for working on various kinds of stock. P14914—List, \$3.25
Your Cost

CARBON STEEL Twist Drills

For use in hand, automatic or breast drills; not suitable for electric drills. Assortment of 9 drills, sizes 1/16 to 3/8 in. Wrapped in heavy paper. Good steel and fast cutting. P14948—Your Cost..... **33¢**

The above 9-drill assortment in wooden box. P14931—Your Cost..... **36¢**

Big assortment of 60 Carbon Drills in wire gauge, sizes 1 to 60. Put up in heavy brown paper. Shpg. Wt., 1 lb. P14932—Your Cost..... **\$1.59**

G. M. Co. Hand Drills



Finely machined hand drills with 3/8-inch hardened chuck jaws. Accurately meshed gears. Polished hollow handle for storing drills. A much needed tool on the radio work bench. Shpg. Wt., 2 lbs. P14723—With side knob. **79¢**

List, \$2.00
Your Cost

P14724—Without side knob. List, \$1.50
Your Cost



MOTOR DRIVEN BUFFER AND GRINDER

Not a toy, but a real electric motor driven buffer and grinder for the workshop with a pulley on each end of motor shaft for driving other apparatus. High speed 1/50 h.p. motor, revolves 5000 R.P.M. On and off toggle switch on end of motor. Does work in a few minutes that otherwise would take several hours. Grinds, sharpens, polishes and drives other tools. Mounted on a strong cast base with four mounting holes. Complete with high grade grinding wheel, buffer and two pulleys. Equipped with durable cord and attachment plug. Shpg. Wt., 9 lbs.

2P14872—List, \$12.00.
Your Cost

\$6.95 NET

High Speed Drills

Made of the finest steel; fast cutting and accurate in size. Made for use in electric drills. Nine drills in heavy brown paper wrapper; sizes 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64 and 3/16 in. Shpg. Wt., 1 lb. P14933—Your Cost, **\$2.39**
Per Set of 9.....

Tinner's Snips



Drop-forged. 7 In. long. 2-in. blade. Polished blade, red enameled handle. Shpg. Wt., 1 lb.

P14920—**49¢**
Your Cost..

GENUINE

Mr. Service Man: You owe it to yourself to own at least two good pairs of Pliers—Diagonal Cutting and Long Nose. In offering these Genuine Kraeuter Pliers to our Customers we guarantee them to be the finest that money can buy—they are the kind that last a lifetime and their quality will be remembered long after the price has been forgotten.



PLIERS

DIAGONAL CUTTING
The cutting jaws of this Plier come together so perfectly that no daylight can be seen between them; "They cut the insulation as well as the wire."
Length, 5½ Ins. **\$1.20**
P14944—Per Pair..

LONG NOSE
A truly fine tool with a side cutting blade that is sharp, and will stay so. Length, 6½ Ins. **\$1.60**
P14945—Per Pair..

PECTO Lineman PLIERS



A very heavy tool, hardened jaws and cutters. Length, 8 Ins. Shpg. Wt., 2 Lbs. **4P14959—Your Cost Each 75¢**

SLIP JOINT PLIERS

Drop forged steel, bright finish. A good side cutting jaw that will cut the insulation as well as the wire. Corrugated opening for handling nuts. Slip joint for various sizes. Length, 6½ Ins. Shpg. Wt., 1 Lb. **4P14958—Your Cost Each 35¢**



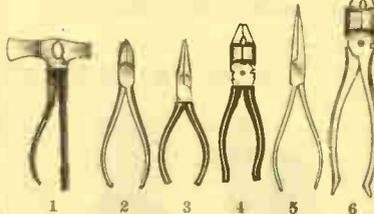
PRICES REDUCED!

GENUINE BERNARD PLIERS

High powered side cutting pliers with open throat. Can also be used as gas pliers. Length 5½ in. Shpg. Wt. 1 lb. **2P14960—Your Cost 49¢**
Parallel jaw pliers. Inside jaws are corrugated with a center groove to hold all round objects, such as drills, brads, screws, etc. Shpg. Wt. 1 lb. **2P14961—Length 5 in. Your Cost 49¢**
2P14962—Length 7 in. Your Cost 49¢
These round nose pliers are very handy for forming loops in wire, bus bar and light metal. Shpg. Wt., 1 lb. **2P14963—Length 5 in. Your Cost 49¢**
2P14964—Length 6 in. Your Cost 49¢



COMBINATION TOOL AND PLIERS



NO. 1—A combination tool consisting of two tooth jaws for gripping round objects, two wire cutters, hammer, hatchet, tack puller and screw driver. A handy tool around the home and workshop. Shpg. Wt., 1 lb. **2P14924—List \$1.00. Your Cost 35¢**

NO. 2—Diagonal cutting pliers of drop forged steel, fully polished. Case hardened jaws. Length 5½ in. Shpg. Wt. 1 lb. **2P14925—List \$0.75. Your Cost 39¢**

NO. 3—Telephone pliers. Length 5½ in., long nose with side cutter. Drop forged steel with case hardened jaws, fully polished. Shpg. Wt., 1 lb. **2P14926—List \$0.75. Your Cost 39¢**

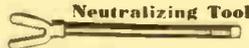
NO. 4—Combination pliers with 5000 volt insulated handle. A very fine pair of pliers of high grade material and workmanship. Length 6½ in. Shpg. Wt., 1 lb. **2P14927—List \$0.90. Your Cost 42¢**

NO. 5—Extra long reach, flat nose pliers with lap joint. Length 7¼ in., width at end of jaws ¾ in. A handy tool for reaching deep, narrow places. Shpg. Wt. 1 lb. **2P14928—List \$1.00. Your Cost 57¢**

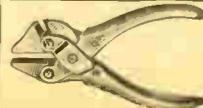
NO. 6—Combined side cutting and burners pliers, fully polished. Length 8 inches. For mechanics, plumbers and gas fitters. It has three wire cutters and the handles can be used as screw driver and reamer respectively. Shpg. Wt. 1 lb. **2P14929—List \$1.00. Your Cost 49¢**

NEUTRALIZING TOOL

Carried in the pocket like a fountain pen—has clip for pocket. ¼-inch nut wrench with key slot and neutralizing screwdriver on removable inside rod; 5/16-inch nut wrench in one end of outside barrel. Made of durable non-conductive material that will stand hard usage. Shpg. Wt., 8 Oz. List, \$1.50. **4P14915—Your Cost Each 54¢**



One end is equipped with proper screw driver for neutralizing, and the other with toothed wrench for tightening all small nuts. Shpg. Wt., 8 Oz. List, 75c. **2P14921—Your Cost 44¢**



PARALLEL ACTION CUTTING PLIERS

A high grade nickel plated, parallel action Plier with external cutting jaw. Great leverage arrangement permits cutting of hard wire with comparatively little pressure. Length 5 In. Shpg. Wt., 1 Lb. **P14894—Your Cost Each 69¢**

MYSTIC Keyless Lock

Solid one-piece brass body. Nickel plated. 1900 combinations; changed at will. Opened in dark by feel. A mystery that stops all but the owner. Complete with 10 combination wheels. Shpg. Wt., 1 Lb. **4P14844—Your Cost Each 59¢**



High Grade Cylinder Lock

Solid one piece die cast case with hardened shackle. Rust proof throughout. Disc tumbler cylinder mechanism. Size 2¾x1½ ins. Shpg. Wt., 8 oz. **2P14892—List 39¢**
5c. Your Cost 39¢



LONG SHANK LOCK

Case - hardened shank with 2-in. loop, nickel plated; red enamel body. 2 keys. A very good lock for tire or similar uses where long reach is needed. Shpg. Wt., 8 Oz. **4P14845—Your Cost 14¢**



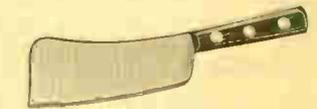
SIX-LEVER PADLOCK

Brass plated steel case with red enameled front plate. Size 2¾ x 2 ins. Six lever construction lock and 2 keys. Shpg. Wt. 8 oz. **2P14893—List 12¢**
25c. Your Cost 12¢



HOUSEHOLD SCALES

No home should be without a scale—here are three very inexpensive ones which are accurate. Steel spring and indicator. Brass face. Japanned body. Complete with ring and hook. Shpg. Wt., 1 pound.
Capacity 25 pounds. **4P14983—Each 9¢**
Per Dozen 95c
Capacity 40 pounds. **4P14984—Each 13¢**
Per Dozen \$1.25
Capacity 50 pounds. **4P14985—Each 19¢**
Per Dozen \$2.05



HOUSEHOLD CLEAVER

Hand forged carbon steel; varnished hardwood handle firmly fastened with three brass rivets. Blade 7 In. Shpg. Wt., 2 Lbs. **4P14702—Your Cost Each 49¢**

RADIO TOOL SET



\$1.95

Contains ten practical tools which are in most general use for radio servicing—3-inch screwdriver, 5-inch screwdriver, scriber, reamer, countersink, pliers, center-punch, socket wrench set for hex and knurled nuts, and 3 wrenches for hex nuts. Packed in attractive box. Shpg. Wt., 2 Lbs. List, \$3.00. **4P14908—Your Cost 1.95**

EDELMAN Grease and Oil Gun

A practical, rapid working brass gun for either grease or oil. Barrel is of sufficient capacity so that constant re-loading is not necessary. Double cup leather washer plunger so constructed that heavy grease can be forced out quickly. Plunger has lock nut that changes over from spiral screw action to pump action for light oil, in a moment. Removable rigid spout. Length of barrel 9½ Ins. Length of spout 12¼ Ins. Shpg. Wt., 3½ Lbs. **4P14703—Your Cost Each 69¢**



SCREW DRIVERS, PUSH DRILLS & WRENCHES

Holds, Starts, Sets any Size Screw.



Tool Steel Blade Long Maple Handle

The most practical Screw driver ever developed. Has gripper which automatically stays at any point on shank. May be used for screw gripping Screw driver to start screws in all difficult places, or may be used as ordinary Screw driver. Made of finest material; each blade, specially tempered entire length, of springy hexagon tool steel. Hard maple handle of good length. Slender type for radio work. Shpg. Wt., 1 lb.
4P14721—Blade 4x $\frac{3}{8}$ in. List, 50c. 33c
 Your Cost, Each.
4P14722—Blade 10x $\frac{3}{8}$ in. List, 60c. 39c
 Your Cost, Each.

RADIO SCREW DRIVERS
 Assortment of three different Sizes



One dozen screw drivers put up on counter display card in equally assorted blade lengths of 1 in., 2 in. and 3 in. Black handle with nickel plated blade and ferrule. Blade is carefully hardened and tempered. Shpg. Wt., 2 lbs.
2P14740—Per Card of 12. List \$1.20. 49c
 Your Cost
2P14741—Set of 3, Assorted sizes. 15c
 Shpg. Wt., 8 oz. List \$0.30. Your Cost

7 Piece Kit

A practical kit for shop or car. Seven tools: 10 oz. Ball Peen Hammer, 9 in. Monkey Wrench, 6 in. Comb'n Plier, 3-in. Screw driver, 2 Double-end Wrenches, $\frac{3}{8}$ in. Cold Chisel and Drawstring Bag. Shpg. Wt., 5 lbs. **78c**
4P14941—Your Cost.....



WRENCH SET

Here's a handy little item for your tool kit. 10 in. 1 slot-lock wrench set that will take all medium size nuts in general use, either square or hex. When wrench is not in use they are locked in compact bundle by the handy clip. Shpg. Wt., 1 lb.
4P14732—List, 70c 35c
 Net

RATCHET SCREW DRIVER

Tool steel blade. Nickel plated ferrule, hardwood handle. Has 3 position ratchet adjustment that allows operation to right or left or holds blade rigid. Shpg. Wt. 1 lb.

Stock No.	Blade Length	Net
2P14969	3 In.	45c
2P14970	5 In.	50c
2P14971	6 In.	55c

GENERAL PURPOSE SCREW DRIVER

Forged steel blade. Black hardwood handle. An exceptionally good tool for the money.
2P14973—7-32x3 in. 10c
 blade. Each
2P14972—5-16x5 $\frac{1}{2}$ in. 15c
 Shpg. Wt., 1 lb. Each

RADIO SOCKET WRENCHES



All Steel Set
 This set will stand the hardest usage. Five interchangeable sockets: $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{4}$ in. and Screw driver bit. Cadmium plated. Knurled handle. Sockets easy to remove, yet will not loosen while working. Shpg. Wt., 1 lb.
4P14749—Your Cost... 45c



Fixed Socket Set
 Sockets are welded to shaft. Three tools to the set. Sockets: $\frac{3}{8}$ in. (No. 5), $\frac{1}{2}$ in. (No. 5 $\frac{1}{2}$), and $\frac{3}{4}$ in. (No. 6). Hardened steel shafts and sockets, black hardwood handles. Shpg. Wt., 1 lb.
4P14745—Per Set.... 27c

GOODSELL-PRATT

Goodsell-Pratt quality. Set consists of handle with polished steel grip and mahogany finished grip, three hex sockets size $\frac{3}{8}$ in., $\frac{1}{2}$ in., and $\frac{3}{4}$ in., and a four jaw socket for handling knurled nuts. Metal parts of case hardened steel. Sockets slip on easily and are held firm by means of improved catch. Shpg. Wt., 1 lb.
4P14748—Your Cost, 75c
 Per Set

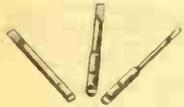
WRENCH SET

GOODSELL-PRATT RADIO SCREW DRIVER

Sometimes known as a Jewelers' screw driver. Has long slender blade especially suitable for radio work. Small enough at end to use for removing set screws from radio knobs. Hammer forged blade, nickel ferrule. Hardwood handle. Length of blade 3 inches. A very fine quality tool throughout. Shpg. Wt. 8 oz.
2P14948— 21c
 Your Cost Each

ALLIGATOR WRENCH

Drop forged steel. For square or hex nuts $\frac{1}{4}$ -inch to 1 $\frac{1}{2}$ -inch. Has three die openings in center sizes $\frac{5}{8}$ -inch, $\frac{3}{4}$ -inch and $\frac{1}{2}$ -inch. Length 8 inches. Shpg. Wt., 1 $\frac{1}{2}$ lbs.
2P14937—Your Cost Each 49c



Screw Driver Bits

Round Shank for $\frac{1}{4}$ in. Chucks. 3 blades to set: $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ in. Shpg. Wt., 8 oz.
4P14946— 39c
 Your Cost



Ratchet Screw Driver
 A heavy duty tool, with reversing and locking adjustment. Best quality steel; nickel plated. Mahogany finished hardwood handle. Has two blades different in size. Shpg. Wt., 2 lbs.
4P14742—Your Cost..... \$1.59



GOODSELL-PRATT Ratchet Screw Driver
 Can be used as automatic Screw driver or the ratchet can be locked, for use as plain screw driver. Simple in construction but strong and durable. The handle is lacquered hardwood, polished steel parts. Supplied with two interchangeable blades, hardened, tempered and polished. Length closed without blade, 9 $\frac{1}{2}$ inches. Shpg. Wt., 2 lbs.
4P14720—Your Cost, Each... 95c



TRUTEST Ratchet Screw Driver
 May be used as ratchet screw driver to drive screws or locked and used as regular screw driver to drive and draw screws. Mahogany finished hardwood handle. Polished metal parts. Length over all 9 inches. Shpg. Wt., 2 lbs.
4P14719— 33c
 Your Cost, Each



AUTOMATIC PUSH DRILL
 Made of best quality steel, fully hardened and nickel plated. Extra heavy spring, released by turn of knob at top of handle. Handle contains 8 drill points sizes 1-16 to 11-64 in. each in a separate compartment. Shpg. Wt., 2 lbs.
2P14930—List, \$2.50. Net... \$1.15



CRESCENT Pattern Wrench
 Angle head and thin jaws. Takes square or hex nuts. Length 6 in. Opens to $\frac{1}{2}$ in. Forged tool steel, polished jaws. Shpg. Wt., 1 lb.
4P14957— 31c
 Your Cost



"STIX-ON" WRENCH
 A patented wrench that fits all nuts from $\frac{3}{8}$ to $\frac{1}{2}$ in. Jaw swings open to take nut, pressure on handle produces vise-like grip. Tempered steel construction. Shpg. Wt., 1 lb.
4P14936—Each... 15c

TWO HANDY TOOLS FOR THE SERVICEMAN



SHORT-O-TESTER
 Contains 2 $\frac{1}{2}$ V. lamp and small flashlight battery. Indicates closed or open circuits when its flexible lead and pin terminal are introduced into the circuit. Ideal for testing continuity. May also be used as trouble flashlight. When used with Neon lamp D.C. and A.C. circuits of any voltage may be tested for continuity and approximate strength. Complete with battery and bulb. Shpg. Wt., 1 lb. **\$1.10**
4M12984—List, \$2.00. Your Cost, Each

DETECT-O-LITE

A Neon lamp enclosed in a Bakelite case with two flexible leads. Indicates whether voltage is A.C. or D.C. Detects live and ground side of house wiring systems. Indicates polarity of D.C. voltages between 110 and 550. Shpg. Wt., 8 oz. List, \$1.50.
4M12985— 88c
 Your Cost



DELUXE MODEL
 Similar to the standard model except that leads are longer, removable and instrument enables one to reach hard-to-get-to places. More convenient to use. Shpg. Wt., 1 lb.
4M12986— \$1.18
 Your Cost Each

VICES-SOLDERING IRONS-HACK SAWS-TORCHES



G.M. Co. Bench Vice

A very serviceable vice for the Radio man. Good steel, carefully machined. Finished in red enamel with highly polished jaws and handle. Accurately cut spindle thread. Equipped with vise type clamping handle. Will clamp to board or bench up to 2 ins. thick. Has anvil behind jaw. Made in two sizes.

4P14727—Jaws, 2½ ins. wide. Shpg. Wt., 7 Lbs. **List \$2.00. Your Cost 93¢**

4P14728—Jaws, 3½ ins. wide. Shpg. Wt., 10 Lbs. **List \$3.00. Your Cost \$1.39**



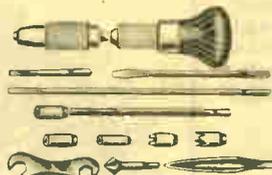
Swivel Vice

Made of high grade cast iron, finished in baked red enamel and polished jaws 2½ inches wide. Has swivel base making it very convenient for all kinds of work. Shpg. Wt., 8 lbs.

2P14731—List, \$3.00 **\$1.35**
Your Cost

GOODSELL-PRATT RADIO TOOL SET

A very high quality set of tools for the radio man. Every tool finely finished and thoroughly dependable. Set consists of: A ratchet tool holder that may be adjusted for either right or left hand motion by a quarter turn of knurled collar, 3 screwdriver blades sizes 8¼x½, 4½x¾ and 2x½ inches; one 6-inch shank for holding sockets, three hex sockets—¾, ¾ and ¾ inch; one wire bender for bus wire, one reamer and one double end hex wrench. Shpg. Wt. 1½ lbs.



4P14995—**\$2.95**
Your Cost complete

HACK SAWS

4P14994

Your **21¢**
Cost

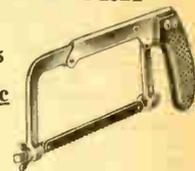


Nickel plated frame, Adjustable 8 to 12 inches complete with one 8 inch blade. Wt., 2 lbs.

PISTOL GRIP

4P148995

Your **35¢**
Cost



For blades up to 12 inches. Enamelled wood handle. Complete with one 8-inch blade. Shpg. Wt., 2½ lbs.

HACKSAW BLADES

Made of Tungsteel. Strictly first quality. Very flexible. Fast cutting and long lived. Fully guaranteed. Shpg. Wt. 1 lb.

2P14966—8-inch per Doz. .25¢
2P14966—10-inch per Doz. .29¢
2P14967—12-inch per Doz. .33¢

JACKSON ELECTRIC SOLDERING IRONS



This is a full size soldering iron, 11 in. in length. Black enamel handle and nickel plated metal case. Removable Tip ¼ in. in dia. 50 watt iron. Shpg. Wt. 2 lbs. **4P14850—List \$1.25. Your Cost 59¢**



A 75 watt soldering iron of exceptional value. Length of iron 12 in. with ¼ in. removable tip. Nickel plated case and black enamel handle. Shpg. Wt. 2 lbs. **4P14851—List \$2.50. Your Cost \$1.15**



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.

4P14874—75 Watt **List \$2.75 Your Cost \$1.45**

4P14853—100 Watt **List \$3.75 Your Cost \$1.95**



220-VOLT IRON

This thoroughly reliable 75 watt iron designed for use on 220 volt A. C. Element is wound on amber, with mica and steel core. Metal parts are nickel plated. Extra large black enameled handle. Complete with heavy duty cord and plug. Shpg. Wt., 2 lbs.

4P14852—List \$3.00 **\$1.50**
Your Cost Each



ESICO "Midget"

The finest 65 watt iron on the market. Accurately machined tip which perfectly fits the heating element. Tip removable. Fine grade A Nichrome element enclosed in heavy gun metal steel case. Element removable. Hardwood handle, walnut finished and varnished. Complete with cord and plug. Shpg. Wt., 2 Lbs. **\$1.30**

P14848—Your Cost



"OUR SPECIAL"

Unquestionably the finest low priced Electric Soldering iron on the market. The heating element is of finest Nichrome wire and is constructed in identically the same manner as most high-priced irons. This tool has two tips of different sizes which makes it especially suitable for the Radio Man's requirements. Polished steel shank, brass Ferrule, black wood handle and full length cord and plug. Consumes 55 watts. Shpg. Wt., 3 Lbs.

