LAFOYETTE
Radio

REPLACEMENT PARTS

WHOLESALE
RADIO SERVICE CO. INC.
100 SIXTH AVE. ONE BLOCK ABOVE CANAL NEW YORK, N.Y.

Wholess Sale Radio Service Co. Inc.
Corner Grand St.

Public Address

Dealers' and Service Men's
Headquarters

Spring 1933
Catalog No. 54

The Home of
Wholesale Radio Service Co. Inc.

Latest Developments

Trutest Parts

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

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

Could anything be fairer or more honest?

WHAT THIS MEANS TO YOU

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

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

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

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

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

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

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

AN EXCLUSIVE LAFAYETTE OFFER

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

GUARANTEE CERTIFICATE

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

LAFAYETTE INTEGRITY

The Lafayette record of 11 years of steady growth and unblemished reputation is behind this 30-Day Free Trial Offer. We could not make it if it were not for our supreme confidence in our merchandise.
You will see at once that this is no ordinary radio establishment. Go into our private theatre, the soundproof booths and the set demonstration rooms, and hear as well as see every imaginable kind of radio set and public address amplifier in actual operation. No one buys blindly at Wholesale Radio!

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

If you need some supplies in a particular hurry, our special telephone order department is always ready to serve you. Call any of these numbers: Walker 5-8885, 8886, 8885, 8886, 8887 or 8889. Trained and experienced salesmen will receive your order and will see that it is filled without delay.

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

Our New York Salesroom is RADIO HEADQUARTERS!

CONSULT OUR NEW SERVICE DEPARTMENT

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

HOW TO REACH 100 SIXTH AVENUE

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

The Grand Street station of the 6th Avenue "L" (numbers 6 on the map) is a short block to the east. The northerly exits of the Canal Street station of the new 8th Avenue subway (numbers 6 on the map) are directly across the street. The Canal Street station of the 7th Avenue subway (numbers 7 on the map) is one street away. There are always numerous policemen on duty in the vicinity. Don't hesitate to ask them for help in getting your bearings, as they all know Wholesale Radio and 100 Sixth Avenue.
FOR 12 years Wholesale Radio Service Company has pursued a policy of giving its customers the finest values obtainable in the radio field. It has been, and is, our belief that every customer is entitled to the lowest current prices on all merchandise sold by us. Therefore we have always given our customers the benefit of all price reductions made by other mail order radio concerns, manufacturers or ourselves.

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

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

FOR YOUR PROTECTION we publicly announce that WHOLESALE RADIO SERVICE
The TRUE MEANING of WHOLESALE RADIO'S FAMOUS POLICY!

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

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

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

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

COMPANY, INC., is NOT and never has been associated with any other radio concern.
Scenes of DEPARTMENTS at WHOLESALE

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

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

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

This is a photo of Wholesale's booth at the Radio Show. Our booth is always an interesting one and the headquarters for visiting dealers and servicemen.
One section of our Huge Stock Room. Scientific, orderly shelf arrangement assures you of perfect, clean merchandise and efficient service.

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

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

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

**LINE FREQUENCY NOT IMPORTANT**

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

**SIMPLE WAVE CHANGING DEVICE**

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

**DYNAMIC SPEAKER USED**

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

**NEW HIGH VACUUM RECTIFIER**

The tube combination is as follows: one type 75, 77 and 78, one type 43 and one type 25ZS. The use of the new 25ZS high vacuum rectifier, instead of the usual mercury vapor tube, assures a minimum of tube trouble and also the minimum use of resistance in the power line circuit. The overall operating temperature of the receiver is therefore low and the life of the tubes and parts greater. Power consumption is only 40 watts.

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

**HANDSOME MODERN CABINET**

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

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The new Lafayette Mayfair is a novel four-tube A.C. receiver built in upright form instead of the usual horizontal form. Although it measures only 9 inches wide, 11½ inches high and 5½ inches deep, it is very gracefully proportioned and will find immediate favor with many people who prefer a set occupying very little base area.

Reception of police, amateur and airplane stations with the Mayfair is made possible by a special tapped coil system. In the upper position the set covers the regular 200-550 meter broadcast band; in the lower, the 75-200 meter band. This is one of the very few small sets capable of such operation. Listening to the police radio alarms is particularly good fun.