4P14849—**79¢**
Our Special Price



"AMERICAN BEAUTY"

America's most famous Soldering Iron. Made for those who want the very best. The very finest materials and workmanship throughout. Metal parts are nickel plated and highly polished. Improved heat-proof handles. Length 12½ in. Full 100 watt rating. Complete with ¾ in. tip and cord. Shpg. Wt., 3 lbs. **\$5.50**

4P14855—Your Cost Each

A smaller "American Beauty" with straight metal case for ease in soldering in corners and tight places. Consumes 50 watts; ¾ in. tip. Shpg. Wt., 2 lbs. **\$3.25**

4P14856—Your Cost Each



ESICO "JUNIOR"

A beautiful craftsman's tool. Extensively used in the United States Navy. Perfect fitting replaceable tips. Grade "A" Nichrome resistance wire heating element, wound on lava insulation and encased in blue steel one piece case. Very quick heating. Maintains constant and even temperature. Handle will never get hot. A quality tool built for years of service. Consumes 85 watts. Shpg. Wt., 2 lbs. List \$2.75

4P14854—**\$1.90**
Your Cost Each

"SPEEDY" Power Sprayer



Offers advantages formerly available only in expensive electric or gas operated machines. Has TWIN SPARK PLUG PUMPS that attach to two cylinders of any four, six or more cylinder auto or truck. Has pulsation chambers which deliver a smooth even stream of air into spray gun. Pressure feed type gun. Seamless aluminum material cup holds one quart material and delivers round or flat spray. 25 ft. air hose furnished. Handles all free flowing finely mixed liquids. Paints autos, furniture, houses better and quicker than with brush. Complete with instructions for operating. Shpg. Wt., 12 Lbs. **\$9.25**

4P14700—Your Cost

"MARVEL" SPRAYER



Similar to the above except that it has one spark plug pump instead of two. Consists of 1 nickel plated spray gun, 1 half pint material jar, 1 spark plug air pump, 2 adapters, 1 compression tank, and 12 ft. high-grade air hose. Shpg. Wt., 6 Lbs.

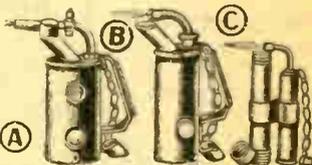
4P14701—**\$2.59**
Your Cost

LENK TORCHES (Automatic)

These alcohol torches are a big favorite with the Radio Man because of their neatness, efficiency and ease of operation. Made of brass nickel plated, highly polished. Entirely automatic.

Type A: Double burner, one for needle point flame, and the attachment for heavy flame. Pressure release valve eliminates sputtering, evaporation and leaks. Cleaning pin in handle. Size 7x4¼x3 in. Shpg. Wt., 4 lbs. List \$5.00 **\$2.95**
4P14866—Your Cost

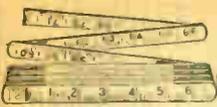
Type B: Almost as large as type A holds enough fuel to burn 3 hours with one filling. Starts in 20 seconds. Ideal for heating soldering iron where no current is available. Size 7x3¼x2 in. Shpg. Wt., 3 lbs. **\$1.78**
4P14867—Your Cost



Type C: A very handy little torch for the tool box. Solid base makes it mechanically leak proof. Screw cap makes loading easy. Nozzle cap prevents evaporation. Copper heat conductor generates quickly. Size 6x2¾x1¼ in. Shpg. Wt., 2 lbs. List \$1.50 **\$0.88¢**
4P14868—Your Cost

Type D: (not illustrated) Same in appearance as Type C; smaller in size. Very suitable for those who have only occasional use for a torch. Size 5¼x2¼x1 in. Shpg. Wt., 2 lbs. List \$1.00 **\$0.59¢**
4P14869—Your Cost Each

6 FT. FOLDING RULE



Made of boxwood, finished in yellow enamel. Metal bound. Length, 6 Ft. Shpg. Wt., 8 Oz. **10¢**
4P14975—Your Cost

STEEL FOLDING RULE

Non-rusting, light weight, non-breakable. Length 6 Ft., divided in 1/16 inch. Big numerals, deep etched. Shpg. Wt., 1 Lb. **55¢**
4P14968—Your Cost Each

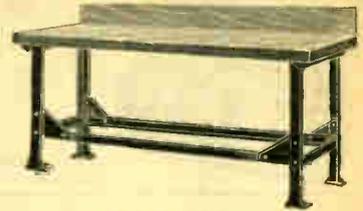


Steel Retracting Pocket Rule

6 Ft., unbreakable spring steel. Pressure on clips causes rule to uncoil automatically; its slightly cupped shape holds rule straight at any angle. Graduated in 1/16 inch and centimeters. Shpg. Wt., 8 Oz. **35¢**
4P14974—Your Cost Each

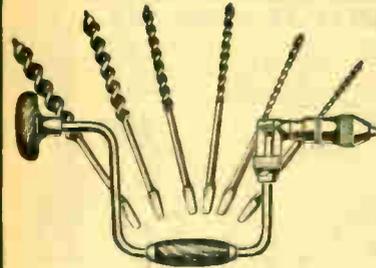


**“LANCO”
WORK BENCH
Strongly Built
for GARAGE,
FACTORY,
SHOP or
HOME
USE**



Sub-structure made of 1½x½ inch Angle-Iron securely Arc Welded for rigidity. Stringers are inverted to allow for nesting in of lower shelf. Fastener plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2-inch kiln-dried Douglas Fir, vertical grain. Size 24 x 60 inch top; 31 inches high. Delivered knocked down. Shpg. Wt., 80 Lbs. **\$9.95**
4P14942—Your Cost Each

**RATCHET BRACE AND
BIT OUTFIT**



Steel brace fully nickel plated with wood knob and handle, finished in mahogany. Has 10-inch sweep, round knurled jaw chuck with spring. Equipped with ring ratchet adjustment. Complete set of 6 James Swan auger bits in a convenient wooden box with slide cover. Finest quality steel bits in the following sizes, ¼ in., ⅜ in., ½ in., ⅝ in., ¾ in. and 1 in. Ratchet brace with above set of bits. Shpg. Wt. 6 lbs. **\$2.59**
2P14735—List \$4.75. Your Cost ..
Ratchet brace only. Shpg. Wt. 4 lbs. **\$1.10**
2P14736—List \$2.00. Your Cost ..

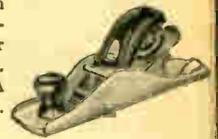


WOOD CHISEL SET

Beveled edges, honed ready to use. 3¼-inch blades. Leather tipped hickory handles. Set of four chisels. Sizes: ¼, ½, ¾ and 1 inch. Shpg. Wt., 2 Lbs. **69¢**
4P14982—Your Cost. Per set of 4 ..

BLOCK PLANE

A 7-inch plane with hardened and tempered steel cutter 1½ inches wide. Adjustable cutter. A real value. Shpg. Wt., 3 lbs. **55¢**
2P14730—List, \$1.25
Your Cost



Pocket Level

Guaranteed accurate. Non-freezing liquid. Nickel plated. Length 2½ inches. Shpg. Wt., 8 Oz. **10¢**
4P14981—Your Cost Each



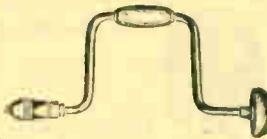
**James Swan
AUGER BITS**

Forged of the highest quality tool steel; bright finish. Bore fast and clean without binding. Double cutters, deep spur. Six bits to set. Sizes: ¼, ⅜, ½, ⅝ and ¾ inch. Wood box. Shpg. Wt., 3 Lbs. **\$1.59**
4P14737—Your Cost



**ECONOMY
BRACE**

Round knurled alligator chuck with heavy spring. Wooden knob and handle, finished in mahogany. All steel parts fully polished. Has 10-inch sweep. Shpg. Wt., 3 lbs. **55¢**
2P14739—List \$1.00. Your Cost



**COLD CHISEL and
PUNCH SET**

Best grade tool steel, machine finish. Set consists of 1¼-inch and 1½-inch Cold Chisel, 2 Punches and 1 Center Punch. Shpg. Wt., 2 Lbs. **33¢**
4P17980—Your Cost



**RATCHET
GIMLET**

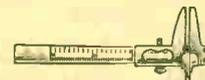
Case hardened steel. Drop forged. Will not rust. Blades interchangeable. Comes equipped with 13/32 inch blade. **21¢**
4P14986—Your Cost

Extra Blades
1/16-inch; 5/16-inch and 3/8-inch. Set of three. **10¢**
4P14987—Your Cost, Per Set



CALIPER RULE

Measures inside and outside diameters up to 3 inches, calibrated in ¼ and ⅛ part of an inch. Has knurled locknut. Shpg. Wt., 8 oz. **10¢**
2P14891—Your Cost



**CARPENTERS
CLAMPS**

Cold rolled steel. Used to hold glued joints while setting. **10¢**
4P14923—1-inch Jaw opening. Each

15¢
3 for

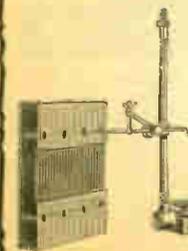
39¢
4P14922—2-inch Jaw opening. Each



SHAUGHNESSY TOOL

**Seven Tools
In One**

An exceptionally good tool which can be used to secure elevations, angles, squares, circles, and place working lines in universal positions. Offered to the trade for less than what you would heretofore pay for a single tool. Seven distinct tools in one—**UNIVERSAL SURFACE GAUGE**: The base of this gauge is universal as well as the upright spindle and scriber holders, can be used on all four sides, thus making it more useful. Base of alloyed metal that will not magnetize when used on electrical contrivances. **SQUARE**: in connection with a steel scale of almost any width used to straighten up work. **DEPTH GAUGE**, **SQUARE** and **SCRIBER** for laying out keyways, etc. **SQUARE** used where lines must be drawn over a base; and **SPINDLE** and **SCRIBER** for laying out circles. With each tool we furnish an illustrated leaflet describing in detail the various uses of this important tool. Shpg. Wt., 2 Lbs. **\$1.79**
4P14943—Our Special Price



PRUNING SHEARS

California pattern. Duco finish. Malleable iron handles. Length, 8¾-inch, 2½-inch tool steel blades. Lever catch. Shpg. Wt., 1 Lb. **29¢**
4P14979—Your Cost Ea.



**V & B “Uncle Sam”
Screw Driver**

Best grade steel, machined finish. Length overall, 14¼ inches. 7/16-inch blade. Makes a good valve grinder also. Shpg. Wt., 1½ Lbs. **29¢**
4P14978—Your Cost Ea.

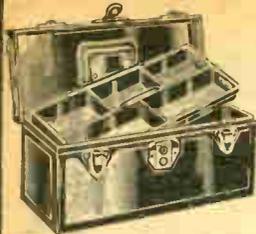


**STEEL LETTER AND
FIGURE SET**

Marks metal, leather, wood, etc. Very handy for marking your tools. Complete alphabet and numerals 0 to 9. Complete with anvil and hammer. Shpg. Wt., 7 Lbs. **\$1.49**
4P14977—Your Cost



"UNION" Steel TOOL BOXES



THE "UTILITY"
The chest of a thousand uses. Usable as a mechanic's tool box, fishing tackle box, valuable paper box, for household tools and a dozen other purposes. Has loose tray with movable partitions. Heavy steel, beautifully finished in olive green. Matched hardware. Size 14x6½x6 inches. Shpg. Wt., 6 Lbs. **80¢**
P14870—Your Cost



THE "BULLSEYE"
A new, well made combination tool chest. Heavy gauge cold rolled steel, finished in olive green baked enamel. Panel top for rigidity. Has lock and key. Round bottom tray with movable partitions. Size 13½x4x5¼ Ins. Shpg. Wt., 4 Lbs. **59¢**
P14877—Your Cost Each

FITSALL FLATIRON ELEMENT
Iron replacements. Will fit over 90% of the irons on the market, including G. E. Hot Point, Sunbeam, etc. Shpg. Wt., 1 Lb. **23¢**
2M13270—
Your Cost, Each



THE "CRAFTSMAN"
The improved tool chest with the automatic cantilever tray that pulls into position when box is opened—all contents handy to get at. Made of heavy gauge cold rolled steel with electric welded flush seams. Finished in especially hard baked enamel, olive green in color. Has permanent embossed rule on cover. Movable tray partitions. Matched hardware with lock and key. Size 14x6½x6 inches. Shpg. Wt., 7 Lbs. **95¢**
P14871—Your Cost Each

4 Way Table Tap
Made of Bakelite. Very convenient for attaching several appliances (percolator, toaster, grill, etc.) to single wall outlet. Comes complete with 5½ Ft. silk cord. Shpg. Wt., 1 Lb. **55¢**
M13203—Your Cost Each

HEATER PLUGS
Genuine Bakelite Iron Plug with switch. Very attractively designed. Has coil to protect cord. Shpg. Wt., 8 Oz. **27¢**
M13290—Each

ARMORED PLUG
Cold moulded Heater Plug, armored with heavy nickel plated steel sleeve. **10¢**
M13291—Your Cost Ea. ...
Carton of 10

BAKELITE HEATER PLUG
Large plug, black Bakelite. An unusually good plug for the money. **10¢**
M13292—Each

New Cutler-Hammer Heat-Proof Plug
A new cold moulded plug that actually becomes harder the longer it is used. Previous cold moulded plugs give way under heat while this one improves! NO SCREWS are used to hold plug together—two clips, easily removable with the fingers hold the two halves in place and also permit them to separate slightly when appliance prongs are inserted. This allows a circulation of air through plug as well as removing all tension on the plug itself. Shpg. Wt., 8 Ozs. **28¢**
M13289—
Your Cost Each

NON-TWIST PLUG
No more twisted cords with this new plug. Approved by the board of fire underwriters. Shpg. Wt., 8 Oz. **20¢**
2M13277—Your Cost Ea. ...
Per Dozen

SNAP-IT CORD SET
Brown bakelite appliance plug with convenient snap switch. Brown silk cord and standard 2-piece outlet plug. Individually boxed. Shpg. Wt., 2 Lbs. **49¢**
V18303—
Your Cost, Each

Electric Heater Elements
Best grade Resistance wire with standard base to fit all heaters. **24¢**
M13304—Cone Shape
Your Cost Each

M13305—Straight Type **24¢**
Your Cost Each

Cigar Lighter Unit
Fine quality resistance wire with mica top. **12¢**
M13286—Each

TRIO-TAP
Bakelite extension sets with handle cap. **35¢**
M13294—
9 Ft. Each. ...
44¢
M13296—
15 Ft. Each. ...

G. E. FLUSH RECEPTACLE
Mounts in 1¼ In. hole provides outlet for standard plug. 15 amps at 125 volts. Metal case. **10¢**
M13307—
Each

MIDGET PUSH BUTTON
Bakelite. Only 1½ inches wide. **12¢**
M13297—
Your Cost Each

SMALL RUBBER PLUG WITH HANDLE
6¢
M13301—
Your Cost Ea. ...
Carton of 10 ...

TWIN SOCKET
One - piece Bakelite. **12¢**
M13279—
Your Cost Ea. ...
Carton of 10 ...

Attachment Cap
Cold moulded. **3¢**
M13306—
Each. ...
Per Dozen ...

SQUARE PUSH BUTTON
Bakelite. Size 1¼ Ins. square. **12¢**
M13298—
Your Cost Each

RUBBER CORD CONNECTOR
Unusually neat appearance. Has narrow flat blades. **17¢**
M13302—Each

CURRENT TAP
Made of bakelite with one lamp and two appliance outlets. Shpg. Wt., 8 oz. **12¢**
M13278—
Your Cost Each

METAL CHASSIS
For Power Amplifiers, Transmitters, and Receiving Sets. Heavy gauge steel base, welded and reinforced corners. Cut-out for power transformer, 4½x3½ Ins.; for filter choke, 2½x2¾ Ins.; other cut-outs for Audios, filter condensers, etc. 1x2½ Ins.; 2½x1½ Ins.; 3½x1½ Ins. Punched for 3 wafer or standard sockets. Ventilation holes on side of chassis can also be used for cable connection terminal. Size over-all, 9½x16¼x1¼ inches high. Pleasing green lacquer finish. Shpg. Wt., 5 Lbs. **69¢**
P15738—
Your Cost Each

DOUBLE NAME PLATE
Bakelite. Size 2¼x4¾ Ins. **29¢**
M13299—
Your Cost, ...
Each

HANDLE CAP
Bakelite. Very popular. **6¢**
M13281—Ea. ...
Carton of 25 ...

ANGLE PLUG
Bakelite. One - piece construction. **12¢**
M13280—Ea. ...
Carton of 10 ...

SINGLE NAME PLATE
Bakelite. Size 2¼x2¾ Ins. **15¢**
M13300—Your Cost Ea. ...
Carton of 12 ...

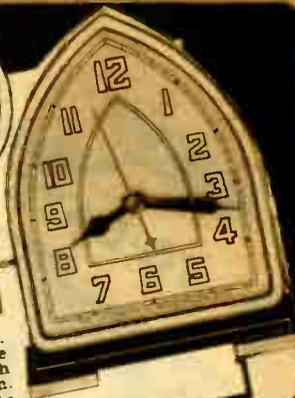
PENDANT SWITCH
For controlling ceiling light. Has outlet at bottom for appliances. **34¢**
M13284—
Each

TRIO PLUG
Bakelite. Three outlets from 1 plug. **09¢**
M13282—
Your Cost Ea. ...
Per Dozen ...

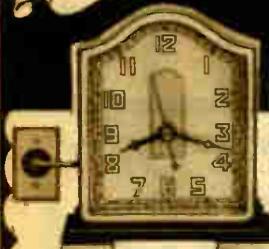
G. E. CORD CONNECTOR
Brown Bakelite. Flat contacts. **23¢**
M13288—
Your Cost Each

Electric CLOCKS

95¢



95¢



ELECTRIC BOUDOIR CLOCK

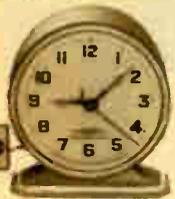
A beautiful combination of black and nickel effects. Modernistic base. Guaranteed LUX movement. Silver dial, sweeping second hand. 3 3/4 in. high. Stock No. U18070.

The regulated current which is being supplied to 80% of the homes today, will keep your clock absolutely correct if it is an electric—no winding, no regulating. For 110v. 60 cycle A.C.

GOTHIC Silvertone Electric Boudoir Clock

A beautiful combination of black and nickel effect. Modernistically designed base, supporting gracefully shaped clock. Equipped with guaranteed LUX electric motor. Silver finish dial. Outlined numerals with white wide. Shpg. Wt., 3 lbs. **95¢**

U18071—List \$1.50. Your Cost



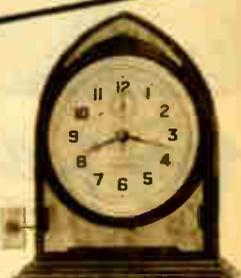
ROUND MANTEL CLOCK

This good looking electric clock is finished in black and nickel and has silver dial, white figures and sweeping second hand. Fitted with guaranteed LUX movement. Lower in price than an ordinary clock yet one which will keep absolutely accurate time from 60 cycle 110 volt regulated current. Shpg. Wt., 3 lbs. U18074—List, \$2.00 **98¢**

HAMMOND Modern Electric Clock

This famous time piece is guaranteed dependable by one of the largest manufacturers of electric clocks in America. With a Hammond Clock, a user never questions the accuracy or dependability of it. The Beacon is modernistic in design, with polished bakelite case, walnut finish. Size, 4 1/2 ins. high, 3 1/2 ins. wide, 2 ins. deep. Dial diameter 2 3/4 ins. Shpg. Wt., 3 lbs. U18075—List, \$3.50. **\$2.45**

Your Cost Each



MAHOGANY Mantel Elec. ALARM CLOCK

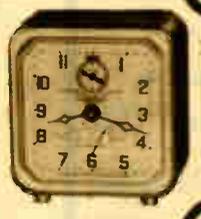
Gothic design. Mahogany case with beautiful contrasting overlays. Buff dial. Convex glass. Automatic switch for alarm feature. An accurate time keeper and an unfailing alarm clock combined at a low price. Size 7 ins. high, 6 ins. wide. Shpg. Wt., 3 1/2 lbs. Complete with cord and plug. U18072—List, \$4.50. **\$3.25**

Your Cost

THERMO SQUIRE Non-Electric Alarm Clock

The big value three purpose clock—an accurate thermometer, a dependable alarm clock and a thoroughly reliable time piece all in one. Combination black and nickel case. Buff dial. Fitted with guaranteed 1 day movement. Inside bell alarm. 4 in. high, 3 3/4 in. wide. Shpg. Wt., 3 lbs. U18073—Your Cost

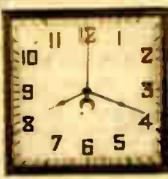
\$1.25



Electric Office Clock

This model especially designed for stores, schools, offices, etc. Mahogany frame 14 inches square. Large figures in jet black stand out sharply against white face. Can be read from great distance. High grade motor will last 25 years. Shpg. Wt., 12 lbs. U18076—List, \$10.00. **\$5.95**

Your Cost



Electric Alarm Clock

An Onyx finished clock, made of Vidrio material. Lithographed dial covered with a convex glass and black bezel. Size of base, 5 1/4 x 5 1/4 inches; size of clock, 3 3/4 x 3 3/4 inches. Clock can be used with or without the base. Specially designed for the boudoir where an alarm clock is a necessity. U18068—List, \$5.00. **\$1.50**

Your Cost



SPANISH MANTEL CLOCK

This fine Telechron has an auxiliary movement which keeps clock running for at least two hours during interruptions of current. When plug is pulled, spring wound movement immediately goes into action and automatically ceases to function when current is resumed. This clock has handsome walnut case—size 8 1/4 ins. high, 6 1/4 ins. wide, and 3 1/2 ins. deep. 3 ft. attached cord. 4 1/2 ins. white enamel dial with Roman numerals. List, \$17.55. U18078—**\$12.56**

Your Cost



Tambour Model

A distinguished Telechron of simple and dignified design. Mahogany finished case with carved decorations. Has 5-inch cream-enamelled dial and brown Arabic numerals. Size, 7 inches high, 17 1/4 inches wide, and 3 1/2 inches deep. Has 8-foot attached cord set. U18077—List, \$9.95. Your Cost

\$7.47



HAMMOND "GARLAND" Electric Wall Clock

Especially suitable for the Kitchen. Beautifully finished metal case, available in white, green or blue. Second sweep hand. 4 1/4-inch cream enamel lacquer finished dial, with convex crystal. Size, width of case, 5 3/4 inches. Back of case so arranged as to permit its 8-foot attachment cord to be coiled out of sight. Shpg. Wt., 3 lbs. State color wanted. U18067—List, \$4.75. **\$3.32**

Your Cost

Mahogany Finish



UPRIGHT MANTEL MODEL

This charming clock has Spanish high-lighted mahogany case with maple burl panel. Finished in rubbed lacquer. Acorn decorations at top. 4 1/2 in. gold finished dial with black Arabic numerals. 8-foot detachable cord set. Size, 7 3/4 ins. high, 7 1/4 ins. wide. 3 1/2 ins. deep. Shpg. Wt., 10 lbs. List, \$15.00. U18078—**\$11.25**

Your Cost

NEW
TO-DAY'S GREATEST REFRIGERATION

LAFAYETTE
DIRECT DRIVE • ELECTRIC
REFRIGERATION

16 Features

The Lafayette Tap-Drip-In Unit has several advantageous features, many of which are exclusive.

1 There are only three moving parts, thereby insuring a minimum of wear and exceptional long service.

2 Direct drive—no belts, no gears, no fly wheel and no chains.

3 Variance oil circulars, make for long life.

4 Silent floating unit, floating on soft rubber foundations—eliminates possibility of broken refrigeration lines.

5 Perfect balanced dual cylinder compressor—such as used in the finest commercial machines.

6 Refrigeration tubing around each individual tray—maximum freezing area.

7 Compact design—more usable area.

8 Ball bearing noiseless, frictionless.

9 Nickel soldered outside—permanent, strong.

10 Patented leak proof shaft seal.

11 Approved oversized brush—lifting refrigerating motor, eliminating worn brushes.

12 Automatic standardized 8-point temperature control, with motor overload protection.

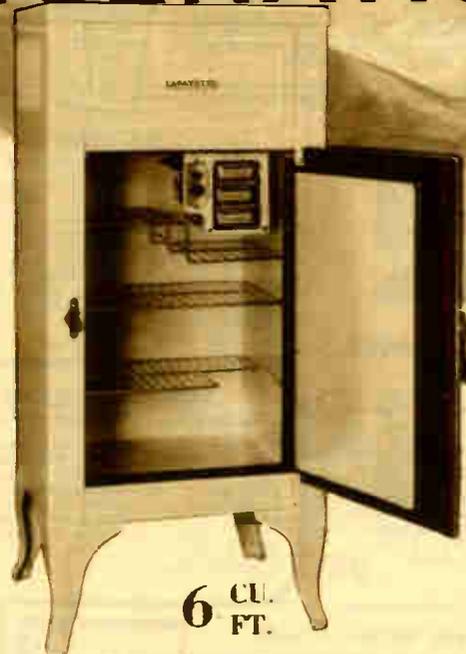
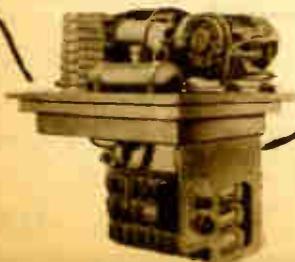
13 Patented, standardized balanced expansion valve.

14 Standardized condenser—type proved most efficient by every test.

15 Acid and corrosion proof trays.

16 Rapid freezing—hard in 1½ to 2 hours.

UNITS SOLD SEPARATELY FOR INSTALLATION IN YOUR OWN BOX. REFER TO PRICES FOR EACH TYPE BENEATH PRICES FOR COMPLETE REFRIGERATORS.



6 CU. FT.

LAFAYETTE MODEL "C"

For families of 5. Six cubic feet of usable space. Steel construction with highest quality vitreous porcelain interior and best lacquer finish outside. Note the "broom-high" legs, no area where dirt collects that can not be easily reached. The hardware is chromium plated with genuine mica. The insulation is of the highest type known to refrigeration engineering with more than ample thickness to preserve interior temperature. Has three ice trays freezing 63 large size cubes. Eight position Temperature Control. Overall size, 58½ Ins. high, 25 Ins. wide, and 21 Ins. deep.

Model C-6. Code Canus. **\$104⁵⁰**
 Net F.O.B. Chicago
 Model C-6-N. Code Canif. **\$109⁵⁰**
 Net F.O.B. New York

(Shpg. Wt., 400 Lbs.)

UNIT ONLY

Model U-6. Code Canal. **\$74⁷⁵** Model U-6-N. Code Caham. **\$77⁷⁵**
 F.O.B. Chicago F.O.B. New York

A Marvel of Simplicity!

Only 3 Moving Parts

The New Lafayette is the Refrigerator that eliminates the necessity for servicing—once installed it will need no attention. This extraordinary dependability is the result of its extremely simple mechanism. The motor is over-powered to eliminate wear and tear from overload. It directly drives the compressor with only three moving parts. The compressor, which is also a marvel of simplicity, is equipped with DUAL PISTONS, affording the maximum efficiency in operation.



Connecting Rod



Eccentric



Dual Pistons



VALUES

84.50
 FOB CHICAGO

LAFAYETTE MODEL "B"

The negligible operating expense of this handsome and efficient Electric Refrigerator will offset its initial cost in a short time. With its capacious interior storage space it will provide ample refrigeration facilities for families of three or four. The same high quality features which are present in the Model "C" are also to be found in this and all other Lafayette Models—the only difference being in their respective sizes. This Refrigerator has a usable area of 5 cu. ft., and is 52½ inches high, 24 inches wide and 20 inches deep. Has two ice trays, freezing 42 large size cubes. Chromium plated hardware. Vitreous porcelain interior and lacquer outside. Heavy steel construction. Shpg. Wt., 350 Lbs.

Model B-5. Code Polyt. **\$84.50**
 Your Cost (F.O.B. Chicago)...

Model B-5-N. Code Micat. **\$89.50**
 Your Cost (F.O.B. New York)...

UNIT ONLY

Model U-5. Code Synca. **\$69.75**
 Your Cost (F.O.B. Chicago)...

Model U-5-N. Code Mitra. **\$72.50**
 Your Cost (F.O.B. New York)...



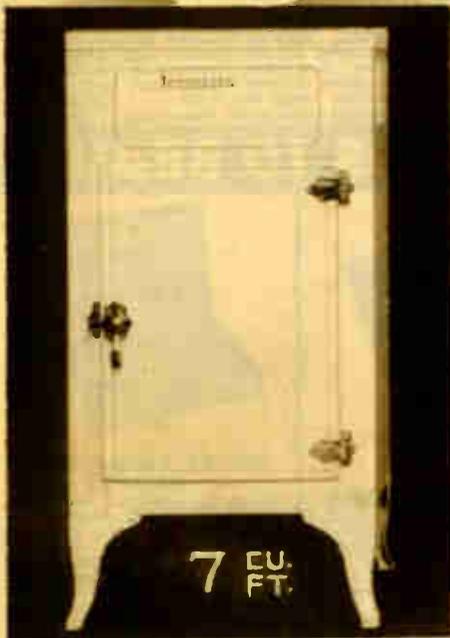
5 CU. FT.

The Guarantee

THEM

3

YEARS



7 CU. FT.

Our entry into the Refrigerator Field was made only after we had made sure of a product which would require little or no servicing—one which we could unconditionally guarantee to give perfect satisfaction over a considerable period of time without incurring undue risk on our part.

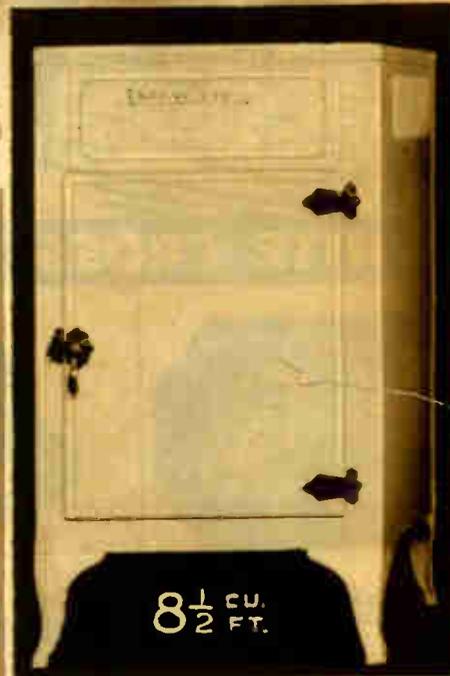
Such a product is the New Direct Drive Lafayette.

Its marvelous simplicity makes it as fool-proof and free from mechanical failure possibilities as a piece of machinery can possibly be.

We Guarantee

every Lafayette Electric Refrigerator for a period of **THREE YEARS**. Should any part prove mechanically defective during that time we will replace it free of charge.

We further guarantee that you can not buy better refrigeration regardless of the price you pay.



8 1/2 CU. FT.

LAFAYETTE MODEL "E"

A special feature of this magnificent Refrigerator is its large dessert or ice cream freezing compartment. In addition to which are five trays containing 105 large size ice cubes. This exceptionally large box is designed to accommodate the needs of large families, and for commercial installations. All features found in the other Lafayette Models are also present in this one, including: chromium plated hardware, vitreous porcelain interior, lacquer exterior, steel construction and extra thickness of approved insulation. Overall size, 60 inches high, 32 inches wide and 24 inches deep. Shpg. Wt., 450 Lbs.

Model E-8. Code Veral. **\$149.50**
 Your Cost (F.O.B. Chicago).....

Model E-8-N. Code Verse. **\$154.50**
 Your Cost (F.O.B. New York).....

UNIT ONLY

Model U-8. Code Veram. **\$85.75**
 Your Cost (F.O.B. Chicago).....

Model U-8-N. Code Veren. **\$88.75**
 Your Cost (F.O.B. New York).....

LAFAYETTE MODEL "D"

A large Refrigerator suitable for families of 6 or more persons. Has a food storage area of 9 sq. ft. and a capacity of 7 cu. ft. Three large size shelves, the bottom one of which has portion cut away to permit the storage of bottles, in addition to a special freezing shelf at top. Unit has four trays which freeze 84 large size ice cubes. Overall dimensions, 58 inches high, 27½ inches wide, 23 inches deep. All constructional features of types "B" and "C" are also found in this larger model. Shpg. Wt., 425 Lbs.

Model D-7. Code Verda. **\$134.50**
 Your Cost (F.O.B. Chicago).....

Model D-7-N. Code Veris. **\$139.50**
 Your Cost (F.O.B. New York).....

UNIT ONLY

Model U-7. Code Vertu. **\$84.75**
 Your Cost Each (F.O.B. Chicago).....

Model U-7-N. Code Verle. **\$87.75**
 Your Cost Each (F.O.B. New York).....

WHY PAY MORE?

The table below shows Lafayette prices as compared with retail prices of other makes:

Our Model	Other Makes
B	\$ 84.50 \$130 to \$149
C	104.50 179 to 189
D	134.50 225 to 250
E	149.50 275 to 300

Lafayette Refrigerators are equipped with 110 volts, 50-60 cycle A.C. motors. Also available for 110 volts D.C. or 220 volts, 25-60 cycle A.C. at \$7.50 additional.

QUALITY ELECTRIC HEATERS

Prometheus Electric Radiator

Brings extra heat where you need it. No longer need anyone suffer the discomforts of chilly evenings in the bedroom or bathroom. These little electric radiators bring quick, comfortable heat where and when you need it. No part becomes dangerously hot. There need be no fear of burns to the children—for the nursery they are practically indispensable. May be attached to any convenient outlet and does not require permanent installation. Heavy pressed steel construction. Beautifully finished. Double faced grill. 1000 watts. For 110 volt current. Complete with cord and toggle switch.

V18258—Your Cost.....

\$885

Hotpoint Heater

A very efficient, sturdy heater offered at a very low price. Easy to carry about from room to room to use wherever a quick flood of warmth is needed. Its tower gray finish harmonizes well with any surroundings. Eleven inch copper reflector. Strong pressed steel base. Cool carrying handle. Adjustable over a wide angle. Removable wire guard. Attached cord and plug. Genuine "Sunbowl" heating element. For 110 volt current. Height, 15 1/2 in. Shpg. Wt., 7 lbs.

V18263—List \$4.95.

Your Cost.....

\$346

"EVERHOT" EFFICIENT ROOM HEATER

Genuine efficiency and safety are features of this heater. Cold air is drawn into the bottom of the heater and hot air passed out from the "register" near the top. Absolutely safe to use. Element connections are insulated with mica and are separate from the body. A baffle in the bottom prevents any downward deflection of heat. Coolness of the body is an added safety feature. Double walls—knock over the heater it can not burn the carpet. Always cool to handle. Grained walnut finish (beautiful as the finest finished furniture). Wattage 1100 at 110 volts. Size, 24 in. high, 6 in. deep and 12 in. wide. Shpg. Wt., 15 1/2 lbs. Complete with 16 ga. heater cord 7 ft. long.

V18264—Your Cost.....

\$645

EVERYDAY DeLuxe Heater

An attractive and efficient heater designed to meet the needs of many home polished brass bowl designed to give maximum reflectivity. The unit is made of high grade resistance wire. Six foot attached heater plug. Mounted on heavy cast iron base to prevent accidental tipping over. Beautifully finished in Egyptian lacquer.

Shpg. Wt., 11 lbs. Year Cost. V18280—List \$4.00

Marion Chill-Chasers

A "chill-chaser" by name and fame. Its 12-in. bowl competes with larger diameters for heat distributed because of its scientific construction. A heavy guard insures protection. May be removed for cleaning. Insulated handle permits easy adjustment. Beautifully finished in two-tone Egyptian lacquer. Eight foot cord attached. Shpg. Wt., 9 lbs.

V18261—List \$5.00. Your Cost...

\$265

WHITE CROSS ELECTRIC AIDS TO BEAUTY



HAIR DRYER

The ideal dryer for all purposes. Dries a heavy head of hair in a few minutes. Instant heat change, hot or cold air at the snap of a switch. Complete with cord and plug. Packed in fine leatherette carrying case nickel trimmed. For 110 volt current. Shpg. Wt., 7 lbs.

V18266—List \$15.00.

Your Cost.....

\$975



NO. 21 VIBRATOR

A low priced home treatment outfit. Four applicators. Has universal motor that operates on either A.C. or D.C. Nickel and black finish, durable black carrying case. Treatment book and colored chart included. For 110 volts current. Standard length plug and cord. Shpg. Wt., 6 lbs.

V18266—List \$11.00.

Your Cost, Each.....

\$715



NO. 30 VIBRATOR

A barber shop and beauty parlor outfit. Three speed universal motor—operates on A.C. or D.C. Ebonized handle. Nickel and black finish. Practically noiseless. Perfect balance. Leatherette carrying case with nickel trimmings. Treatment book and colored chart included. For 110 volt current. Shpg. Wt., 7 lbs.

V18267—List \$16.00.

Your Cost.....

\$1040



NO. 52 VIOLET RAY OUTFIT

Generator—polished black hard rubber handle, encasing improved coils and adjustments, with green Karolite adjustment knob. Pull 8 ft. black silk cord. Solidly built case covered with heavy black leatherette, lined with purple satin. Three electrodes, surface, comb and external throat. Chart and treatment book. Shpg. Wt., 7 lbs.

V18268—List \$12.50.

Your Cost.....

\$812



POLAR-CUB

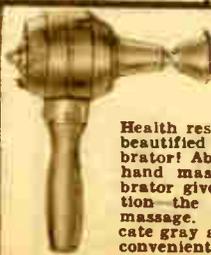
HAIR DRYER

Ideal for the boudoir, this dainty rose and gray Hair Dryer is as useful as it is ornamental. Costing little more than one trip to the hair dresser's, it has a hundred home uses. It is invaluable after shampoos or swims, or for quickly drying delicate fabrics. And it is so very light and easy to use. Just turn on the switch and sit comfortably reading while it blows warm quick-drying air. For 110 volt current.

V18269—List \$4.95.

Your Cost.....

\$375



POLAR-CUB VIBRATOR

Health restored and complexions beautified with a GILBERT Vibrator! Abolishing old-fashioned hand massage this electric vibrator gives a rapid rotary motion the only true form of massage. It is finished in delicate gray and green; is light and convenient and is generously equipped with an "Off-On" switch and three standard applicators, a brush, button and cup. The lowest priced rotary motor vibrator made. For 110 volt current.

V18270—List, \$4.95. Your Cost.....

\$375



POLAR-CUB ELECTRIC WHISK BROOM

This new modern electric whisk broom makes the old fashioned whisk broom obsolete. Light and convenient, it makes short work of cleaning clothes, upholstery, draperies, automobile interiors, etc. Very inexpensive yet extremely efficient. For 110 volt current.

V18271—List \$4.95. Your Cost, Ea.

\$475

our Heater

\$1.98
Double Burner Electric



Heavy steel, baked black enamel finish, nickel legs. Two "On-Off" switches. Genuine Nichrome element embedded in porcelain. All connections concealed and protected. Size 19 x 9 x 5 1/2 Ins. Complete with cord and plug. Shpg. Wt., 9 Lbs.
V18226—List \$4.00. Your Cost **\$1.98**
V18237—As above, except with two three-heat switches. Your Cost **\$2.95**



SUPER-STAR

This good looking Electric Hot Plate is available with either "On-and-Off" switch or "High-Medium-Low-Off" switch. Made of heavy steel. Genuine Nichrome element imbedded in high grade porcelain bricks. Every connection concealed and protected. Super-polished nickel plate. Size 10 1/2 x 5 1/2 Ins. high. Shpg. Wt., 6 Lbs. For 110-115 volts A.C. or D.C.
V18238—With "ON-OFF" switch. Your Cost **\$1.65**
V18239—With 3 Heat Switch. Your Cost **\$2.25**

ate has four Made of nickel plated. Nichrome wire element imbedded in high grade porcelain. Connection concealed and protected. Size 10 1/2 x 4 Ins. Complete with heater cord and plug. Shpg. Wt., 4 Lbs.

Automatic EGGSTER



\$1.82
NET

Prepares eggs right at the breakfast table! No waiting for kettle to boil—no fussing over a hot stove—no watching the clock and guessing the time, simply put 1, 2, 3, or 4 eggs in the Eggster, add a few teaspoons of water and connect the cord. The circuit is automatically broken when eggs are done. Cooks them any degree of hardness, depending on the amount of water added. Made of porcelain enamel with polished metal top. Beautifully designed. Nothing to get out of order. Complete with cord.
V18242—List \$2.80. Your Cost **\$1.82**

SUPERSTAR

\$1.25
NET



A single burner Electric Hot Plate with body of heavy steel heavily coated with green enamel that won't chip or crack. Legs of highly polished nickel plate. Genuine Nichrome element imbedded in best quality porcelain. Every connection concealed, attachment plug. Shpg. Wt., 7 Lbs. Has heater cord and WITH "ON-OFF" SWITCH.
V18240—Your Cost **\$1.25**
V18241—WITH 3 HEAT SWITCH. Your Cost **\$1.90**

GREEN ENAMEL BODY



EV'RYDAY ELECTRIC HOT PLATE

An amazing Hot Plate bargain! Designed for service—made of high grade materials throughout; best of resistance wire, eliminating burnouts, and heavy gauge sheet steel durably finished in Japan. Legs are finished in chromium. Complete with attached cord and plug. Shpg. Wt., 7 Lbs.
V18243—Our Special Price **79¢**

"UTILITY" Water Heater and Bottle Warmer



A most convenient appliance for heating baby's milk bottle. Can be connected at bedside. Also heats shaving water and other liquids. Overall height 7 1/2 ins. Diameter 3 1/2 ins. Depth 4 1/2 ins. Polished nickel finish. Complete with cord and plug. Shpg. Wt., 5 Lbs.
V18243—Your Cost **\$2.89**



WHITE CROSS No. 103 Electric Stove and Oven

Constructed of heavy steel, finished in triple baked enamel, nickel trimmed. The oven is portable and can be removed, thus making all three burners available for other cooking. 750 watts per burner. Size 11 x 36 x 5 1/2 inches. Oven size, 12 x 11 1/2 x 11 1/2 inches. Furnished with heater cord only, must be connected to special circuit direct from meter. Shpg. Wt., 29 Lbs.
V18244—List \$17.00. Your Cost **\$11.33**

"HOT-FLASH" IMMERSION WATER HEATER



Constructed on a new principle. Will not burn out whether in or out of the water. Heats enough water for shaving or washing dishes in a jiffy. 30% faster than other similar types of immersion heaters. Cord and plug are insulated so that there is no possibility of an electric shock. Very economical to operate. Nothing to get out of order; will last for years.
V18245—List \$2.95. Your Cost **\$1.75**

"EAGLE" AUTOMATIC HOT WATER HEATER



The perfect water heater—uses less electricity and gives more hot water than any similar device available. Has AUTOMATIC CURRENT CONTROL—turns electricity on and off automatically; safe, silent and economical. Instantly attached to any size and type of water faucet; holds securely without chain. Beautiful in design—compact in construction. Operates on 110-125 volts A.C. No moving parts to get out of order.
V18247—List Price, \$2.75. Your Cost **\$1.65**

BERSTED ELECTRIC CORN POPPER



Electric Corn Popper—capacity one quart of pop corn. To empty, just lift top and pour into dish—no danger of burning the hands. Diameter of popper, 7 inches; height overall, 9 ins. Attractive design, beautifully finished in chromium. Equipped with 6 Ft. cord and plug. Shpg. Wt., 5 Lbs.
V18248—List \$2.15. Your Cost Each **\$1.30**

Electric WAFFLE IRONS



WHITE CROSS WAFFLE IRON

\$3.85

Beautifully engraved. Super-polished Chromium plated. Newly developed, full size, 8 1/4 inch aluminum grids assures better baking. Heat Indicator indicates when iron is at proper temperature for baking. Special design heating element of Nichrome wire mounted in refractory plate. Patented heat chamber insulation. Black ebonzoid handle. Shpg. Wt., 7 Lbs. List \$5.50 **\$3.85**
V18297—Your Cost.