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

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

FOUR PENTODES USED

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

SENSITIVE SUPERHET CIRCUIT

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

DYNAMIC SPEAKER

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

CONTROL THE TONE YOURSELF

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

BUILT-IN AERIAL

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

MAYFAIR ...

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Lafayette-Perfected Superheterodyne Circuit

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

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

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

Don't consider this remarkable custom-built receiver a "midget." The handsome cabinet that houses the two speakers and the chassis stands 17 1/4 inches high, 17 inches wide and 11 inches deep, and is so gracefully proportioned that you would never guess it contained so much radio apparatus!

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

**Model L-16—Lafayette 7-Tube Mantel Receiver with Twin Speakers for 105 to 120 volts, 50-60 cycles A.C. Complete with Tubes. Code Manuf. Shpg. wt. 50 lbs. List $83.50. Your Cost $37.50**

**Model L-19—Lafayette 7-Tube Mantel Receiver with Twin Speakers for 220 volts, 60 cycles or 110 volts, 25 cycles A.C. Complete with Tubes. Code Manuf. Chassis dimensions: 10 inches high, 15 inches wide and 10 inches deep. Shpg. wt. 32 lbs. List $95.00. Your Cost $40.50**

**Model L-17—Lafayette 7-Tube Chassis with Twin Speakers for 220 volts, 60 cycles or 110 volts, 25 cycles. Code Freon. Shpg. wt. 46 lbs. List $82.00. Your cost $36.95**

Lafayette again leads in being one of the first to incorporate DUAL SPEAKERS in a mantel type receiver. These are full voiced dynamics of regular Lafayette quality.
The latest refinements in superheterodyne circuit design are incorporated in the Lafayette 7 Tube Superheterodyne, which sells for a remarkably low price and constitutes one of the best "buys" in a market abounding with bargains. Lafayette engineers have accomplished what was considered impossible at first—the development of a low priced "super" with the new tubes and many genuine features without degrading in the slightest from the established high Lafayette standards of workmanship, construction and performance.

Full advantage is taken in the carefully engineered circuit of the high gain and versatility of the new six-prong tubes, which are used as follows: One 58 R.F. pentode as pre-amplifier; one 56 as oscillator; one 58 R.F. pentode as first detector; one 58 as I.F. amplifier; one 55 duo-diode as second detector and automatic volume control, one 47 A.F. pentode as output tube, and one 80 as full wave rectifier.

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

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

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

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

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

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**Model M-35**—Lafayette 7 Tube Superheterodyne chassis, with matched dynamic speaker, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 13 inches wide, 10 inches deep, 7 inches high. Shpg. wt. 28 lbs. Code Bugle. List Price $56.00. Your Cost $24.94

**Model M-37**—Lafayette 7 Tube Superheterodyne Munity receiver, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 19 inches high, 10½ inches deep, 15½ inches wide. Shpg. wt. 40 lbs. Code Dandy. List Price $62.50. Your Cost $27.95

**Model M-53**—Lafayette 7 Tube Superheterodyne phono-radio combination, complete with tubes. For 105-120 volts, 50-60 cycles A.C. Dimensions, 21 inches high, 19 inches wide, 15 inches deep. Shpg. wt. 97 lbs. Code Donor. List Price $122.00. Your Cost $54.75

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LAFAYETTE QUALITY THROUGHOUT

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

IMPROVED SUPERHETERODYNE CIRCUIT

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

SPECIAL MUTING TUBE

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

BEAUTIFUL CABINET

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

UNEQUALLED VALUE!

Imagine—dual dynamic speakers, adjustable muting system, automatic volume control and tone control in a 10-Tube Superheterodyne in a full size console cabinet of enduring beauty—at this unprecedented price! Only quantity production of this deservedly popular model enables us to bring the price down to the present level, which represents one of the greatest bargains in the radio market!
Tourest 4 Tube A.C.-D.C. "Compact" with a REAL DYNAMIC SPEAKER!