WHITE CROSS AUTOMATIC WAFFLE IRON

Housewives appreciate the rare intelligence of this new Automatic Waffle Baker. It has a wide range and will bake any kind of waffles from very light to very dark by simply setting the control lever. The signal lights up when waffle starts baking and goes out automatically when waffle is completed. Has large 8 1/2 inch grids with butter groove of new alloy, Nichrome elements, mounted in refractory plates. Heat control lever to vary baking temperatures. Ornamental Bakelite handles, standard cord set. Finished in HEAVY CHROMIUM PLATE. Shpg. Wt., 8 Lbs. **\$5.65**
V18290—List \$8.50. Your Cost.....



MARIO "LOW-BOY"

\$4.25

A Waffle Iron of real distinction. Beautifully simple in design and unusually efficient in operation. A scientifically designed air chamber beneath keeps bottom cool at all times. High grade Nichrome element, generous in size insures long life and quick, even baking temperature. Heat indicator tells when iron is ready for baking. Chromium finish. Black ebonzoid handles. Shpg. Wt., 7 Lbs. List \$7.25. **V18296—Your Cost..... \$4.25**



NEW MANNING BOWMAN "LOW BOY" IRON

\$3.60

An electric Waffle Iron that will appeal to the discriminating housewife instantly and irresistibly. Its graceful "Low-Boy" design and its gleaming Chromium finish combine to make it a household appliance of unusual distinction. Special care has been exercised in its design to prevent undue temperature from the bottom. A special air chamber and insulation assures table protection. Pure aluminum grids, ebonzoid handle. Heat indicator in top. Shpg. Wt., 6 1/2 Lbs. **V18298—List \$5.00. Your Cost Each..... \$3.60**



Set this convenient switch and Iron automatically bakes to suit the taste.

\$4.95



BERSTED SQUARE WAFFLE MOULD

Those who prefer the square waffle maker will find this iron efficient and attractive. It has deep pure aluminum grids 7 1/2 inches square; with enclosed hinge and heat indicator. It is beautifully engraved and finished in heavy chromium plate. Equipped with 6 ft. cord and plug. Shpg. Wt., 7 Lbs. **V18294—Your Cost Each..... \$4.95**



BERSTED CHROMIUM WAFFLE SET

To the studied perfection of this beautiful waffle mould is now added the convenience of a bowl and ladel of matching design in polished chromium; fitting companions for this excellent waffle-baker. The waffle-mould is of the usual Bersted quality with deep, pure aluminum grids. The double heating elements are of generous size and heat the whole surface of the grids quickly and evenly. Cool, black side handles and front drop handle makes it easy to open and carry about. Batter bowl is of black glass, removable for cleaning. Shpg. Wt., 12 Lbs. **V18291—Complete Set. Your Cost..... \$5.96**

18292—Bowl and Ladel only..... \$2.25
V18293—Waffle Mould only..... \$4.15
Your Cost



HOT-POINT "Lennox"

\$5.60

The quality of "Hot-Point" is known wherever electrical appliances are used—and this is one of their most famous Waffle Irons. The "Lennox" has a reliable heat indicator; tells when iron is ready for use. "Hot-Point" Chrome finish. Genuine CALROD indestructible heating element. Ivory finished handle. Air cooled base. Bakes 7 1/2 inch waffles. Art silk cord. Smooth die-cast aluminum grids. Miniature detachable plug. Beautiful embossed design. Expansion hinge. Shpg. Wt., 7 Lbs. **V18299—List \$7.95. Your Cost..... \$5.60**

BARGAIN ELECTRIC WAFFLE MAKER

An amazing value! Makes delicious waffles, crisp and brown. Equipped with hooded hinge top, clean cut pure aluminum grids, size 5 1/2 inch diameter. Fibre legs that give ample clearance and protection. Highly polished wood handle. Guaranteed element imbedded in special process cement. Will operate on D.C. or A.C. 105-120 volts. **GUARANTEED FOR ONE YEAR.** Shpg. Wt., 5 Lbs. **V18302—Less Heater Cord.**

Your Cost Each..... 95¢
Special 6 ft. Cord and Plug..... 15¢
V18302—Your Cost Each.....

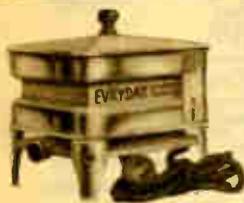


98¢



WHITE CROSS
Oven Type Toaster

An original and exclusive design with patented features. No vents in door or top to cause heat loss. Two full slices of bread toasted quickly and evenly. Has turn-over feature, mica insulated Ni-chrome element and cushioned feet. Engraved top and doors. Chromium Plated. Shpg. Wt., 4 lbs. Complete with cord set. **V18280—List \$3.50. Your Cost \$2.19**



EVERYDAY
Sandwich Toaster

An efficient, convenient appliance that fills a long felt want for a low priced Sandwich Toaster. Heavy gauge steel, heavy nickel plated. Grids 5 1/2 x 6 1/2 in. New type automatic hinge permits toasting of bread as well as sandwiches. Shpg. Wt., 5 lbs. **V18290—List \$2.50. Your Cost \$1.25**



EVERYDAY
"Flip-Flop" Toaster

Handles two full size slices of bread. Positive turn-over action. Built for severe service and beautifully finished in chromium. Guaranteed grade A Nichrome element. An exceptional value. Shpg. Wt., 3 lbs. **V18281—Less Cord Set, List \$2.50. Your Cost \$1.35**
V18302—Cord Set, Ea., .15c



Automatic Toaster

A beautiful, practical table appliance of outstanding quality and distinction. Toasts two full slices of bread at one time. Shuts off current when toasting is done, opens up itself and raises front edge of toast for easy removal. Adjustable for any degree of brownness. Finished in brilliant chrome plate with graceful Bakelite handles. Shpg. Wt., 10 lbs. **V18284—For 110 volts. List, \$17.50. V18285—For 110 volts. List, \$17.50. Your Cost, Either Type, \$12.25**

New Hamilton-Beach Electric Mixer

This New Model B, has every feature that women demand: Portable mixes in any bowl or pan. One hand slides it on and off the stand. Bowls turn automatically at controlled speed. Motor tips back so beaters drain into bowl. Guarded beater easily removed. Sanitary juice extractor with ball-thrust bearing; the bowl is free from unsanitary mechanism. Removable strainer. Beaters always automatically adjusted to bottom of bowl. Single agitator for mixing drinks in a glass. The only portable mixer with worm gear drive. Beautifully finished in ivory and black. Enamel is baked on. Cast iron base, steel beaters, rubber composition handle, 6 ft. rubber cord with moulded plug, rubber feet, beater and guard chromium plated. Size, 15 in. high, 12 1/2 in. long, 7 in. wide. For 110 volts A.C. 25-60 cycle or 110 volts D.C. Shpg. Wt., 24 lbs. **V18276—List \$19.95. Your Cost \$13.95**



Ball Bearing Motor



IT TILTS BACK: Just a slight push and the motor and beaters are back out of the way making room to add other ingredients, or to allow batter to drip into mixing bowl. No fear of the Kitchen Mixer tipping over because the base counter-balances it.

STRIKING APPEARANCE: In appearance this mixer is in a class by itself: the mixing bowls and juice extractor bowl are not just plain glass, but an attractive fluted French Ivory glass, the handle is black Bakelite and the base is shiny jet black enameled steel. The metal fittings are chromium plated. To simplify those tiresome problems of mixing, beating, whipping, mashing, and extracting fruit juices there isn't a more efficient or attractive appliance made. Separable paddles, revolving bowl and four speed ball-bearing universal motor. Shpg. Wt., 24 lbs. List \$18.75. (For 110 volt current.) **V18276—Your Cost \$12.95**

STAR-RITE
Kitchen Wizard



This wonderful new Mixer-Beater-Juice Extractor has greater power, more uses and new beauty. It mixes, mashes, blends, whips, and stirs everything that is usually and tiresomely done by hand in the kitchen. An then, in a matter of seconds, it may be changed over to an extractor that will beat with equal ease, and amazing speed. In cake-making alone it saves half of the time in creaming and mixing batter. Powerful multi-speed motor, adjustable stand, automatic revolving platform, detachable stainless steel beaters, extra long single beater for mixing drinks, complete juice extracting equipment, and two mixing bowls finished in French Ivory. Complete with moisture proof cord and plug. Shpg. Wt., 24 lbs. **V18277—List \$18.75 Your Cost \$11.25**

ream a cup or a quart of fruit juice with equal ease, and amazing speed. In cake-making alone it saves half of the time in creaming and mixing batter. Powerful multi-speed motor, adjustable stand, automatic revolving platform, detachable stainless steel beaters, extra long single beater for mixing drinks, complete juice extracting equipment, and two mixing bowls finished in French Ivory. Complete with moisture proof cord and plug. Shpg. Wt., 24 lbs. **V18277—List \$18.75 Your Cost \$11.25**



Sunbeam MIXMASTER

The best known of all Kitchen Mixers. Its powerful, multi-speed motor makes it possible to do everything from mixing fruit cake to beating a single egg. In a moment it may be changed over to an efficient juice extractor. One of the most complete of Kitchen Appliances. Shpg. Wt., 26 lbs. **V18278—List \$18.75. Your Cost \$12.95**

BERSTED

Modernistic Toaster

Chrome Plate Black Handles and Base.

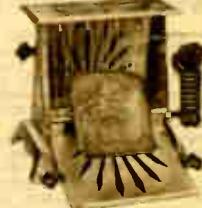


Our most beautiful toaster. A refreshing, modern design. Tasteful two-tone design of the doors is skillfully repeated in the triangular black moulded handles. A similar modernistic note is carried out in the design of plug guard, and the tasteful drop handles at the sides. Massive looking, beautifully polished black base rests on rubber feet. Turn-over type. All metal parts Chrome plated. Shpg. Wt., 4 lbs. **V18282—List, \$8.50. Your Cost \$4.95**



Genuine HOTPOINT
"Riviera" Toaster

Turn-over type. Hotpoint quality. A real value—combining quality and low price. Glowing coil element scientifically designed to make evenly browned toast. Sturdy pressed steel construction, polished nickel finish. Attached mercerized cord. Non-scratch fibre feet. **V18283—List \$3.95. Your Cost \$2.75**



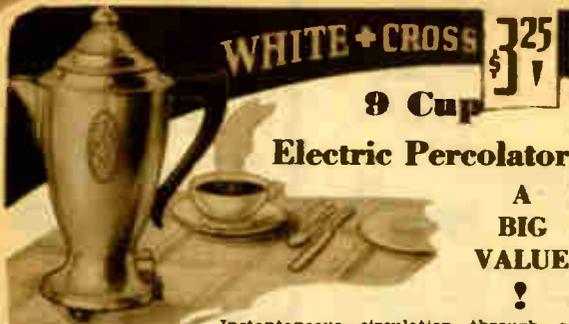
Super-Star Toaster

Turn-over type. Sun ray design. Guaranteed genuine nichrome element. Insulated handles. Toasts two full sizes of bread at one time quickly and evenly. Made of heavy metal with super-polished nickel plate. All connections concealed and protected. Complete with heater cord and plug. Shpg. Wt., 3 lbs. **V18291—Your Cost 95c**

Bersted Combination Toaster and Griddle

Bacon and eggs, pancakes, steaks, or chops may be easily cooked on the roomy grids of this beautiful appliance; or sandwiches or two full slices of bread may be toasted at once. A grease drain and cup underneath catches the grease. Clever modernistic design. Brilliant chrome plated. Solid aluminum grids. Finest nichrome elements. Black Bakelite handles. Rubber tipped feet. Size, 12 3/4 x 7 1/2 x 4 3/8 in. Shpg. Wt., 7 lbs. **V18286—List \$10.50. Your Cost \$6.15**





WHITE + CROSS \$25
9 Cup
Electric Percolator
A BIG VALUE!

Instantaneous circulation through a double wall valveless pump, makes good coffee quickly. This new COLD WATER V-type design is the latest and most popular. Has new non-drip spout, etched motif, engraved base and highly polished aluminum finish. Complete with standard cord set. 400 watts. Shpg. Wt., 4 Lbs. List, \$5.00.
V18233—Year Cost \$3.25

BERSTED Electric Urn Service

Here is an electric Percolator Set, that has both price appeal and eye value. Finished in glistening, non-tarnishing chromium and of



Chromium Plated
WILL NOT TARNISH
4 PIECES

graceful Grecian design. The Urn is of 9-cup capacity and has instantaneous heating element with safety fuse which prevents injury to appliance should its owner inadvertently permit it to boil dry. Has Black ebonized handles and standard 6-Ft. heater cord. Set consists of Urn, Sugar, Creamer and Tray. Shpg. Wt., 13 pounds.
V18220—List, \$25.00 \$13.45
Year Cost, Complete

COFFEE WITHOUT METALLIC TASTE

WHITE CROSS COFFEE-VAC

A good cup of coffee depends, not so much on the brand of coffee you use, but more on the method you employ in making it. The White Cross Coffee-Vac brews coffee in a more scientific way than any other method or principle known. It brings out all the delicious, rich flavor of the coffee and insures perfect results every time. It is simple and easy to operate and brews coffee at exactly the correct temperature. It is quick and convenient to prepare and is entirely automatic. It brews 50% more coffee per pound. Its crystal-clear heat-proof glass can't impart metallic poisoning. Retains all the essential oils of the bean that usually boils away. It does not extract tannic acid to an excessive degree. Water is placed in lower bottle and coffee in the upper one; the current is turned on and when water has reached the correct temperature it expands and the air thus forces the water into the upper container mixing with the pulverized coffee. The brewed coffee then filters to the lower container from which it is served. Single Unit 6-Cup Capacity. List, \$5.95. **\$4.00**
V18229—Year Cost \$6.00
V18230—Single Unit 8-Cup Capacity. List, \$9.00. \$6.00
Year Cost



MULTIPLE UNITS For Commercial Use

These White Cross Coffee-Vacs are also available for and are now extensively used in Restaurants, Drug Stores and other places serving food. They win many new customers by the delicious quality of the coffee they brew and are far more convenient to use than any other method of making coffee. The pots of all models are 8-cup capacity.

V18231—2 Burner, 3 Pot. List, \$36.00 \$24.00
Year Cost
V18232—4 Burner, 6 Pot. List, \$65.00 \$43.25
Year Cost




Sunbeam SEVEN CUP
"EMBASSY" Percolator
 The jet black handles of this gracefully designed appliance contrast effectively with its chromium plated body. Has artistically embossed panels, spout and handle mount. Designed for modern times—it percolates fast and conserves and enhances all the fine flavor and delicate aroma of good coffee. Equipped with special fuse which disconnects current when liquid is exhausted. Shpg. Wt., 7 pounds.
V18222—List price, \$9.95 \$6.25
Your Cost



Sunbeam SEVEN CUP
"DUCHESS" Percolator
 A shapely new design, cleverly embossed, with ebonized handle. Designed by an artist and made by craftsmen, it is a beautiful model of enduring good taste. Finished in chromium plate. Sunbeam quality throughout. Has special fuse which disconnects current when liquid is exhausted. Capacity, 7 cups. Shpg. Wt., 7 Lbs. List, \$8.95. **\$6.25**
V18223—Year Cost

BERSTED 3 and 8 Cup Percolators
 These electric Percolators have solid copper bodies beautifully finished in chromium. Pewter spouts, drawn shell (no seams) plug guard and ebony handles. 6-Ft. Cord and plug.
Three Cup Capacity
V18227—List, \$6.00 \$3.50
Year Cost
Eight Cup Capacity
V18228—List, \$7.75 \$4.59
Year Cost
 (Shpg. Wt., 3 Cup, 4 lbs.; 8 Cup, 5 lbs.)

WHITE CROSS Percolator Set
 This is, without a doubt, the most startling value we have ever offered in an electric Percolator Set. A 4-piece all super-polished nickel set, consisting of a seven-cup Percolator, made of seamless solid copper with fountain spray pump and metallic sealed moisture proof heating element, a 16 1/2-In. serving tray and 4-In. sugar and creamer and standard cord set. Shpg. Wt., 10 Lbs. Retail price, \$15.00. **\$9.95**
V18229—Year Cost

WHITE CROSS Aluminum Electric Percolators
 Hot water type. Heavy aluminum without seams, welds or rivets in bottom of pot. Spray top fountain pump. Metallic sealed moisture-proof heating element, guaranteed for two years. Complete with cord and plug. 6-Cup Size. List, \$3.29. **\$2.15**
V18272—Year Cost
 8-Cup Size. List, \$3.60. **\$2.40**
V18273—Year Cost
 (Shpg. Wt., 4 Lbs.)

NON-ELECTRIC FRENCH DRIP COFFEE MAKER
 Body of finest vitreous china in your choice of jade green or canary yellow. Spout, handles and two bands around body finished in brilliant chromium. Upper compartment chromium plated. A very beautiful appliance that makes six cups of the most delicious coffee. Shpg. Wt., 5 Lbs. List, \$5.00. **\$3.59**
V18274—Year Cost

220 VOLT APPLIANCES
 The appliances quoted in this catalog are for operation on 105-120-volt 50-60-cycle A.C. except as noted. Non-automatic appliances will also operate on 110-volt D.C. We can supply practically every item listed for 220-volt A.C. at slight additional cost. Write for quotations.



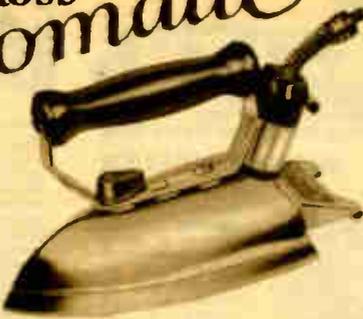
“Chromecrest”^{NET} Automatic

We defy anyone to match this value! Think of it—a full Automatic, full size Electric Iron for less than you would expect to pay for comparable quality in an ordinary iron. CHROMIUM PLATED, the finish that never tarnishes. Shpg. Wt., 4 lbs.

V18190—Less Cord. **\$1.50**
 Year Cost
 V18302—6 ft. cord. **15c**
 Year Cost

WHITE CROSS

Automatic



\$2.45^{NET}

CHROME

OUR SUPREME VALUE! Patented thermostats keeps temperature constant. Wide range of heat to select from. Bevel edge sole plate. Finest Nichrome wire element. Rigid enbrazed handle. Wide heel plate. Full chromium finish. **WILL OUT-PERFORM MOST 1000 WATT IRONS.** Complete with cord and plug. For 110 volt A.C. Shpg. Wt., 7 lbs. List, \$5.00.

V18156—Year Cost, Each..... **\$2.45**



No. 247

WHITE CROSS

The element in this iron, like all others by “White Cross” is of the finest quality Nichrome wire. The stream line shape and full-vision bevel sole plate makes this a big favorite. 575 watts. Complete with cord and plug. Shpg. Wt., 7 lbs. For 110 volts.

V18184—Our Special **\$1.69**
 Price

HOTPOINT

This splendid iron has established a reputation the world over for high quality. The best non-automatic iron on the market. Has indestructible heating element cast in solid iron, bevel edge sole-plate, convenient button saving Button Hook, Comfortable Thumb Rest, detachable hinged plug. Chromium finished. Consumes 575 watts. Complete with cord and plug. Shpg. Wt., 7 lbs. **\$4.16**

V18159—List, \$5.95. Year Cost.....



DOVER MAID IRON

Hermetically sealed, super-armored, one piece construction with life and speed heretofore impossible. New sealed-in process guarantees longer life, quicker heating and more even distribution of heat. Large ironing surface, cool rubberoid handle, chromium finish. 600 watts. Shpg. Wt., 7 lbs. Complete with Veriflex cord. **\$1.70**

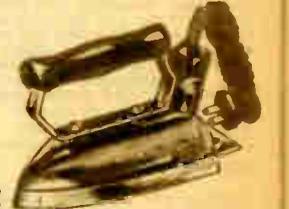
V18153—Year Cost



ONLY 89c

A 6-Lb. nickel plated laundry iron. Nichrome heating element imbedded in special process cement. Tapered point. Fully guaranteed for one year against all mechanical and electrical defects. Shpg. Wt., 7 lbs.

V18188—Year Cost Less Cord... **89c**
 Cord Set



MARCEL WAVER

\$1.15

A very popular and efficient marcel waver for home use. Scissor type construction. Rods are curved and the clamp is of the proper depth for a perfect wave. Shpg. Wt. 2 Lbs. List, \$1.00. **\$1.15**

ZV18217—Year Cost



Elec. Curling Iron 65c

An exceptional value. All metal parts are finished in a gleaming nickel plate. Equipped with disc type cooling rest. Silk covered rubber insulated cord and plug. Shpg. Wt., 2 Lbs. List, \$1.00. **65c**

ZV18216—Year Cost



New Sunbeam

“IRONMASTER”^{NET} Automatic

\$6.26

Weights only 3½ Lbs.

More Efficient than any 6 Lb. Iron

This new Sunbeam Ironmaster marks the greatest stride forward in electric irons in 20 years. A full size Automatic Iron with an extra generous ironing surface and a full 1000-watt input—and yet it weighs only 3½ Lbs. Special patented sole plate and pressure plate and free-acting thermostat keeps the extra heat under perfect control. This extra heat and faster conductivity takes the place of excessive weight in other irons. Complete with cord set. Shpg. Wt., 5 Lbs. **\$6.26**

V18157—List, \$8.95. Year Cost....



WHITE CROSS ELECTRIC HEATING PADS

No. 374. Our finest Heating Pad. Heavy chinchilla with a rubber slip cover. 3-notch switch control. Size 12x15 Ins. Color: old rose, cord to match. Shpg. Wt., 2 Lbs. **\$5.97**

V18153—List, \$7.00. Year Cost... **\$5.97**

No. 372. Gives a gentle even heat (high, medium or low) controlled at the 3-notch switch. Green elderdown with 8 Ft. cord to match. Extra slip cover and cellophane wrapped. Size 12x15 Ins. Shpg. Wt., 2 Lbs. List, \$5.50. **\$4.67**

V18154—Year Cost

No. 378. A soft flexible pad of peach colored elderdown. Three heat adjustments neither of which can hurt the most sensitive flesh. Has an 8-Ft. cord to match color of pad. Size 12x15 Ins. Shpg. Wt., 2 Lbs. List, \$3.90. **\$2.54**

V18155—Year Cost

OUR SPECIAL PAD. The greatest Heating pad value ever offered. Three heat switch. Cover of green elderdown. Size 12x15 Ins. Cord to Match. Shpg. Wt., 2 Lbs. **\$1.59**

V18156—Year Cost



POLAR CUB MIXER

The housewife will find many uses for this convenient device. Just the thing for malted milks, chocolate and other drinks. For whipping cream, beating eggs, and countless other household mixtures. Has universal motor that operates either on 110 volts D.C. or 110 volts A.C. Furnished complete with attachment cord and glass bowl. List, \$4.95. **\$3.75**

V18151—Year Cost



POLAR CUB BEATER

An extremely handy and efficient Kitchen Appliance that will beat cream, eggs, mayonnaise, and mix light batter to a perfection. Has heavy duty motor that makes it equal to almost any mixing occasion. Saves the housewife many a tiresome task. Has universal motor that operates equally well on either 110 volts A.C. or 110 volts D.C. Beaters easily removable for cleaning. Finished in blue gray and nickel. Supplied complete with attachment plug. List, \$9.95. **\$7.00**

V18152—Year Cost



RAPID JUICE EXTRACTOR

The most practical Fruit Juice Extractor ever designed. No motor or revolving burr to chip off into the juice. Made of solid aluminum with long lever which provides sufficient leverage to extract all the juice with but slight pressure. Receptacle large enough to take half of large grape fruit. Has strainer at bottom to strain out the seeds. Feet are substantial and long enough to avoid tipping. They are rubber tipped on bottom to prevent marring polished surfaces. Height 10 Ins. Shpg. Wt., 6 Lbs. List, \$3.00. **\$1.79**

V18150—Year Cost



ROW TO HEALTH

DOROTHY JORDON
Metro Goldwyn Movie Star
Keeps Her Girlish Figure With



SEAT-OF-HEALTH

The Seat of Health gives you glowing health, freedom from fatigue, and rids your body of sluggishness. It puts a new sparkle in the eyes, strengthens

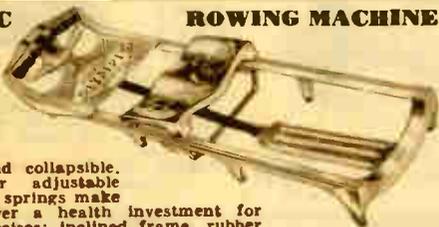
your delicate internal organs so that you will experience a new thrill in living. Enjoy better digestion and do away with the drowsy feeling after meals. A few minutes a day will circulate the blood, invigorate the tissues and clear the skin. With this new exerciser you not only strengthen the chest, arms, thighs, calves, ankles and feet, but you also stimulate the vital internal organs. An Exercise Chart is furnished with each machine, showing 20 different exercises and instructions for each exercise. Recommended by Leading Physicians and Physical Directors all over the world. Each Exerciser is portable, noiseless and only weighs 15 pounds.

S17796—Shpg. Wt., 20 Lbs. Your Cost..... **\$28.25**

OLYMPIC

ROWING MACHINE

A deluxe all-aluminum machine you'll be proud to own and use for a lifetime. Light in weight and collapsible.



Three power adjustable nickel-plated springs make Olympic Rowing a health investment for standing exercises; inclined frame, rubber floor guards, foot straps, noiseless wheels, every necessary and improved feature. Self lubricating wheel bearings—springs may be attached or detached to vary tension. No value like it anywhere. Shpg. Wt., 19 Lbs.

S17797—Your Cost..... **\$11.95**

ROW

TO HEALTH

Built with a handsome inclined frame of highly polished cherry wood, kiln-dried against warping. Comfortable aluminum seat glides on hard rubber wheels with self lubricating bearings.



Three powerful nicked springs provide single, double or triple resistance for youngest or strongest users. Platform for standing exercises. Rubber guards protect floor and carpets. A special feature is afforded in full-size foot pedals, adding comfort, security and arch support. Shpg. Wt., 20 Lbs.

S17798—Your Cost..... **\$6.75**

SUPER

BODY BUILDER The Only Machine With Moving Foot Pedals Under \$25.00

All-steel frame and seat, attractively enameled. Smooth running, hard rubber wheels. Stout webbing, aluminum V-shaped handle, adjustable spring connector, two powerful nicked springs, rubber floor guards, platform for standing exercises, inclined frame, makes this a big value machine useful to the entire family. A special and exclusive feature is the full-size arch support. MOVING foot pedals. Shpg. Wt., 22 Lbs.



S17799—Your Cost..... **\$4.75**

BATHROOM SCALE

Watch your weight with the "DE-TECTO" Low Boy. Created in the modern manner, it is simple, dignified and beautiful. New low platform measures but a scant three inches from the floor. More standing room. Compactness which is unbelievable. New dial—higher, clearer and nearer to the eye. Weighs up to 300 pounds. Finished in Ivory and Black. Guaranteed for Five Years.



S17795—Your Cost..... **\$4.75**

THERAPEUTIC LAMP

\$7.45

This Prometheus Infra Red Lamp provides soothing, penetrating heat rays for immediate relief of sprains, rheumatism, and similar pains. Also invaluable for treating colds and bronchial disorders. Equipped with 300 watt infra red generator of the non-radiant type. Mounted on heavy, attractive base, finished in crystalline enamel. May be used at any angle, or detached as a hand lamp. Shpg. Wt., 15 Lbs.



S17788—List \$9.95
Your Cost..... **\$7.45**

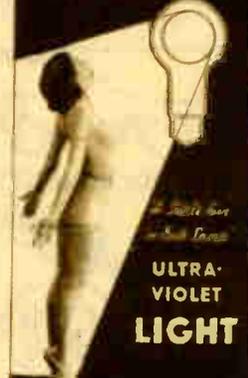
WHITE CROSS THERAPEUTIC LAMP



Equipped with a highly polished 8 1/2 In. aluminum reflector, a 260 watt genuine stereopticon bulb, white enameled wood handle and standard length cord and attachment plug. Designed for the purpose of giving heat treatments; relieving the pain and suffering of neuralgia, lumbago, rheumatism, etc. The rays from this lamp are also of inestimable benefit in the treatment of hair and scalp. For 110-125 volts. Shpg. Wt., 2 Lbs.

S17787—List \$3.50
Your Cost..... **\$2.34**

SIRIAN



SIRIAN Ultra-Violet Lamps herald an advance in healthful lighting. The beneficial rays from this lamp are mild and can be absorbed without danger. The special glass which is used positively prevents all short, harmful rays that are apt to burn. The "vitamin rays" of the Sirian Lamp act as a healthful tonic and build up resistance to disease. Sirian Ultra-Violet Lamps will replace any incandescent bulb—no additional apparatus or precautions are necessary—no noise or dirt. Merely put a Sirian Lamp into any socket and begin getting the advantages of their health-giving energy. Place Sirian Ultra-Violet Lamps in baby's room, in your favorite reading lamp, in the bathroom so your whole body will benefit—in fact, wherever lamps are used. With a Sirian Ultra-Violet Lamp in every socket of your home, you are provided with sunlike healthful illumination without respect to time of day, weather or season of year.

V18315—60 watt... \$.60
V18316—100 watt... .88
V18317—150 watt... 1.40
V18318—300 watt... 2.63

White Cross Adjustable Therapeutic Lamps

FLOOR TYPE
Cast iron base, nickel plated upright, upper section of which is flexible tubing adjustable to any position. Equipped with 260 watt genuine stereopticon bulb, standard length cord and attachment plug. Height 54 inches. Shpg. Wt., 6 Lbs.



S17789—List \$7.50
Your Cost..... **\$4.90**

TABLE TYPE
Identical with the above model except that its height is 30 Ins. Has 260 watt genuine stereopticon bulb, cord and plug. Shpg. Wt., 5 Lbs. List. \$6.50.

S17789—List \$6.50
Your Cost..... **\$4.25**

Prometheus ULTRA-VIOLET LAMP



This portable lamp combines many unique features for a sun lamp of its size. It provides a complete wavelength range, unhampered by glass obstructions. The wire mesh screen is provided for safety. At the end of a predetermined time, the arc automatically extinguishes itself, thus preventing possible over-exposure. Finished in sparkling crackle enamel. Size 17x13x9 inches. Complete with carbons and goggles. Shpg. Wt., 15 Lbs.

S17790—List \$14.95
Your Cost Each..... **\$11.20**

S17791—Sunshine Carbons
Per Box of 10. Your Cost, \$1.06



RIPPLES

Venetian Scenes are ever popular; here's one to which MOTION adds splendor to gorgeous color. Has three panels all different. In one, a lover serenades his sweetheart; in another a summer moon casts enchanting reflections on a half hidden lake; in another a sampan at rest for the night in the shadows of the harbor.

Equipped with bulb and silk cord. Size 9 1/2 x 5 1/4 inches. **\$3.50**

U18003—Your Cost

NIAGARA

Here is a true, colorful picture of America's most celebrated waterfall. When lighted you see this majestic body of water tumbling and boiling in all its splendor—and IN ACTION. Size 9 1/2 x 5 1/4 inches. Complete with bulb, silk cord and INCENSE BURNER.



U18000—Your Cost **\$3.50**

JAPANESE TWILIGHT



One of the most fascinating home lighting effects ever created. The silver beams of a full Japanese moon reflected by the rippling water at the base of Fujiyama in its ageless glory. Complete with silk cord and plug. Shpg. Wt., 8 Lbs.

U18006—Your Cost Each **\$4.50**

**SCENE-IN-ACTION
Decorative Lamps**

These novel Electric Lamps combine exquisite beauty of colored light with the fascination of movement and action. Essentially they consist of one translucent screen within the other, the inner of which is free to revolve. On the outside screen is painted the design. On the inner one numerous blends of colors impart an amazingly realistic appearance to the picture when it is set in motion by the upward currents of warm air generated by the burning light bulb inside. All models are equally beautiful and fascinating and will add a touch of novelty to home decoration that can not be obtained with any other type of illumination. They operate from any D.C. or A.C. light socket. Shipping weight, all Models 3 pounds unless specified.

COLONIAL FOUNTAIN



A fountain's gentle spray never fails to command interest. This graceful lamp continuously pictures a gentle stream of phosphorescent water. Bronze finish frame. Complete with cord and bulb. Shpg. Wt., 8 Lbs. **\$4.50**

U18004—Your Cost

FLAMES

This model brings three complete and individual scenes IN ACTION. On one panel is pictured a raging forest fire apparently destroying everything in its path, on another panel a ship taking fire after an encounter with pirates and the third a deer and its young taking shelter in a pool to escape a violent forest fire. Beautifully finished steel mounting. Size 9 1/2 x 5 1/4 ins. Complete with bulb and cord. **\$3.50**

U18002—Your Cost Each

FOREST FIRE

A dense northern forest; stately pines being consumed by a vicious raging fire so realistically represented IN ACTION that you almost seem to hear the cracking of branches. Has incense burner which, when used, imparts a delightful aroma. Complete with bulb and silk cord. Size 9 1/2 x 5 1/4 ins.

U18001—Your Cost **\$3.50**



SERENADER

Beautifully moulded white metal finished in antique bronze. Pictures a dreamer's castle in the air, with a pool of glistening water. When lighted it gives off a blend of color never before produced. Complete with cord. Shpg. Wt., 10 lbs. U18005—Your Cost **\$4.50**



BUSS LIGHTS



This convertible bronze lamp, enriched by a gold striping on the base and shade has been greatly acclaimed. Besides the ingenious characteristics illustrated in the diagram, a slot in the base may be used to hang the lamp on the wall like a permanent fixture. Measures 14 inches tall, complete with translucent shade, 9 foot cord and combination separable plug. Shpg. Wt., 5 lbs. **\$2.76**

ZV18309—Your Cost
A convertible bronze lamp, with characteristics similar to lamp above, our No. ZV18309, but measures 11 1/2 inches and is slightly different in design. Shpg. Wt., 4 lbs. **\$1.60**
ZV18340—Your Cost

DESK LAMP

Mahogany colored flexible arm Desk Lamp of exceptionally neat design. A wonderful utility lamp that can be adjusted to throw light in any direction.



V18311—Your Cost **98c**

Shpg. weight 5 lbs.

NATIONALLY ADVERTISED

REBUILT VACUUM CLEANERS SAVE 1/2
The Only Difference is the Price!

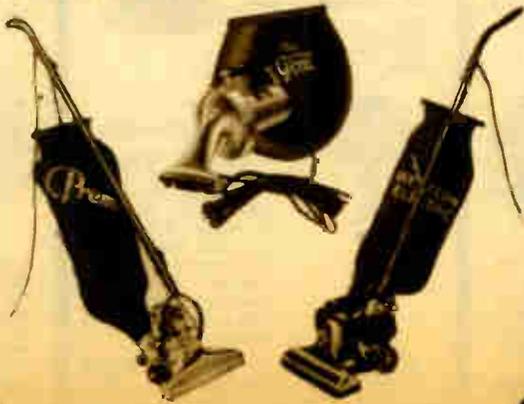
FAMOUS MAKES entirely rebuilt—NEW bags, NEW bearings, NEW finish and NEW machine Service, Appearance and Action. Fully warranted with GUARANTEE BOND. CURRENT MODELS identical with those now being produced. BEWARE of low priced re-conditioned machines, they are obsolete and discontinued models and may be years old!

LATEST MODEL PREMIER: Straight suction. Fixed brush. Pistol grip handle. Switch in handle. Polished aluminum housing. 13-inch nozzle. Completely re-conditioned. YOU CAN'T TELL THEM FROM NEW MACHINES. For 110 volts A.C. **\$12.75**
S17781—Our Special Price

WESTERN ELECTRIC: A very famous make, reconditioned to give years of service and new machine performance. Switch in housing gives either straight suction or suction with MOTOR DRIVEN BRUSH. Pistol grip handle. Switch in handle. Black enameled steel housing. 12 in. polished aluminum nozzle. **\$14.25**
S17782—Our Special Price

S17783—**\$4.15**
Premier Attachments
S17784—**\$4.15**
Western Electric Attachments

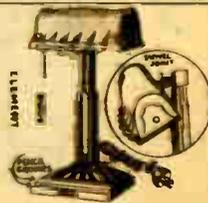
NEW LITTLE GEM HAND TYPE. Combines the best engineering features of large cleaners with great economy of weight. Oilless self aligning bearings, cast aluminum housing, nozzle and fan case, long sloping nozzle, oversize quick detachable red leatherette bag, aluminum bag clamp. Nothing more convenient for cleaning upholstered furniture and auto interiors. THIS MACHINE IS BRAND NEW. **\$9.25**
S17785—Our Special Price



PORTABLE BRIDGE LAMPS



Something entirely new and practical—electric reflector Lamps for the card table. Indispensable for outdoor card games and a great convenience indoors. Consists of two lamps with heart and club shaped trays having receptacles for two beverage glasses and an ash receiver. Rigidly held in place by brackets attached to table. Instantly removable. Metal parts are durably finished in lacquer, one red and the other black. 13 inches high. Reflectors are 6 1/2 ins. in diameter. Furnished with 10 ft. silk extension cord with extra outlet for attaching the second lamp. Shpg. Wt., 12 lbs. **\$5.25**
V18319—Your Cost, Per Pr



DeLuxe Desk Lamp
Artistically finished in mahogany with antique bronze mottle effect. Shade is suspended on ball joint which permits of adjustment to suit the user. Has rack for pen and pencil. A very attractive Desk Lamp at a low price. Shpg. Wt., 7 lbs. **\$2.59**
V18320—Your Cost

Musical Novelty Manicure Set



Raise the lid of this eleven-piece manicure set and a delightful melody entertains Milady while she manicures her nails. The instruments of the set are of

fine steel, gold plated trimmings, and handles of beautiful green and white cellulose composition. Instruments included are one cuticle scissors, one nail scissors, one nail file, one chamois buffer, two nail polish boxes, two nail cleaners and two cuticle sticks. Cover of case has good mirror. Case is plush lined and covered in durable green material. Shpg. Wt., 3 Lbs.

V18069—List, \$12.00. Your Cost..... **\$6⁹⁵**



GIFTS

THERM-O-CLOCK

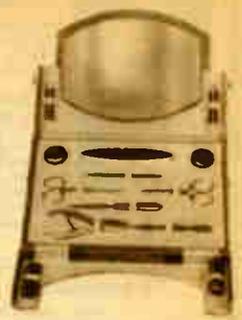


This is the kind of thermometer people want to own. Inspires an immediate and interesting curiosity that puts zest into its use. Though extremely simple in construction, it embraces a new and revolutionary principle of accurate registering temperatures. May be dropped or placed in water without destroying its absolute accuracy.

Hand operates completely around the dial. Mahogany finished case. V18068—Shpg. Wt., 1 lb. Your Cost, Each..... **75^c**

14-Piece Manicure Set

14 useful manicure articles of good quality steel and smart red cellulose composition. Handsome pink, plush lined case with good mirror in top. Set has buffer, scissors and clippers in addition to small tools. Size 7 1/4 x 10 x 1 1/2 Ins. Shpg. Wt., 2 Lbs. List, \$3.00



V18060—Your Cost Each..... **\$1⁶⁵**



PEERLESS PIPE SET

A straight stem pipe, cigar holder and cigarette holder in plush lined gift box. Bowls made of beautiful clouded vitreous material not easily broken. Pipe bowl lined with genuine briar. A set that can not be duplicated elsewhere at anything near the price and one that will make an appreciated gift for any pipe smoker. Shpg. Wt., 1 1/2 Lbs. List, \$2.50

V18061—Your Cost..... **\$1³⁰**

LONDON FASHION



PIPE SET

Set consists of two pipes, a cigar holder and a cigarette holder in handsome plush lined presentation case. These articles are made of a new ivory colored material with clouded marble effect. The pipes have genuine briar inlays. Fine quality Bakelite stems. Shpg. Wt., 2 lbs.

V18062—List, \$4.50. Your Cost, Each..... **\$2³⁵**



These Ash Receivers have patented paper cups inside, treated with perfumed deodorant that eliminates smoke odor, a feature which will be appreciated by both smoker and housewife. Enough perfumed cups to last several months with each receiver.



The "Special"

The lowest price "Sani - Tray." Black enamel patented top, finished in two-tone green. An ideal inexpensive gift item. Size, 2 ins. high, 4 ins. wide.

V18063—Your Cost, Each..... **59^c**

The "Master"

The most popular of the line. Polished chrome metal top, two-tone bronze finished body. Size, 3 1/4 ins. high, 4 ins. wide.

V18064—Your Cost, Each..... **78^c**



The "Grecian"

A compact, beautiful, ornamental floor stand in two-tone color effect. Has tray to match which can be used for glasses, cigarettes, pipes, matches, etc. Black baked enamel top. 25 inches high, tray 11 1/4 ins. in diameter.

V18065—Your Cost..... **\$2⁴⁹**

NEW VIDRIO BRIDGE SET

A very attractive individual ash tray set for the bridge table. Produced from the famous VIDRIO material of imitation onyx that makes it outstanding for bridge prizes and gift purposes. Trays are individually packed in gift boxes of 4 to the set. Shpg. Wt., 2 lbs.

V18066—Your Cost..... **69^c**

Lamp-O-Lite

39^c



Electricity's gift to the smoker. Designed to replace the ordinary pull chain used on floor lamps. Simply unscrew the bulb and attach the Lamp-O-Lite and replace the bulb. By attaching the pull chain to the cord of the lighter you have a combination cigar lighter and pull chain in one practical unit. Complete with silk cord, socket attachment and molded tassel, with lighter element.

V18067—List, 75c. Your Cost, Each..... **39^c**

MICRO-LIGHTER

Something entirely new and novel in the way of a cigarette lighter. Looks exactly like a miniature microphone. Will capture the imagination of every "radio minded" person who sees it. Has a high grade lighter element in center controlled by push button on top. Finished in antique bronze or chromium. Has felt padded base to prevent marring furniture. Size, 2 1/2 ins. diameter, 3 1/4 ins. high. Complete with silk cord and plug.



V18300—Chromium. Your Cost... **85^c**

VIDRIO DeLUXE SMOKER'S SET

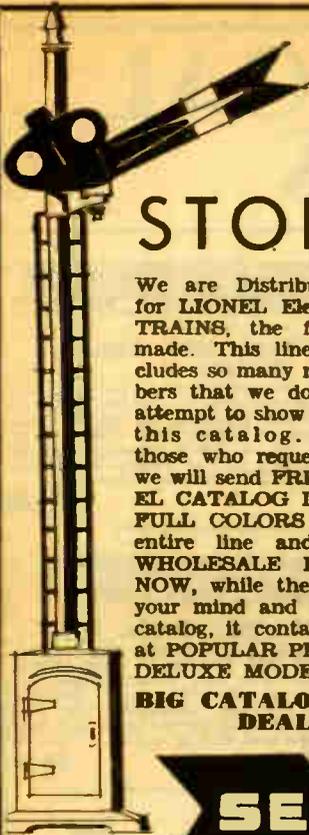
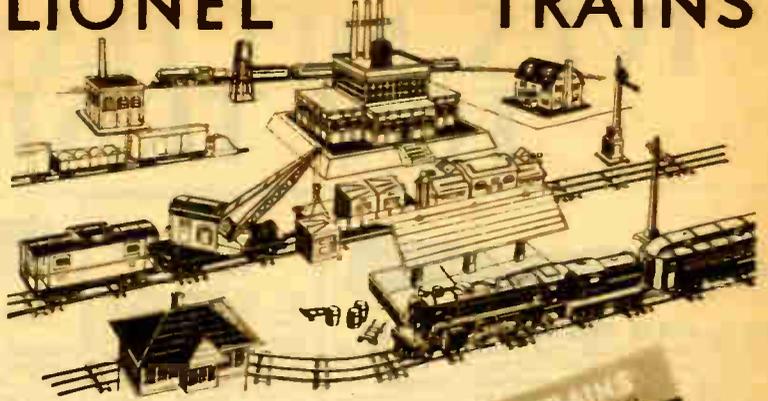


49^c

A beautiful, fully automatic electric cigar lighter with tray to match. Designed for the most discriminating user and of exceptional quality. Tray and lighter are of VIDRIO material which closely simulates green onyx. Tray, 6 x 4 ins. Lighter, 2 1/2 x 2 ins. Shpg. Wt., 2 lbs.