FOR THE HOME, HOTEL, CLUB AND FARM

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

VOLTAGES—From 52 to 220

RANGE—200 to 550 meters

The New Tourest 4 Tube A.C.-D.C. "Compact" is the Sensation of the Radio Industry. Although it measures only 9 1/2 x 5 1/2 x 4 1/2 inches overall, it includes a REAL Dynamic Loud Speaker—not a magnetic. Uses the very latest type tubes—1 type 39, 1 type 36, 1 type 38 output pentode and 1 type 2525 Rectifier. It is astonishingly sensitive, and in most locations works perfectly with only a small indoor aerial thrown on floor in back of set; this is already attached to set. No ground connection is required. Ideal for travelers. The one-piece cabinet is of unbreakable steel, finished in Dark Brown, with decorative Gold Clad over speaker opening. Shpg. wt., 12 lbs. Code Rosette. Your Cost

$10.75

Model T-20—Attachment to use this set on 32 or 220 volts. Your cost for this attachment

$2.00

FREE Portable carrying case with every order for three sets

LAFAYETTE

6 TUBE A.C.—D.C. RECEIVER

Here is a 6-Tube universal A.C.-D.C. receiver that will work anywhere! Uses the latest type tubes, with push-pull audio amplifier having output of 2 watts. Tubes: 2—type 39, 1-type 37, 2-type 43, and 1-type 2525. The latter is the new voltage double tube. Range: 200 to 550 meters.

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

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

Model 5-99—Lafayette 6-Tube A.C.-D.C. Receiver, complete with tubes, for 100-125 volts D.C. and 100-120 volts, 25-60 cycles A.C. Dimensions: 17 x 14 1/4 x 9 inches. Shpg. wt., 29 lbs. Code Loire. List, $60.00.

Your Cost

$27.95

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

This New "PIGMY" 5 Tube A.C.-D.C. 200 to 550 Meter Receiver with its beautiful Burled Walnut Cabinet, piano finished, sets it apart as an instrument of Quality. Measures only 11 inches wide; 7 3/4 inches high and 3 3/4 inches deep. The Volume and Tone Quality leave nothing to be desired. Full deep tone is assured by the special Dynamic Speaker used. It uses 5 tubes—1 type 39, 1 type 36, 1 type 37, 1 type 42, the new power output tube, and 1-2525 Rectifier. It is quiet and economical in operation. Shpg. wt., 18 lbs.


Your Cost

$15.95

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

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Enjoy the THRILLS of FOREIGN RECEPTION...

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

Every short wave listener will thank the Lafayette designers for this achievement.

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

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

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

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

AUTOMATIC VOLUME CONTROL
There is no delay in the action of the perfected automatic volume

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

PAGE 12

No Federal Tax to be Added to any of our prices.
SUPER-HET!

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

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

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

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

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

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

ENDURING CONSTRUCTION
Lafayette custom-precision workmanship is evident throughout.

Model E-29—Lafayette 10-Tube Dual Wave Superheterodyne chassis, with matched dynamic speaker and tubes, for 105-120 volts, 50-60 cycles A.C., less cabinet. Dimensions: 13½ inches wide, 10 inches deep, 9 inches high. Shpg. wt. 38 lbs. Code Bucks. List, $95.00. Your Cost 43.75

Model E-21—Lafayette 10-Tube Dual Wave Superheterodyne chassis, with matched dynamic speaker and tubes, same as above, but for 200-240 volts, 25-60 cycles A.C. Shpg. wt., 44 lbs. Code Bronte. List, $100.00. Your Cost 46.75

Chassis are available with dual speakers at $3.25 extra.

Model E-32—Lafayette 10-Tube Dual Wave Superheterodyne receiver in table model cabinet shown above, complete with speaker and tubes. Dimensions: 19 inches high, 16 inches wide, 11½ inches deep. For 105-120 volts, 50-60 cycles A.C. Shpg. wt., 55 lbs. Code Binga. List, $105.00 Your Cost 48.50

Model E-33—Lafayette 10-Tube Dual Wave Superheterodyne receiver, same as above except for 200-240 volts, 25-60 cycles A.C. Shpg. wt., 60 lbs. Code Berics. List $110.00. Your cost 51.50

No Federal Tax to be Added to any of our prices.
The Six Star Lafayette Receiver

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

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

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

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

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

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

No Federal Tax to be Added to any of our prices.
A LAFAYETTE CUSTOM BUILT PRODUCT!