V18068—Your Cost, Each..... **49^c**

LIONEL ELECTRIC TRAINS

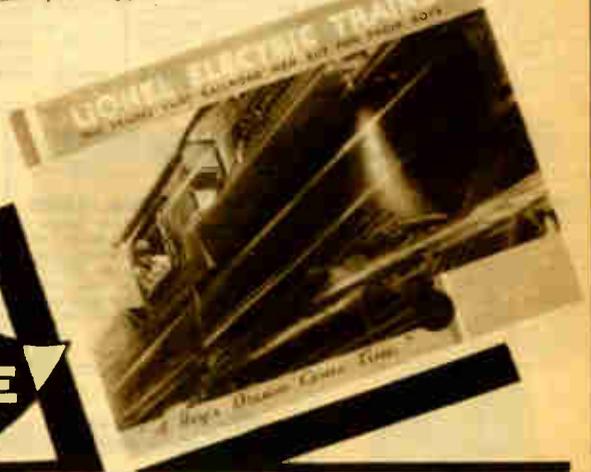


STOP!

We are Distributors for LIONEL Electric TRAINS, the finest made. This line includes so many numbers that we do not attempt to show it in this catalog. To those who request it we will send FREE a beautiful LIONEL CATALOG LITHOGRAPHED IN FULL COLORS fully describing the entire line and quoting LOWEST WHOLESALE PRICES. Sit down NOW, while the thought is fresh in your mind and send for this special catalog, it contains many new items at POPULAR PRICES as well as the DELUXE MODELS.

BIG CATALOG QUOTING DEALER'S DISCOUNT

SENT FREE



New Parlor Game Boards

These new "ball in the hole" games are capturing the interest of America as no other game has since Ping-Pong. They are immensely popular not only because they appeal to old and young alike, but also because they are games of skill—the more one plays the better one gets. Balls are expelled by spring plunger and gravitate down the inclined board, falling in one of the several holes or enclosures—each registering different scoring points. Hundreds of pegs keep the ball bouncing here and there as it slowly rolls down, adding to the expectancy and interest of each "shot."

BIG BOY: Ten scoring positions, five balls. Walnut-stained board, 12½x24 In. Shpg. Wt., 5 Lbs. **\$110**

BIG TOP: Fifteen scoring positions, five balls. Green lacquered board with two-color stencil design. Size 14x27½ In. Shpg. Wt., 6 lbs. **\$220**

PARLOR GOLF: A big seventeen scoring position board with ten balls. Board is made of select hardwood, shaded and finished in American walnut. Size 18x36 In. Shpg. Wt., 9 Lbs. **\$440**

EXPO DELUXE BOX CAMERA
T17835
 Your Cost **65¢**
FILMS
T17836
 8-Exposure Roll **22¢**

An amazing bargain! Makes pictures so sharp that excellent enlargements can be made from them. Requires no focusing or skill to manipulate—simply open the back, insert the films and the camera is ready for operation. Complete in every detail including reversible view finder, time exposure and snap-shot shutter. Same lens as those used in much more expensive cameras. Makes pictures 1½x2½ In. Shpg. Wt., 2 Lbs.

EXPO WATCH CAMERA
Police, Reporters, Investigators, Use This!

Small as a watch—easily concealed in the palm of the hand. Carried in the pocket or handbag. Fine lens that makes sharp pictures, that permit of great enlargement. Makes 20 pictures about the size of a postage stamp with each loading. Has Expo easy-load film. Carry one of these handy little cameras with you always and you'll never miss a picture. Unexcelled for taking pictures unobserved. Camera and film packed in neat gift case. Shpg. Wt., 2 Lbs. List, \$5.00. **\$397**
T17833—Your Cost **27¢**
T17834—
 Film Roll of 20 Exposures..... **27¢**

JUNIOR APPLIANCE SET
 For MILADY of the FUTURE and her MOTHER

Here is a novelty that will certainly capture the market this year—a waffle iron that makes waffles pancake size, a delicious golden brown dainty every 2½ minutes. Silvery nickel finish with beautiful etched design. A 2-cup percolator of aluminum that makes delicious coffee. And, a new 1½-pound iron with gleaming nickel finish and gay red handle. Base is 4½ In. long, maximum temperature, 450 degrees F. All appliances equipped with silk cord and 2-piece plug. The three pieces packed in attractive display box. Be the first in your vicinity to display these items—the publicity will build up your entire store. Shpg. Wt., 8 Lbs. **\$17318—Set Complete. List \$5.00. \$299**
 Your Cost

Sunbeam
 THE BEST ELECTRIC APPLIANCES MADE

SMOKE-MASTER

A distinguished smoker's article that lights cigarettes electrically, and delivers them automatically. No bother with matches or wicks, flints or fluids. A quick light and a perfect one every time. Hand-some black Bakelite case combined with chrome. Cabinet holds a generous supply of cigarettes. Has a removable ash tray and convenient snuffer. Shpg. Wt., 5 Lbs. **V18314—List, \$6.50. \$455**
 Your Cost

IVES MECHANICAL TOY TRAINS



23 1/2-INCH FREIGHT No. 1591

An exceedingly realistic Toy Freight Train at an amazingly low price. Fast and sturdy. Red enameled spring motor driven locomotive, gondola car and caboose. Outfit includes four sections of curved track and two sections of straight track for making oval 20x29 inches. Train is 23 1/2 inches long. Shpg. Wt., 3 lbs.

4817370—List price \$1.25

Your Cost

81¢

IVES MECHANICAL TRAINS
are "O" gauge and are interchangeable with all other "O" gauge equipment regardless of manufacture. The Locomotives of this line are driven by a strong spring wound motor and develop amazing speed. Each Locomotive is equipped with Double Gong Bell and Brake.



Passenger Train With Figure 8 Track

Consists of a red enameled spring motor driven Locomotive, and two beautifully finished Pullman Cars. Complete train measures 23 inches long. There are 12 sections of curved track, 4 sections of straight track and one 90 degree crossing; making a "figure eight" layout 17 x 63 inches—an exceptional feature. Shpg. Wt., 4 1/2 Lbs. List \$2.00.

4817371—

Your Cost

\$1.90



29 1/2-INCH PASSENGER TRAIN No. 1590

Nothing on the market compares with the quality and detail of this mechanical passenger outfit. Finished in attractive, rich colors. Locomotive and tender are made of steel and are enameled brilliant red with copper trimmings. The three Pullman Cars are replete with realistic detail and are colored red, yellow and blue. Has four sections of curved track and two sections of straight track to make an oval 29 x 20 inches. Train is 29 1/2 inches long. Shpg. Wt., 4 Lbs. List \$1.25.

4817372—Year Cost

81¢



32-INCH PASSENGER TRAIN No. 1594

This large Passenger Outfit is headed by the biggest, most powerful Locomotive in the mechanical field, finished in black enamel and trimmed in copper. Complete with bell, brake, piston rods and die-cast wheels. Has three big interesting cars: Baggage Car with sliding doors, Pullman Car and Observation Car with brass trimmed platform. Eight sections of curved track and four sections of straight track to make oval 27 x 45 inches. Train is 32 inches long. Shpg. Wt., 6 Lbs.

4817373—List, \$3.00. Your Cost

\$1.95



TUNNEL

A fine Tunnel for Mechanical Trains. Made of strong composition, hand decorated. Shpg. Wt., 1 Lb.

4817382—List, 65c.

Your Cost

42¢



38-INCH FREIGHT TRAIN No. 1595

The longest Mechanical Freight Train of them all. Has a powerful Locomotive beautifully finished in black enamel with copper trimmings. Has four very realistic freight cars including, Gondola, Box Car with sliding doors, aluminum finished Tank or Oil Car and brass trimmed Caboose. Eight sections of curved track and four sections of straight track making an oval 27 x 45 inches. Length of complete train, 38 inches. Shpg. Wt., 6 Lbs. List \$3.00.

4817374—Your Cost

\$1.95



SWITCH

Has red and green signal discs and hand lever. 9 1/2 inches long. State whether right or left hand is wanted. Shpg. Wt., 8 oz.

4817383—List, 90c.

Your Cost

59¢



STATION

Metal construction throughout. Beautifully decorated. Suitable for use with all mechanical railroads. Size, 5 1/2 inches long, 4 inches high. Shpg. Wt., 1 Lb.

4817380—List 35c.

Your Cost

23¢

COMPLETE MECHANICAL RAILROADS

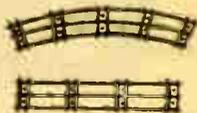
No. 1596

The leader of the Mechanical Line. A complete outfit including the most realistic equipment. A big Locomotive, Baggage Car, Pullman Car, Observation Car, 10 sections curved track, 6 sections straight track, a pair of Switches, Double Arm Semaphore, Clock, Warning Signal, 6 Telegraph Posts, Water Tank, Tunnel and Station. Train, 32 inches long. Track oval, 27 x 62 inches. The lowest price complete mechanical railroad obtainable. Shpg. Wt., 8 Lbs.



4817376—List \$5.00. Your Cost

\$3.25



TRACK

MWC—Curved Track. 8 sections make 27-inch circle. List 10c.

4817384—Year Cost, Per section

07¢



MC—Curved Track. 4 sections make 30-inch circle. List 10c.

4817385—Year Cost, Per section

07¢

MS—Straight Track. Sections 9 inches long. List 10c.

4817386—Year Cost, Per section

07¢

ACCESSORY SET

Accessory Set. A new series that will add a finishing touch to all mechanical railroads. Comprises Clock, Warning Signal, Semaphore, Crossing Gate, and 4 Telegraph Posts. Attractively boxed. Shpg. Wt., 1 1/2 Lbs.

4817388—List \$1.00

Your Cost

65¢



90° Crossing

Mounted on strong ornamental base. Crossing is 7 inches square.

In connection with 4 sections of straight track and 12 sections of MWC curved track this makes a figure "8" track 27 x 63 inches. Shpg. Wt., 8 oz.

4817394—List 35c

Your Cost

00¢

No. 1593

Speed—Realism—All the thrills of railroad-ing are present with this splendid mechanical outfit. Comprises a richly enameled Locomotive with bell, brake and three fine cars. Warning Signal, Station, Clock, 4 Telegraph Posts, 4 sections curved track and 6 sections straight track making oval 20 x 46 inches. Train, 29 1/2 inches long. Shpg. Wt., 7 Lbs. List \$2.50.

4817375—

Your Cost

\$1.95



Freight Cars

A desirable combination of four freight cars: Gondola, Oil Car, Box Car and Caboose. Handsomely decorated. Attractive box. Shpg. Wt., 1 Lb. List \$1.00.

4817381—

Your Cost

65¢



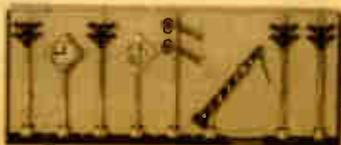
Water Tank Tower

A realistic accessory. 9 inches high. Tank mounted on structural steel support. Movable spout. Shpg. Wt., 1 Lb.

4817392—List 75c.

Your Cost

49¢



IVES

ELECTRIC TRAINS

IVES

"O" GAUGE

IVES were the first to make miniature trains to run on tracks, the first to make trains to run under their own power and the first to bring out the remarkable remote control system. It can truly be said that Ives parallels the inventive genius of modern railroading for Ives 1932 models are not only replicas of the finest railroads found in the world today but they are marvels of mechanical efficiency.

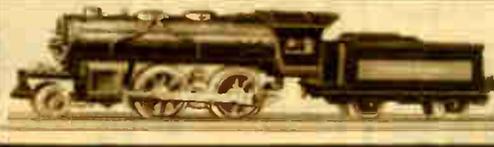


ELECTRIC TYPE PASSENGER OUTFIT

Never before has such construction, realism, beauty and color been achieved in an outfit priced so low. A beautifully proportioned train—just rarin' to go. Consists of an electric type Locomotive finished in a rich, cardinal red with brass trimmings. A sturdy built and realistically detailed Locomotive. Has electric headlight, pantagraph, flagholders, copper journals and hand rails.

Powered by the famous Ives motor. Two Pullman cars and an Observation Car gayly colored and handsomely trimmed in brass. Eight sections curved and 2 sections straight "O" gauged Track—makes an oval 40 x 30 inches. Packed in Tunnel Box. Shpg. Wt., 9 lbs. **\$4.08**

S17377—List, \$5.95. Your Cost.....



STEAM TYPE FREIGHT OUTFIT

The boy whose privilege it is to own and operate this Ives Train is indeed lucky. With such perfection for his constant inspiration—with such constructive recreation for his daily play, he is preparing himself for the tasks of the future. This is one of the most striking outfits in the Ives Line. Consists of a big steam type Electric Locomotive and Tender with concealed headlight which throws a powerful ray. It is enameled in rich black and elaborately decorated with copper exhaust pipes and sand domes. Has a two-

wheel pilot truck and four driving wheels with realistic piston action. A very realistic Box Car with sliding doors, two four-wheel trucks and copper journal boxes. Yellow body blue roof. An aluminum finished Oil Car also with brass trimmings and a gay red caboose, copper trimmed. Eight sections curved and two sections of "O" gauge Track which makes a 30 x 40 inch oval. Packed in Tunnel Box. Shpg. Wt., 9 lbs. **\$5.45**

S17378—List, \$7.95. Your Cost.....

50 WATT TRANSFORMER

Steps 110 volts A.C. down to 6 to 13.3 volts in 6 progressive steps for operating toy Trains listed on this page. Shpg. Wt., 3 lbs. **\$2.06**



TUNNEL BOX

The Trains on this page are packed in the famous Ives Tunnel Box. By cutting the perforated openings on each end you have a realistic additional accessory.



"O" GAUGE TRACK

Curved sections, 11 ins. long. **4S17357—List, 20c. Your Cost 14c**
Straight Track in 10 1/2 in. sections. **4S17358—List, 20c. Your Cost 14c**



IVES DELUXE STEAM TYPE FREIGHT OUTFIT

The great railroad systems of tomorrow will look for their leaders to the Ives' boys of today. No "O" gauge outfit could more nearly approach the operation of real, rumbling freight trains than this business-like outfit. It is the best proportioned and most realistic train of its class ever produced and finished in harmonizing colors. It has a big REVERSIBLE TYPE Locomotive with custom built and exceptionally powerful motor. Steel stamped and realistic to the last detail. Equipped with two-wheel pilot truck, four-wheel drivers and double pistons with realistic "monkey motion" valve gear. The Tender has two sets of four-wheel trucks with copper journal boxes. A Cattle Car with sliding doors, front and rear ladders of brass, two four-wheel trucks with copper journal boxes. A Gondola Car and a Box Car finished and decorated like the Cattle Car and big Caboose with front and rear platforms. Eight sections of curved and six sections of "O" gauge straight track make an oval 60 x 30 inches. Packed in Tunnel Box. Shpg. Wt., 10 lbs. **\$8.58**

S17379—List, \$12.50. Your Cost.....



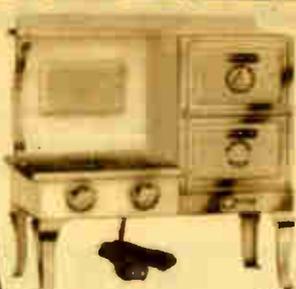
Toy Electric Stoves that Actually Cook and Bake



MODERN CABINET RANGE

Furnished with aluminum utensils on display card as illustrated. Makes a display that will attract attention. Has two elements, one under oven. Finished in green and ivory baked enamel. Guaranteed water-breakable. Safety element; tested water proof. Complete with aluminum sauce pan and cake pan; cord and plug. Size 8 1/4 x 8 x 4 1/4 inches. Shpg. Wt., 3 1/2 Lbs.

S17304—**70c**
Your Cost Each.....



TWO OVEN MODEL

Very realistic Toy Electric Range. Has two ovens and accurate heat indicator. Two switches control plate and oven elements. Finished in two-tone ivory baked enamel with polished nickel legs, stove top, and trimmings. Has aluminum tea kettle, cake pan and pie plate. Approved by Underwriters. Size 15 1/4 x 15 x 8 1/2 ins. Consumes 600 watts. Complete with cord and plug. Shpg. Wt., 14 Lbs.

S17303—**\$8.40**
Your Cost.....



NEW DESIGN RANGE

Durably constructed of heavy gauge steel, baked-on enamel. Has attractive silhouette design. Extra large, size 12 1/2 x 9 x 6 1/2 ins. Consumes 225 watts. Has two elements, one beneath oven. Furnished with six aluminum utensils on display card as illustrated. Complete with cord and plug.

S17305—Your Cost **\$1.05**



NICKEL POPULAR PRICED RANGE

Ruggedly constructed. Finished in green baked enamel with ivory and polished nickel trimming. Silhouette design on back. Has aluminum tea kettle, cake pan and pie plate.

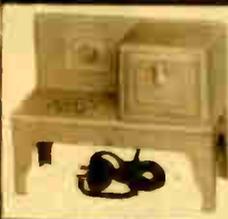
Size 14 x 12 x 6 inches. Approved by Underwriters. Shpg. Wt., 9 Lbs. **\$2.10**
S17306—Your Cost.....



NICKEL TRIMMED RANGE

Cooks and bakes very efficiently. Accurate thermometer gives oven temperature. Has switch control. Finish: green and ivory baked enamel with nickeled legs and stove top. Has aluminum tea kettle, cake pan and pie plate.

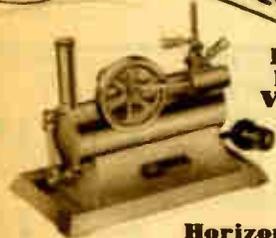
Size 14 x 12 x 6 1/2 inches. Approved by Underwriters. Complete with cord and plug. Shpg. Wt., 9 Lbs. S17307—**\$3.50**
Your Cost.....



BIG VALUE Only 47c

The lowest priced electric range ever sold. Green and ivory enamel finish. Size 8 1/4 x 4 x 7 inches. Complete with cord and plug. Shpg. Wt., 3 Lbs. S17308—Your Cost **47c**

STEAM ENGINES



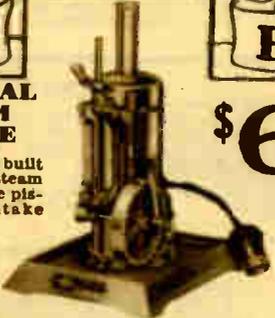
For 110 Volts

Horizontal Electric Steam Engine

Built to give years of service. Heavy gauge seamless copper boiler. Has intake and exhaust side valves. All parts accurately machined. Has water gauge, whistle, safety valve and throttle. Red enamel and nickel finish. Size 9 1/2 x 7 1/4 x 5 1/2 inches. Shpg. Wt., 8 Lbs. **\$6.95**
S17313—Your Cost Each.....

VERTICAL STEAM ENGINE

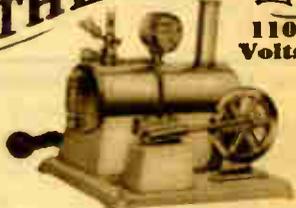
Designed and built like a large steam engine. Large piston and intake valve. All parts accurately machined. Seamless copper boiler. Equipped with throttle, safety valve, water gauge and whistle. Exceptionally fast starting. Finished in red enamel and polished nickel. Size 10 x 7 1/4 x 6 inches. Shpg. Wt., 8 Lbs. S17312—**\$6.95**
Your Cost Each.....



\$6.95 Net

For 110 Volts

FOR THE BOYS



110 Volts

Double Action Engine

Has speed gauge. Seamless copper boiler. Red enamel and polished nickel finish. Fully guaranteed. Built to give years of service. Has safety valve, water gauge, speed gauge, throttle valve and whistle. Accurately machined parts. Size 8 x 6 1/2 x 6 1/2 ins. Shpg. Wt., 7 Lbs. S17314—**\$5.25**
Your Cost.....

Gold Seal "Junior Miss" or Week End Iron

This wonderful little iron is equal in every particular to the regulation full-size iron with the exception that it is smaller in size. It is light enough to be handled by the little miss without tiring her arm. Genuine Nichrome element that will last for years. Highly polished nickel plated. Complete with cord and plug. Very popular as week-end and traveling iron with "grow-ups." Shpg. Wt., 6 Lbs. **\$5.9c**
V18179—Your Cost.....

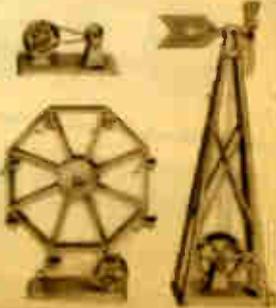


STEAM ENGINE ACCESSORIES

FERRIS WHEEL: Looks and runs like a real ferris wheel. Red and green enamel finish, trimmed in nickel. Size 15 x 14 x 6 1/2 inches. Shpg. Wt., 6 Lbs. S17315—**\$2.60**
Your Cost Each.....

SPEED UNIT: Ten or twelve toys can be run at one time at many different speeds with this accessory. Shpg. Wt., 4 Lbs. **\$1.75**
S17316—Your Cost.....

WINDMILL PUMP: Actually pumps water in continuous stream. Fan revolves when pump operates. Size 24x9 1/2 x 7 inches. Shpg. Wt., 8 Lbs. **\$3.50**
S17317—Your Cost Each.....





REGISTERED TRADE MARK

CHEMCRAFT

THE CHEMICAL OUTFIT

CHEMCRAFT No. 10

Another complete chemical laboratory in a wooden cabinet with separate tube racks. Contains 98 chemicals and pieces of apparatus. Contains many rare and costly chemicals permitting more experiments; manual explains over 500. A very practical outfit. Size, 23"x12x2 3/4" in. Shpg. Wt., 11 lbs.

4817362—List \$10.00. Year Cost... **\$735**

CHEMCRAFT No. 5

This set comprises a practical chemical laboratory. Packed in a substantial wooden cabinet which provides a place to keep chemicals and apparatus in good condition always. 60 chemicals and pieces of apparatus. Manual explains 360 fine experiments and tricks. The most popular CHEMCRAFT set. Size, 17x11 1/2 x 2 3/4" in. Shpg. Wt., 7 lbs. List \$5.00.