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

Silent Tuning Assured

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

12-Tube Superhet Circuit

Eight tuned circuits are used in the new superhet. Chassis licensed under R.C.A. and Hazeltine patents. Battleship construction used throughout. Dimensions of chassis: 17½ inches wide, 12½ inches deep, and 9 inches high. Tubes used include: Two-type 46 in the modified push-push (semi-class "B") third audio frequency stage; three '56 improved triodes used in the oscillator stage, in the 2nd detector stage and in the second audio frequency stage; two '57 improved screen-grid used in the cut-out stage for automatic interference suppressor and in the first audio frequency stage; four '58 improved vari-mu Pentode used in the radio frequency stage, in the mixer (1st detector) stage, in the first intermediate frequency and second intermediate frequency stages; one '52 mercury vapor used as alternating current rectifier.

Every Modern Improvement

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

New Heights of Sensitivity and Selectivity

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

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

Radio's Finest Reproducer

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

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

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


Your Cost: $52.50


List $125.00. Your cost: $57.50
The Viceroy

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

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

CUSTOM BUILT SETS

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

The Console

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


www.americanradiohistory.com
THE REGENT MODEL
A 12 Tube Superheterodyne designed for those who feel that they are entitled to the most luxurious performance and elegance that radio affords.

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

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

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

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

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

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

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

FINER YET LOWER IN PRICE!
List, $175.00. Your Cost $77.50

List, $181.50. Your Cost $82.50

PAGE 17
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 DeLuxe Superheterodyne with AUTOMATIC NOISE SUPPRESSOR, which shuts out man-made static and other noises between stations, AUTOMATIC VOLUME CONTROL, LAFAYETTE PERFECTED TONE CONTROL, PERFECTED 12-TUBE SUPERHET CIRCUIT, DUAL DYNAMIC SPEAKERS, and a list of additional outstanding features which makes this set the finest and greatest Lafayette ever developed. Full details of this chassis will be found on pages 14 and 15 of this catalog.

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

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

A Custom-Built Masterpiece!

Pictured above is the cabinet of this combination. One of the most beautiful sliding door cabinets ever created, an artistic combination of rare hardwoods. The sliding doors are of center matched butt walnut. Radio panel is of select straight grain American walnut, flanked by two pillars of matched rotary walnut. The canopy has an inlay of curly African walnut over which is a genuine wood carving in Acanthus. Speaker opening is faced with a 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 highest type.

Complete with Capehart Record Changer

Model L-7—Complete with 105-120 volt, 50-60 cycle A.C. Dimensions: 47½ in. high, 23½ in. wide and 18¾ in. deep. Shpg. wt. 185 lbs. Code Colon. List $380.00. Net

Model L-8—Complete with 220-240 volt, 60 cycle A.C. Dimensions 47½ in. high, 23½ in. wide and 18¾ in. deep. Shpg. wt. 185 lbs. Code Colus. List $390.00. Net

$149.50
$154.50

Complete with Standard Two-Speed Motor

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


$119.50
$124.50

No Federal Tax to be Added to any of our prices.
While broadcasting in the United States is confined between 200 and 550 meters, the European stations cover the wide range of 200-2000 meters. The new Lafayette 7-Tube Superheterodyne, which covers this entire band without plug-in coils, brings to European radio listeners all the advanced features found in the latest American sets. A heavy duty selector switch on the front panel enables the owner to tune in either the 200-550 or 850-2000 meter bands.

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

NO CODE INTERFERENCE
The intermediate frequency amplifier is tuned to 115 kc., a value that prevents the set from picking up telegraph stations. This is an extremely important provision; most dual-wave receivers use a much higher frequency and suffer very badly from code interference.

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

PERFECT TONE QUALITY
A power operated dynamic speaker gives unexcelled quality of reproduction with volume enough for any room. Chassis Includes connections for phonograph pick-up.
First Battery Short Wave and Broadcast Receiver

The 8-Tube Dual Wave in the average farm or small town location will easily bring in both East and West Coast stations on the broadcast band, dozens of foreign short-wave broadcasting stations, and hundreds of airplane, police, amateur and experimental stations below 200 meters. Wavelength range, 15 to 55 meters. No bothersome plug-in coils; just turn a knob on the front panel to shift wave ranges. Selectivity in the order of 10 kc. means easy separation of interfering stations. Sensitivity, 10 microvolts.

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

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

CLASS "B" AUDIO

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

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

SUPER-HET

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

A.V.C. with Tuning Meter

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

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

Six Tuned Circuits

A total of SIX tuned circuits gives the 9-Tube Superheterodyne true 10 kc. selectivity that enables you to bring in only the stations you want to hear. Overall stability is secured through extremely close tolerances on all parts and adjustments; for instance, an allowance of only 1¾ variation in the capacity of the three-gang tuning condenser.