4817360—Year Cost, Each... **\$367**

CHEMCRAFT No. 8

Designed for boys and girls who wish to carry their CHEMCRAFT to school. Packed in a strong carrying case covered with leatherette and fitted with handle. Front of case drops down when cover is opened. 67 chemicals and pieces of apparatus. Manual explains over 430 scientific experiments and tricks. Size, 14"x11 1/2 x 4 3/4" ins. Shpg. Wt., 9 lbs.

4817361—List, \$8.00.
Year Cost, **\$588**
Each

CHEMCRAFT No. 1

CHEMCRAFT No. 1

The beginner's outfit. The manual of instruction contains much interesting and useful information and a knowledge of elementary chemistry. Set contains 20 different chemicals and pieces of apparatus; everything required for performing the 125 scientific experiments and tricks explained in the manual. Box label lithographed in colors; wrapped in glassine. Size 12 1/2 x 9 1/2 x 1 1/2 inches. Shpg. Wt., 2 1/2 lbs. List \$1.00

4817367—Year Cost Each... **73c**

CHEMCRAFT No. 2

This set contains 29 different chemicals and pieces of apparatus. Manual explains more than 180 scientific experiments and tricks. Liberal quantities of all chemicals. Box label lithographed in colors, wrapped in glassine. Size, 15 1/2 x 10 1/2 x 1 1/2 in. Shpg. Wt., 3 lbs.

4817368—List \$2.00. **\$147**
Year Cost, Each

CHEMCRAFT No. 3 1/2

A larger set containing a more varied and useful assortment of chemicals. 43 chemicals and pieces of apparatus in this set. Manual describes 265 scientific experiments and tricks. Enough material to perform experiments many times. Box label lithographed in colors, glassine wrapped. Size, 18x12x1 1/2 in. Shpg. Wt., 4 1/2 lbs.

4817369—List \$3.50. **\$257**
Year Cost, Each

CHEMCRAFT No. 25

The most complete chemical set obtainable as a single unit. Illustrated above. This home chemical laboratory contains everything needed by the experimenter for a most extensive course in chemistry. Entire set packed in a substantial wood cabinet which serves both as a place to keep the articles and a work bench. Every item has a place. Enameled work tray. Cabinet size (open), 57x15 1/2 x 21 in. Shpg. Wt., 31 lbs.

4817364—List \$25.00. **\$1837**
Year Cost

CHEMCRAFT No. 15

Contains 122 chemicals and pieces of apparatus in hinged wooden cabinet. Manual explains 340 chemical experiments, including every popular branch of chemistry. Cabinet has compartment for each article. Size, 24 1/2 x 12 x 3 3/4 in. Shpg. Wt., 16 lbs.

4817363—List \$15.00. **\$1193**
Year Cost



TINKERTOY

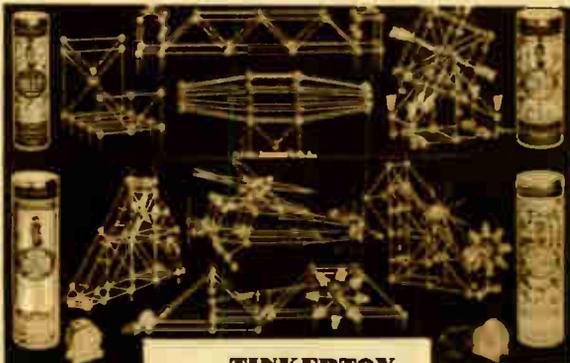
Makes moving models, operated manually or by wind power; also still models such as bed, bridge, etc. Teaches elementary mechanics and construction. Set consists of enough spools, rods and blades for a thousand different moving figures. Instruction book furnished. Shpg. Wt., 2 lbs.

4817366—Year Cost... **56c**

MOTOR TINKERTOY

The ten thousand wonder builder. New designs, special parts, dependable clock spring motor with stop and go switch. Furnishes power to run models two to four minutes without rewinding. Rods and spools of New England birch. Instruction book furnished. Shpg. Wt., 4 lbs.

4817368—Year Cost **\$24**



TINKERTOY The Thousand Wonder Builder

DOUBLE TINKERTOY

Operates same as Tinkertoy but has more than twice as many parts. Builds all the simple forms as well as more elaborate models, such as Dirigible and rolling Ferris Wheel. Shpg. Wt., 3 lbs.

4817367—Year Cost... **\$112**

ELECTRIC TINKERTOY

Thousands of models such as those shown at left can be made with the electric Tinkertoy. Has A.C. Electric Motor for 105-125 volt 50-60 cycle current; no transformer, brushes or sparks. Perfectly safe, continuous power either direction. Stop and go clutch. All other parts same as motor Tinkertoy. 28 page instruction book. Shpg. Wt., 5 lbs.

4817368—Year Cost... **\$220**



7-Piece Toy Coffee Maker Set

Nothing will delight the tots more than these aluminum KIDDYKOOK cooking sets. 7 pieces—2 cups, 2 saucers, 2 plates and a coffee maker of polished aluminum. Attractive box, size 10x10x

2 1/2 in. Shpg. Wt., 2 lbs. 4817360—Year Cost, Each... **38c**



20-Piece Toy Coffee Maker Set

20 polished aluminum utensils just like mother uses: Coffee maker, hot pad, 4 cups, 4 saucers, 4 plates, 4 napkin rings with napkins, sugar and creamer. Beautiful box, size 18x11x3 3/4 in. Shpg. Wt., 2 lbs.

4817362—Year Cost, For Set... **73c**

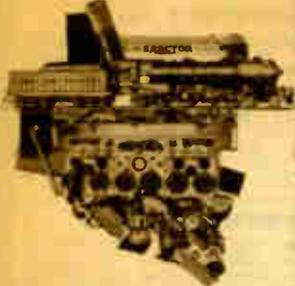


20-Piece Percolator Toy Set

This one has a real Percolator (Body, Top and Insert), 4 cups, 4 saucers, 4 plates, 4 spoons, and hot pad. All made of polished aluminum in an attractive gift box, size 18x11x3 3/4 in. Shpg. Wt., 2 lbs.

4817301—Year Cost, Each... **73c**

RAILROAD OUTFITS



THE WORLD'S CHAMPION: builds great 4-foot locomotive and tender and 405 other mind rousing models. Contains all parts in smaller outfits and 75 brand new additional ones. Makes various cars, derricks, engines and boilers as well as many small models. Outfit includes small 6-12 volt battery operating electric motor, which makes many of the models hum with action. Instruction Manual also included. Size of box 29 1/2 x 10 3/4 x 5 1/2 ins. Shpg. Wt., 42 Lbs. **4817342—List \$30.00 \$22.50**
Your Cost



A slightly smaller Railroad Outfit. Builds giant locomotive and 12 other models including Pumping Station, Yard Engine, Air Compressor, and other exciting models. Contains many brand new parts including engine frame, drive wheels, boiler section, cylinders, connecting rods, valve levers, cab and others. Packed in red brass bound chest with brass handle grips. Size 22 1/2 x 10 3/4 x 5 1/2 ins. Shpg. Wt., 27 Lbs. List, \$12.95 **\$9.70**
4817343—Your Cost.....



ERECTOR

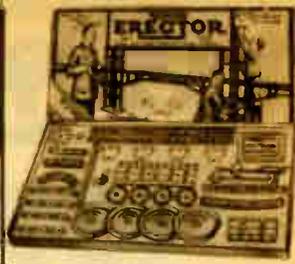
There is practically no limit of possibilities with these wonderful Construction Toy Outfits. Made of structural steel, plated and some parts brilliantly enameled in colors and electrically baked. Many engineering feats can be reproduced, such as bridges, locomotives, cars, cranes, autos, etc. This line of toys is both educational and amusing for boys.



Erector Set No. 4 builds bridges, cranes, derricks, etc. Has powerful electric motor and assembled gear box which enables boys to operate the models they build. The gear box is for reversing, transmitting, increasing and regulating power and speed. Attractive container, size 18x10x2 1/2 inches. Builds over 293 models. Shpg. Wt., 6 Lbs. Regular Price, \$5.00. **\$3.75**
4817345—Our Price.....



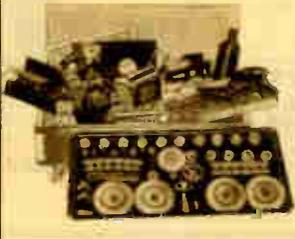
A dandy set for the beginner and smaller boy. Builds the big square girder and has easily understood instruction manual that shows how to build over 100 models with parts furnished. Size of box 12 1/2 x 8 1/2 x 4 inches. Shpg. Wt., 3 Lbs. Regular Price, \$1.00. **75¢**
4817329—Our Price.....



No. 3. The Set With Long Girders. Larger set. Size, 18 x 10 x 11 ins. Builds over 200 realistic models. Shpg. Wt., 3 1/2 Lbs. Regular Price, \$2.50. **\$1.87**
4817347—Our Price.....



No. 6. The set that builds the Boiler Models. Contains all feature parts for boiler models. Display and model building tray, assembled gear box and electric motor. Size, 8 1/4 x 3 x 21 1/2 ins. Builds over 325 models. Shpg. Wt., 15 Lbs. Regular Price, \$6.00. **\$4.50**
4817348—Our Price.....



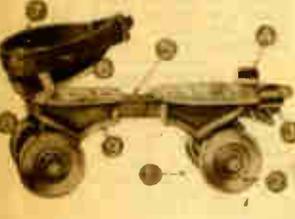
AUTO OUTFIT

Contains necessary parts for constructing automobile chassis—rubber tired disc wheels, motor, assembled gear box, cab top, fenders, radiator, hood, etc. Has boiler for use in making other interesting models. Packed in red and black high light wood chest with brass corners. Size, 10 1/2 x 5 1/2 x 22 1/2 ins. Shpg. Wt., 8 Lbs. **\$11.25**
4817344—List \$15.00
Your Cost Each



Universal 110 Volt Motor

Operates on A.C. or D.C. House Current. Complete with cord and plug cap. Size, 4 1/4 x 4 1/4 x 4 1/4 ins. Individual weight, 1-3/5 lbs. Shpg. Wt., 2 Lbs. Regular Price, \$3.95. **\$2.96**
4817324—Our Price.....



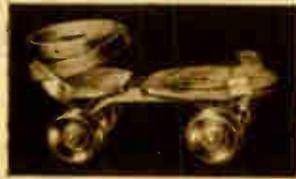
KO-KO-MO ROLLER SKATES

"The Wheel Within a Wheel" That Doubles Sidewalk Miles.

CHAMPION SKATES

"The wheel within a wheel" that doubles sidewalk miles. (1) Double row ball-bearing, 16 perfect balls to the wheel. (2) Toe plate support that prevents bending of toe plate. (3) Extra wide toe clamp adjustment for wide shoes. (4) Double channel extension bar—no sagging in middle. (5) Heel plate and heel back in one piece. (6) Exceptional high heel back. (7) Live rubber cushions. (8) Double angle chassis support. (9) Embossed sole and heel plates with "silver-brite" finish. Shpg. Wt., 6 Lbs.

- 1—First Tread
 - 2—Second Tread
 - 3—Binding ring holds wheel positive after first tread wears off
 - 4—Hardened Cone
 - 5—Double Ball-Bearings
 - 6—Hardened Ball Cup.
- 4817339—List \$2.75**
Your Cost



"RED SKIN"

A juvenile skate that represents one of the greatest values ever offered. Equipped with ball-bearing wheels 1 1/4 inches in diameter that can be easily replaced. Cold rolled steel construction with attractive finish; genuine pigskin strap. Extends to 10 1/2 inches with unusually wide clamp adjustment. Double extension bar prevents sagging in the middle. Embossed sole and heel plates. High heel back. One model suitable for both boys and girls. Shpg. Wt., 5 Lbs. **\$1.45**
4817340—List \$1.50
Your Cost



4-Terminal Battery Motor

Strongest battery motor of its size. Operates on 6 to 12 volts. Shpg. Wt., 1 Lb. Regular Price, \$1.00. **75¢**
4817325—Our Price.....

GILBERT KASTER KIT



In an hour's time any boy can actually cast their own soldiers, sailors, Indians and other lead toys and novelties, quickly and easily. The Gilbert Kaster Kit for boys and adults is very simple to operate. Heat is supplied by a built-in Electric Heating Unit. Just plug into any electric outlet. Complete with 2 dies and 6 lead bars, instruction manual and complete set of handling and die cleaning tools. Size 10 1/4 x 6 1/4 x 6 inches. Less cord and plug. Shpg. Wt., 8 Lbs. **\$3.69**
2817330—List Price, \$5.00
Your Cost

Gilbert Kaster Kit Metal for melting purposes is the best. Package of ten bars. **37¢**
2817331—List, 50¢
Your Cost

Extra Dies are as follows: Army Officer, Infantry Soldier, Indian, Cannon. **75¢**
2817332—List \$1.00
Your Cost, Each Die.....

NEW NATIONAL S. W. RECEIVERS

SW-58 and SW-34

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

These new Short-Wave Receivers, while employing the same fundamental circuit as the well known National "Thrill-Box" SW-5 show a decided improvement in operating characteristics. They have extreme sensitivity with ease of control. The circuit, which consists essentially of a tuned R.F. stage, a regenerative detector, and two audio stages, is becoming recognized more and more as being more efficient, as well as combining more desirable characteristics than any other yet developed.

All dielectric material in the r.f. and detector signal circuits is of the latest improved Isolantite and R-39. This fact, together with correct coil design, is absolutely necessary in order to obtain the

desired sensitivity and is likewise essential to provide sufficiently high selectivity.

No less important, from the standpoint of stability and ease of control, is proper shielding, filtering, and circuit isolation. Stray coupling between coils, which can be particularly objectionable since it produces excessive inter-locking between trimmer and tuning controls, is avoided through the medium of heavy copper shields and the over-all shielding of metal cabinet. The detector is impedance coupled and output stage employs 245 tubes for best tone quality and is transformer coupled. A jack is provided for head phones.



A. C. SW-58

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

- 3N13850—List, less tubes and power supply, **\$46⁷⁵**
- \$79.50. Year Cost, Each.
- 3N13851—As above completely wired and tested. **\$52⁶³**
- Your Cost

D. C. SW-34

Complete set of parts for SW-34 for battery operation. Employs two type 234 Variable-Mu screen grid R.F. and Detector type 230 first audio and two type 231 output tubes.

- 3N13852—List, less batteries and tubes, \$75.00. **\$44¹⁰**
- Your Cost
- 3N13853—As above, completely wired and tested. **\$49⁹⁸**
- Your Cost

COILS

Four sets of coils are furnished with each receiver covering the wave lengths from 13.5 to 115 meters. If additional coils are desired select from following list.

Coils for A. C.			Coils for D. C.		
Model	Stock No.	Year Cost	Model	Stock No.	Year Cost
	Range	Meters		Range	Meters
	115-200	\$3.23	3N14405	115-200	\$3.23
	200-360	3.23	3N14407	200-360	3.23
	350-550	3.23	3N14408	350-550	3.23
	500-850	3.23	3N14409	500-850	3.81
			3N14410	850-1200	4.70
			3N14411	1200-1500	4.70
			3N14413	1500-2000	4.70



NATIONAL SW-5 SHORT WAVE THRILL BOXES

Due to the popularity of the NATIONAL 1931-2 SW5 AC and battery operated receivers, we are still prepared to furnish these units to those desiring them. The circuit comprises a stage of tuned screen grid R.F. employing specially designed screen-grid detector. The two-stage audio amplifier uses push-pull in the second or output stage. A jack is provided in the output circuit of the first stage for headphone reception when desired.

coupling transformer and the over-all shielding of metal cabinet. The detector is impedance coupled and output stage employs 245 tubes for best tone quality and is transformer coupled. A jack is provided for head phones.

The AC SW5 Model is designed for using the UY 235 variable MU screen-grid tubes in the R.F. and detector stages, a UY-227 in the first audio and 227 tubes in push-pull in the second audio. The ACSW 45 Model is the same except that it uses the UX-245 tubes in the push-pull stage. The DC battery model is available for use with either the 2 volt filament type or the 6 volt filament type of battery tubes. When ordering, specify the type desired.

- N13804—ACSW5 National complete set of parts for 5-tube AC Short-Wave Thrill Box when using '27 tubes in output stage. List, \$79.50. **\$46⁷⁴**
 - Your Cost
 - N13805—ACSW45 National complete set of parts for 5-tube AC Short-Wave Thrill Box when using '45 tubes in output stage. List, \$79.50. **\$46⁷⁴**
 - Your Cost
 - N13806—DCSW5 National complete set of parts for 5-tube battery operated Short-Wave Thrill Box. List, \$75.00. **\$44¹⁰**
 - Your Cost
- We can have any of the above sets of parts wired for you by Jackson Research Laboratories at an additional price of \$5.88.

NATIONAL 3-TUBE THRILL BOX

The sensitivity of the SW5 is so great that the push-pull stage is seldom, if ever, used when the receiver is being employed in amateur communication work or by expeditions for maintaining contact with their base stations. The SW3 Thrill Box employs the same circuit, and all other essential features, as the famous SW5, except for a more compact layout and the elimination of the last or push-pull stage. It is designed especially for aircraft, portable, and amateur communication use. A highly desirable feature found only in this receiver is the calibrated volume control, which thus serves as an audibility meter.

- A.C. Model—Uses 2-'58s and 1-'27. **\$20⁸⁸**
- 2N13817—List, \$35.50.
- Your Cost, Less Coils
- Complete with three sets of band spread coils, for 20-40 and 80 meter bands. Coils to cover other bands may be selected from page 98. Less tubes. **\$32³⁴**
- 2N13818—List, \$35.00. Year Cost
- 2N13819—List, \$35.00. Year Cost



NATIONAL POWER UNITS For A.C. S-W Reception

N13807—5880-AB Completely wired power supply for use with the ACSW5 and ACSW3 Thrill Boxes using the '27 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube. List, \$34.50. **\$20²⁹**

N13808—5880-AB-25 Completely wired power supply for use with the ACSW5 Thrill Box using the '27 tubes in the output stage on 105-120 volts, 25-40 cycle current supply. Less tube. List, \$39.50. **\$23²²**

N13809—5880-AB-220 Completely wired power supply for use with the ACSW5 Thrill Box using the '27 tubes in the output stage on 220-230 volts, 50-60 cycle current supply. Less tube. List, \$37.00. **\$21⁷⁵**

N13810—5880-AB-S Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube. List, \$39.50. Year Cost

N13811—5880-AB-S25 Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 105-120 volts, 25-40 cycle current supply. Less tube. List, \$42.50. Year Cost

N13812—5880-AB-S220 Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 220-230 volts, 50-60 cycle current supply. Less tube. List, \$39.50. Year Cost

HAMMARLUND COMET "PRO" The Quintessence of S-W Sets!

Unquestionably the finest high frequency receiver ever developed. Superheterodyne circuit. Suitable for either code or voice. Range 20,000 to 1,500 K.C. Also suitable for experimental work involving frequencies in that range where high sensitivity, low noise level and great selectivity are important. Interchangeable plug-in coils are used to shift from one frequency range to another, two coils to a set. Band spread feature throughout the entire range. Dials and two tank condensers are finely and accurately calibrated for precise logging. Calibration curves furnished with each receiver. Humless output and smooth control of sensitivity. Has gain and sensitivity control to regulate volume. Has intermediate oscillator which can be started and stopped by means of toggle switch on panel. This enables operator to receive CW signals. Also helps in locating stations. Enclosed in a handsome crystalline and hard-wood finished cabinet. List, \$150.00 (less tubes). The present model includes certain improvements made possible through use of the New '50" Series tubes and employment of the recently developed "electron coupled" type of oscillator. **\$88²⁰**



- 3N13823—Year Cost
- External Power Amplifier is necessary with the standard Comet Pro in installations where loud speaker volume is required. This push-pull 245 amplifier and built-in dynamic speaker is enclosed in a cabinet to match above receiver. An exceedingly compact combination. Tubes used: 2-'45s and 1-'80. List (less tubes), \$50.00. **\$29⁴⁰**
- 3N13824—Year Cost

TWO NEW NATIONAL S-W RECEIVERS



NATIONAL "58C"
Communication Type
S-W Receiver

The National SW-58 described on the preceding page is now being used very extensively by the principal American air transport companies as a rack panel receiver. The popularity of this receiver and the growing demand for rack panel types had led to the development of the NATIONAL "58C" which is essentially the same as the SW-58 in circuit detail except for its rack panel construction and an added stage of r.f.

The SW-58C has two tuned circuits uses: the new 58 tubes as r.f. and detector, 227 as first audio and a pair of 245s as final audio stage. It is also available for 234, 230 and 231 tubes for air cell battery operation. A set of four coils which plug in on front of panel cover the frequency range of 2.6 megacycle to 22 megacycles while special coils are available for extending the range to include all frequencies between 150 kilocycles and 33 megacycles. Panel is black crystalline finish and dial is 270 degree, straight frequency line tuning. Aluminum case.

NATIONAL "AGS" Communication Type S-W Receiver

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



PRINCIPAL FEATURES

Single dial. (270°) straight frequency tuning. Calibration curves and station chart. Coils changed from front panel. Automatic and Manual volume control. Extremely rigid mechanical construction. Relay rack mounting (size 8 1/2 x 19 inches). Frequency range, 2400 to 15,000 K.C. Heterodyne oscillator for C.W. reception.

N13856—Completely wired and laboratory-tested with coils to cover 15,000 to 2400 K.C. (Less tubes) **\$161.70**
Your Cost
(Additional coils to extend range to 20,000 k.c. are available.)

NATIONAL MB-29A FOUR



STAGE TUNER
\$21.95

RADICALLY REDUCED

Here is an ultra-sensitive, distance-getting screen grid tuner, built with a completely shielded and beautifully frosted aluminum chassis and employing three screen grid A.C. tubes. The MB-29A is highly suitable for mounting in a console or with electric phonograph combination. The MB-29A employs three A.C. screen grid tubes and 1-227. Such tremendously high, yet balanced R.F. amplification is obtained by the NATIONAL MB-29A tuner that 54 stations have been logged in one evening on a six-foot antenna.

N13813—Completely wired and tested. List Price, \$69.50. **\$21.95**
Year Cost (Less Tubes)
N13814—National 245 Amplifier for MB-29A with Field Supply for 500-600 Ohm Speaker. **\$19.75**
Our Special Price.....

NATIONAL POWER UNITS. For 58C and AGS



N13857—ABS, completely wired Power Supply for use with 58C on 105-120 volts, 50-60 cycle A.C. **\$23.23**
Your Cost (Less Tube).....
N13858—AB, completely wired Power Supply for AGS on 105-120 v., 50-60 cycle A.C. **\$20.58**
Your Cost (Less Tube).....
N13859—GRDPU 2, completely wired double Power Supply for two 58C Receivers on 50-60 cycle, 105-120 volts A.C. **\$53.90**
Your Cost (Less Tubes).....
N13860—GRDPU 6, completely wired double Power Supply for use with two AGS Receivers on 50-60 cycle, 105-120 volts A.C. **\$53.90**
Your Cost (Less Tubes).....

SOLAR CONVERTERS

D.C. to A.C.



A.C. Radio Receivers may be operated from 32 or 110 volt D.C. source by means of this new device. Magnetic type with no moving parts to create interference. Compares very favorably with motor generators and their efficiency is considerably greater. Does not increase hum level of receiver. Magnetic unit will give over 1000 hours of service and can be replaced as easily as a radio tube. Size, 1 1/2 x 6 1/2 x 6 1/2 Ins. Shpg. Wt., 16 Lbs.

M14231—Type I-100; 110 Volts D.C. to 110 Volts A.C., output 110 watts for 4 to 9 tube sets. **\$22.50**
Your Cost
M14232—Type I-32; 32 Volts D.C. to 110 volts A.C. output 75 watts for 4 to 7 tube sets. **\$24.50**
Your Cost

NATIONAL Ultra High Frequency Converter



Designed particularly for use in the 56-60 MC amateur band, which is spread over approximately 100 dial divisions. All the features of first detector and oscillator of the U.H.F. Receiver described above are incorporated in this converter, with the addition of a special I.F. transformer and a low impedance output coupling tube. Suitable for use with either the six-volt D.C. or 2 1/2 volt A.C. tubes. The combination of these points results in a unit of unusual sensitivity and flexibility.

Dimensions in cabinet, 9x10x7 ins. Tubes, 2-224 or 2-236, 1-227 or 1-237.

N13861—Type HPC-58 Converter. Complete set of parts in Metal Cabinet (less tubes) List, \$39.50. **\$23.22**
Your Cost

LAFAYETTE S-W CONVERTER

Makes a Superheterodyne Short Wave Receiver of any AC Radio Set Reduced To **\$14.95** complete with tubes



This is the short-wave converter you have been looking for—inexpensive, simple to operate, and, above all, one that will work. Its modern superheterodyne circuit does away with regeneration control. Highly selective, yet easy to tune.

Brings in Foreign Stations

Vast distances can be covered with your radio equipped to receive short-wave signals. Practically all European and South American stations use wave lengths within the range of this converter. Under favorable conditions these are available with loud speaker volume by means of this simple device

Tunes 18 to 206 Meters

Eight plug-in coils are furnished to provide a range of from 18 to 206 meters. Brings within reach of the broadcast receiver all police calls as well as short-wave commercial broadcast. Coils are instantly interchangeable.

EASY TO ATTACH

Simply cut in series with antenna of broadcast set. Anyone can connect it in a moment. Not necessary to disconnect when using radio for ordinary reception; a switch can be used to cut it out of circuit. Handsome crystalline case 11 inches square by 7 1/2 inches high. Tubes used: 1-27, 1-24 and 1-26. Shpg. Wt., 18 lbs. Complete with tubes. **\$Y22079 \$14.95**
Your Cost

New National 5-Meter Receiver



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

A separate heterodyne oscillator, with an individual switch, is coupled to the second detector to enable reception of C.W. signals and to assist in tuning.

Size of Chassis: 15x16x7 1/2 Ins. high. Complete set of parts with coils: Less tubes. **\$N13876—List, \$39.50 (Less power supply) \$52.63**
Your Cost, Special.....
\$N13822—Power supply completely wired. List, \$39.50. **\$23.23**
Your Cost

I will train you at home

to fill a BIG PAY Radio Job



Here's Proof



If you are dissatisfied with your present job, if you are struggling along in a rut with little or no prospect of anything better than a skinny pay envelope—clip the coupon NOW. Get my big FREE book on the opportunities in Radio. Read how quickly you can learn at home in your spare time to be a Radio Expert—what good jobs my graduates have been getting—real jobs with real futures.

Many Radio Experts Make \$50 to \$100 a Week

In about ten years the Radio Industry has grown from \$2,000,000 to hundreds of millions of dollars. Over 300,000 jobs have been created by this growth, and thousands more will be created by its continued development. Many men and young men with the right training—the kind of training I give you in the N.R.I. course—have stepped into Radio at two and three times their former salaries.

Get Ready Now for Jobs Like These

Broadcasting stations use engineers, operators, station managers, and pay up to \$5,000 a year. Manufacturers continually employ testers, inspectors, foremen, engineers, service men, buyers, for jobs paying up to \$6,000 a year. Radio Operators on ships enjoy life, see the world, with board and lodging free, and get good pay besides. Dealers and jobbers employ service men, salesmen, buyers, managers, and pay up to \$100 a week. My book tells you about these and many other kinds of interesting Radio jobs.

Many Make \$5, \$10, \$15, a Week Extra In Spare Time Almost At Once

The day you enroll with me I send you material which you should master quickly for doing 28 jobs common in most every neighborhood, for spare-time money. Throughout your course I send you information on servicing popular makes of sets! I give you the plans and ideas that have made \$200 to \$1,000 a year for N. R. I. men in their spare time. My course is famous as the course that pays for itself.

Talking Movies, Television, Aircraft Radio I Give You a Money Back Guarantee

Special training in Talking Movies, Television and Home Television experiments, Radio's use in Aviation, Servicing and Merchandising Sets, Broadcasting, Commercial and Ship Stations are included. I am so sure that N. R. I. can train you satisfactorily that I will agree in writing to refund every penny of your tuition if you are not satisfied with my Lesson and Instruction Service upon completion.

64-Page Book of Information FREE

Get your copy today. It's free to all residents of the United States and Canada over 15 years old. It tells you where Radio's good jobs are, what they pay, tells you about my course, what others who have taken it are doing and making. Find out what Radio offers you without the slightest obligation. ACT NOW!

J. E. SMITH, President
National Radio Institute, Dept 2JF3
Washington, D. C.

SPECIAL FREE OFFER



Act now and receive in addition to my big free book "Rich Rewards in Radio," this Service Manual on D. C. A. C. and Battery Operated sets. Only my students could have this book in the past. Now readers of this magazine who mail the coupon will receive it free. Overcoming hum, noises of all kinds, fading signals, broad tuning, howls and oscillations, poor distance reception, distorted or muffled signals, poor Audio and Radio Frequency amplification and other vital service information is contained in it. Get a free copy by mailing the coupon right. ACT NOW.

SPECIAL Radio Equipment for Broad Practical Experience Given Without Extra Charge

My Course is not all theory. I'll show you how to use my special Radio equipment for conducting experiments and building circuits which illustrate important principles used in such well known sets as Westinghouse, General Electric, Philco, R. C. A. Victor, Majestic, and others. You work out with your own hands many of the things you read in our lesson books. This 30-50 method of training makes learning at home easy, interesting, fascinating, intensely practical.

I have doubled and tripled the salaries of many Find out about this tested way to **BIGGER PAY**



FILL OUT AND MAIL THIS COUPON TODAY

J. E. SMITH, President
National Radio Institute, Dept. 2JF3
Washington, D. C.

Dear Mr. Smith: I want to take advantage of your Special Offer. Send me your two books, "Trouble Shooting in D. C., A. C. and Battery Sets" and "Rich Rewards in Radio." I understand this does not obligate me and that no salesman will call.

Name.....

Address.....

City..... State.....



Made \$10,000 More In Radio

"I can safely say that I have made \$10,000 more in Radio than I would have made if I had continued at my old job." VICTOR L. OSGOOD, St. Cloud Ave., West Orange, N. J.



Jumped From \$35 To \$110 a Week

"Before I entered Radio I was making \$35 a week. I earned \$110 in one week servicing and selling Radios. I owe my success to N.R.I. You started me off on the right foot." J. A. VAUGHAN, Grand Radio & App. Co., 3107 S. Grand Boulevard, St. Louis, Mo.



\$500 Extra in 6 Months

"In looking over my records I find I made \$500 in my spare time in six months. My best week brought me \$107. I have only one regret regarding your course—I should have taken it long ago." HOYT MOORE, R. R. 3, Box 919, Indianapolis, Ind.

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

THE GREAT ORGAN-



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



Wide, comfortable counters —manned by experienced, courteous radiomen — are situated throughout our salesroom. Ample room and courteous service make for pleasant buying.

In keeping with the photo, taken in our private auditorium, a brief summary of the lecturer's remarks should be permissible.

The TRF circuit of the unique Lanning Reproducer utilizes both an improved band-pass system and an exclusive push-pull detector of two triode tubes. The remote control system provides for both meter tuning and volume indication on the control box, the automatic dial of which matches that of the receiver proper. Large installations

contain both a compensated audio system and an automatic record changer that selects, rejects or repeats records, all by remote control. Prices of installations without remote control range from \$600 to \$3,000 while those with remote control are from \$2,200 to \$48,000.



This is a photo of Wholesale's booth at the last Radio Show in Madison Square Garden, New York. Our booth is always an interesting one.

WHOLESALE RADIO IZATION *at Work!*

*Some of the Departments that
Give You Prompt, Efficient* **SERVICE**



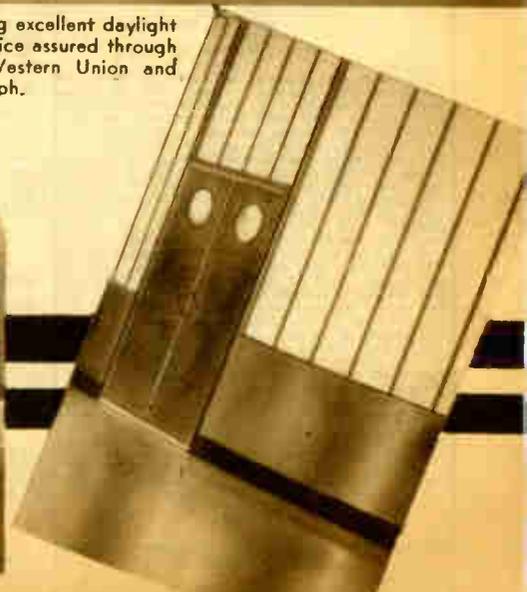
Another corner of our showroom. All visitors may test tubes free of charge on this remarkable Jewell Tube Tester.



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



Center view of showroom. New type of display-stand for radio cabinets. In background, a few of the well-equipped, sound-proof booths.



Front outside entrance to our auditorium where lectures, demonstrations, etc., are held frequently.

SATISFIED



CUSTOMERS OF WHOLESALE RADIO *Laud* OUR UNMATCHED SERVICE

Our mails are flooded every week with letters that make us puff with pride! Because in these letters we see constant vindication of the sound policies on which we have conducted our business—principles that call for our giving "just a little more than the bargain calls for." This has been our policy for 11 successful years and we intend to continue it.

We could not possibly reproduce even a small portion of these letters. To print them all would require a catalog several times the size of this one! So we have picked a few at random and printed them below for the benefit of those folks who have yet to sample Wholesale's courteous service. However, we do wish to take this opportunity of thanking the many hundreds who have taken the trouble to write us such splendid and gratifying letters.

JUST A FEW OF MANY HUNDREDS OF LETTERS WE RECEIVE WEEKLY FROM HAPPY PURCHASERS!

OUR PROMISES ARE FULFILLED

Mr. Smith and myself are just starting in Business together and feel that you should be complimented on your service to those who build their own sets and test equipment. There are several mail-order houses advertising "24 hour service" and "Complete Stocks" but in three years of buying radio parts by mail yours is the first house to live up to its promise.

Wishing you continued success and assuring you of our continued support and co-operation, we are
Cordially yours,
Smith & Willson.

"O.K., PANAMA"

Dear Sirs:

Am very well pleased and satisfied with my Lafayette S.W. Receiver. I have been in Radio Work for about six years, and have owned a couple and operated many short wave receivers, but this little Lafayette "takes the cake." Haven't really had a chance to test the set out thoroughly yet, but have logged about twenty broadcasting stations in the U.S. and Canada, several in South America and other parts of the world. The code stations are so thick there is no use trying to count them. This set has certainly made me a "Lafayette Booster," and I wish to say that it is one of the very "few and far between" sets that really have a kick, and put out like they are advertised as doing. The Lafayette does this and then some. One of my friends is all for selling his present S.W. set and getting a Lafayette, so I guess I'm not the only one it has made this kind of an impression on. As you know by my address, I am isolated out in the jungles of Panama, a couple of hundred miles inland from Balboa. At 4.30 o'clock, New Year's Eve, I turned my Lafayette on, and it was not turned off until 4.30 o'clock New Year's morning. Twelve hours of continuous program, and from stations, some of which were, WGY, KDKA, WBZ, W3XAL (Boundbrook, N. J.), Montreal, Canada; Ontario, Canada, KWKC, Kansas City, Chicago and several others whose locations I can't recall at this time and all these came in like a ton of bricks. Certainly wish to congratulate you on the efficiency and performance of your Receiver and you can sure put me down as a "satisfied" customer.

Sincerely, your friend,
R. E. Brooks.

BOTH SMALL AND LARGE ORDERS RECEIVE SAME ATTENTION

Gentlemen:

The order I sent in two days ago arrived this morning and I just want to take this opportunity to personally tell you how much I appreciate your

prompt service on such small orders as this one was. You are to be congratulated.

Very truly yours,

Forrest R. Williamson,
Pennsylvania.

ASHORE OR AFLOAT, NOTHING BETTER THAN LAFAYETTE

What Lafayettes I have in now, are making a great many friends. As for example the Lafayette D.C. Model I installed aboard ship. On this ship there was also another receiver. They don't like the other now. All you can hear them say is "nothing better than the Lafayette."

"Thanking you and yours in advance, I am sincerely,

Charles C. McDuffie,
Portland, Me.

"STEPS OUT" WITH THE 8-TUBE LAFAYETTE

I received the 8-tube radio and I am very well pleased with it and surely can recommend it to anyone who wants De Luxe Service. Saturday night, January 30, I had CHCD, Havana, Cuba, a 250 Watt Station. I did not think it possible. It is all you claim for it and then some.

Sincerely yours,

W. Speakman,
Pittsburgh, Pa.

APPRECIATES OUR AID IN BUSINESS-BUILDING

Your very prompt and courteous response was certainly appreciated and you are going to get all my radio business in the future. Your letter made me feel as though you are taking an interest in my business and that certainly makes a fellow feel good, especially when he is just starting in business. That's what I'm doing.

Gilbert Carlson,
R.F.D. 2, Box 329,
Tacoma, Washington.

LAFAYETTE'S SURE CURE FOR DEPRESSIONS Received your radio set in good condition. Is a wonderful set and I sold it the same week as received it.

Yours truly,

A. Ballargeon,
Thetford Mines, P. Q., Can.

THE CORNERSTONE OF OUR SUCCESS

Gentlemen:

It may interest you to know that this order, though small, is figuratively speaking, a returning blow after some rather unattractive experience

with various "bargain" wholesale houses. The assurance with which you deal with you is lacking in relations with others. Your name, your service, and your guarantee have a very definite value, however intangible that is not even purchasable anywhere else.

Cordially yours,

Reed Radio Service,
James Reed, Jr., Mgr.

LAFAYETTE PROCLAIMED KING OF SHORT WAVE RECEIVERS

Gentlemen:

Several days ago I ordered a Lafayette Wide World Short Wave set with power supply. You shipped it very promptly. I have played with it now for three days, and in that time I have received direct, loud speaker, either voice or music or both, from 1280, Rome, Italy; from VE9CL at Winnipeg; from XDA at the City of Mexico; from El Prado, at Blohams, Ecuador; from Zosson, Germany, besides several English phones and any number of American short wavers, as far west as California. As I write I am listening to music and voice from a station in Mexico, not XDA, whose announcer is asking radio amateurs to call him and request musical numbers. I have had several short wave sets; this is the kinrpin of the lot, and is, besides, astonishingly easy to handle. You deserve congratulations.

Very truly yours,

Stuart Maclean.

IF IT'S TO BE HAD, WE CAN GET IT

Just a few lines of appreciation for your quick service on my last order, received last week, and also your ability to furnish me with a Reardon Milliammeter, although not listed in your catalog.

Very truly yours,

W. Monroe Whaley.

PRAISES PROMPT AND EFFICIENT SERVICE

I received my small order from your company a couple of days ago and may I compliment you and your firm for your prompt attention. I sure do appreciate this service and take this opportunity to thank you for same. May I also add that all goods previously purchased from Wholesale Radio Service Company, Inc. have been entirely satisfactory and I feel that there is not another concern in New York City that can approach W. R. S. Co. for prompt and courteous service.

Yours truly,

Geo. H. Keller, Jr.,
267 Delaware Ave. Albany, N. Y.

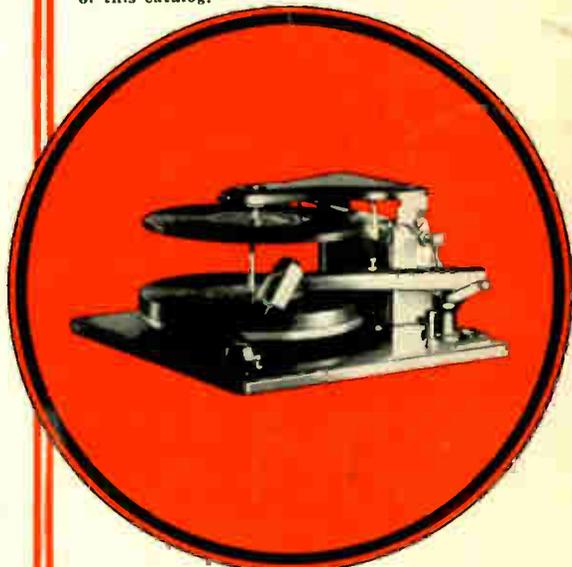
The WORLD'S Finest Musical Combination



LAFAYETTE 12 TUBE DE LUXE SUPER HET *with* CAPEHART PHONOGRAPH *and* *Automatic Record Changer*

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

The chassis used in this combination is the Lafayette 12 Tube De Luxe Superheterodyne with AUTOMATIC NOISE SUPPRESSOR, which shuts out man-made static and other noises between stations, AUTOMATIC VOLUME CONTROL, LAFAYETTE PERFECTED TONE CONTROL, PERFECTED 12 TUBE SUPERHET CIRCUIT, TWIN DUAL DYNAMIC SPEAKERS, and a list of additional outstanding features which makes this set the finest and greatest Lafayette ever developed. Full details of this chassis will be found on pages 12 and 13 of this catalog.



Pictured above is the cabinet of this combination. One of the most beautiful sliding door cabinets ever created, an artistic combination of rare hardwoods. The sliding doors are of center matched butt walnut. Radio panel is of select straight grain American walnut, flanked by two pillars of matched Rotary walnut. The canopy has an inlay of curly African walnut over which is a genuine wood carving in Acanthus. Speaker opening is faced with a golden cover grille cloth, and directly beneath is a drop door which opens to the record compartment. Extra heavy top of 5 ply American Walnut Veneer covers phonograph and automatic record changer. Top is suspended on piano hinges, with automatic locking bracket. Sides of cabinet are unusually heavy to provide adequate baffle area for the receiver's tremendous volume. Four handsomely carved and turned legs with extra heavy stretchers. The workmanship throughout represents furniture craftsmanship of the most artistic type. Dimensions 47 $\frac{1}{2}$ in. high, 23 $\frac{1}{2}$ in. wide and 18 $\frac{1}{4}$ in. deep.

Complete with Capehart Record Changer

Model L7	Complete with Genuine RCA or Arcturus Tubes	105-120 Volt, 50-60 Cycle A.C. Code Colan. List, \$380.00. Net	\$169⁵⁰
Model L8	Complete with Genuine RCA or Arcturus Tubes	220-240 Volt, 25-40 Cycle A.C. Code Colus. List, \$390.00. Net	\$174⁵⁰

Complete with Two-Speed Motor

Model L9	Complete with Genuine RCA or Arcturus Tubes	105-120 Volt, 50-60 Cycle A.C. Code Colre. List, \$270.00. Net	\$119⁵⁰
Model L10	Complete with Genuine RCA or Arcturus Tubes	220-240 Volt, 25-40 Cycle A.C. Code Collt. List, \$280.00. Net	\$124⁵⁰

The Capehart Automatic Record Changer needs no introduction. It is the acknowledged leader. Equipped with new electrical transcription Pick-up. Plays 10 and 12 inch records, and is completely automatic. The last record repeats until restacked or when master switch is turned off. An encore may be had of any record simply by raising magazine to perpendicular position. By using the new "Victor 12" records you can listen to 4 hours of continuous music. Plays with a two speed motor. 33 $\frac{1}{3}$ and 78 R.P.M. records.

This combination is also available, if desired, without the Capehart Automatic Record Changer. The Lafayette Dual Speed Electrical Pick-up is scientifically developed to reproduce with absolute fidelity the intricate chromatic elements of the most difficult musical compositions. Many exclusive features, including rub er damping. The Dual Speed Motor—33 $\frac{1}{3}$ or 78 R.P.M.—is the very newest type. All gears are completely enclosed. Silent spiral cut gears made from laminated Bakelite. Long oversize self-lubricating bearings. Will not overheat in closed cabinets.

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