Automatic Bleeder Circuit

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


Model V11975—Eveready Aircell "A" battery. Set of Burgess "B" and "C" batteries (135 volts "B", 22½ volts "C") Shp. wt. 80 lbs. $11.25.

Model L-11—9-Tube Superheterodyne, battery operated chassis with permanent magnet dynamic speaker, less batteries and tubes. Chassis dimensions: 14 inches wide, 9¼ inches deep, 7½ inches high. Shpg. wt. 40 lbs. Code Tartar. List Price $75.00. Your Cost $33.50 IN-CONSOLE CABINET

Model L-12—9-Tube Superheterodyne, battery operated chassis with 8 inch permanent magnet dynamic speaker, in console shown on right, less tubes and batteries. Dimensions: 42 inches high, 24 inches wide, 14½ inches deep. Shpg. wt. 100 lbs. Code Tempo. List Price $19.50. Your Cost $44.50.

Model L1112—Set of specially matched RCA, Arcturus or Lafayette tubes for 9-Tube Superheterodyne. Shpg. wt. 6 lbs. List Price $18.30. Your Cost $8.95.

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

**FOUR STAGE CIRCUIT**

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

**RESISTANCE COUPLED AUDIO**

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

**EASE OF OPERATION**

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

The tubes required for the 6-Tube Set are: 3-34's, 1-30, 1-31 and 1-33. Batteries: one 2-volt Eveready "Aircell" battery, one 221/2-volt "C" battery and three 45-volt "B" batteries.

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**SPLENDID CONSOLE!**

A Splendid Custom-Made Console

The especially fine console shown on the left will house either the 9-Tube Superheterodyne or the 6-Tube set. It is a handsome piece of furniture, with lines of sheer grace and slender beauty. The dignified, unobtrusive design of this console permits it to be used with practically any type of household furnishings. Sides and top are of butit walnut veneer, with figured walnut front panel. The recessed radio panel is of select rotary walnut. The loud speaker opening is covered by a decorative grille which does not hamper the sound waves. This cabinet is solidly constructed and will withstand the strongest acoustic vibration without affecting the quality of reproduction in the slightest.

Height: 42 inches, width, 24 inches, depth 14½ inches.
**A Wonderful Selection of LAFAYETTE CONSOLES**

**The PLYMOUTH**

**PHONO-RADIO COMBINATION**

This is an unusually attractive Phono-Radio Combination Console, built of the choicest Walnut Veneers. Four leg design, beautifully carved. Radio panel of American Walnut, flanked with pilasters of decorative moulding. The entire Console conforming to the latest style in Radio Furniture. Workmanship and finish is of the finest. Full fashioned hinged Top of selected Walnut. Dimensions are 42 in. high, 23½ in. wide and 16½ in. deep. Inside Phono. Compartment dimensions: 3½ in. high, 21 in. wide and 13½ in. deep. Shpg. wt. 150 lbs.

$17709—Code Lotus. Console only, less phonograph equipment or set. List price, $32.50. Your Cost... **$15.95**

**The MONARCH**

This massive console is a master-piece 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 moldings which join apron to the legs. Designed to fit into the most luxurious homes. Overall size: 42 in. high, 25 in. wide and 14¼ in. deep. Inside dimensions: 25 in. high, 18½ in. wide and 11½ in. deep. Shpg. wt. 75 lbs.

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

**The MADISON**

**PHONO-RADIO COMBINATION**

It is seldom that a phonograph radio combination cabinet as fine as THE MADISON is created. It is almost unnecessary to state that only the finest hardwoods have been used, that the workmanship is by the most skilled craftsmen, 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 infall 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 3 ply American Walnut Veneer covers space for phonograph. Top is suspended on piano hinges with automatic locking bracket. Dimensions: 47½ in. high, 24½ in. wide and 18½ in. deep. Inside dimensions: 30 in. high, 22 in. wide, 15½ in. deep. Shpg. wt. 140 lbs.

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

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

**The MANLYN**

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

Mantel Cabinet only. List Price, $7.50. Your Cost... **$3.25**

$17706—Code Console. Your Cost...
The Truest Economy 8-tube kit makes up into a high-gain T.R.F. receiver of absolutely professional appearance. Metal chassis measures 12" deep, 16½" wide and 7½" high. Three sharply tuned stages using latest type 58 tubes, feed into a 57 linear detector, resistance coupled to a 56 first audio stage. Output stage has two type 59 pentodes in push-pull, giving tremendous output of SIX WATTS. Has tone control and connections for phonograph pick-up.

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

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

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

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

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

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


Your Cost $13.75

Model Y22058—Matched 12" dynamic speaker. Shpg. wt. 10 lbs.

List Price $10.00.

Your Cost $4.25

Model Y22059—Kit of 8 matched tubes. Shpg. wt. 7 lbs.

Your Cost $6.25

TUBE Jr. DX'er SuperHeterodyne

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

In keeping with the modern trend, Lafayette engineers have made the 5 tube chassis small and compact, but without sacrificing electrical efficiency. The metal chassis measures only 10½ inches wide, 6½ inches deep and 6 inches high overall, and it will therefore fit a wide variety of cabinets.


Your Cost $14.95

Model JR DX'er—Complete kit of 5 specially matched tubes for Jr DXR 5 Tube Kit with matched dynamic speaker. 1800 ohm field. Including proper output transformer. Code Fedel.

Your Cost $5.00
AT LAST!
The NEW
LAFAYETTE AUTO RADIO
Six Tube Superheterodyne with Automatic-Volume Control!

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

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

AUTOMATIC VOLUME CONTROL—NO VOLUME FLUCTUATION
Variation in volume while the car is in motion is practically eliminated by an improved method of automatic volume control. Sensitivity is better than 10 microvolts per meter, selectivity better than 10 kilocycles, assuring complete customer satisfaction.

SELF-CONTAINED "B" SUPPLY
The self-contained "B" supply, operating on the car storage battery, eliminates troublesome "B" batteries and makes the Lafayette All-electric as convenient to install, operate and service as any ordinary A.C. set. Total drain on the car battery only 5½ amperes. All necessary resistors and condensers for ignition, interference, elimination are furnished.

PREMIER 5 TUBE AUTO SET
A very popular low priced auto set. Substantially made with separate tuner-amplifier and dynamic speaker. Mounted under the dash, on the bulkhead, under the foot board or under front seats.

The receiver measures only 5 by 7 inches, and uses five new type tubes (1.36, 2.38's, 2.39's) in an extremely efficient T.R.F. circuit. Tuning range 195 to 550 meters.

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

In ordering specify number of cylinders in car.

$43.50

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

www.americanradiohistory.com
PERFECT RADIO RECEPTION WHILE YOU DRIVE!

**The LAFAYETTE AUTO RADIO**

**UNIVERSAL**

$29.75 WITH TUBES

ONLY 2 WIRES
5 AMP. DRAIN
STEEL CONSTRUCTION
LOCK SWITCH

LAFAYETTE CUSTOM BUILT

**SINGLE UNIT CONSTRUCTION**

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

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

One type 77 advanced radio frequency pentode as both first detector (mixer) and oscillator. Two type 78 advanced vari-µm tubes in the radio frequency and intermediate frequency amplifier stages. One type 85 diode-triode as both second detector and first audio frequency amplifier. One type 41 advanced power pentode in the second audio stage. One type 624 high vacuum rectifier in the power unit.

Sensitivity is rated at \( \frac{1}{2} \) microvolt per meter. Selectivity is carefully adjusted by proper choice of intermediate frequency to allow at least 20 kc. separation and still enable the set to be tuned easily. Wavelength range, 200-850 meters.

**Unique Single Unit Construction**

The combined unit arrangement, in which the chassis, power pack (6 battery eliminator), dynamic speaker and controls are all housed in a single container of 12\( \times \)5\( \times \)6\( \frac{1}{4} \) inch size, assures maximum adaptability to all makes of automobiles. The receiver is so arranged that it may be hung on brackets from the underside of the instrument board or placed on the floor-boards alongside of the driver's seat.

**Simple Controls**

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

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

**No Extra Batteries Required**

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

Model L-20—Lafayette UNIVERSAL Auto Radio, complete with tubes. Dimensions: 12\( \times \)5\( \times \)6\( \frac{1}{4} \). Shpg. wt., 20 lbs. Cade Borna. List $49.50. Your cost...**$29.95**
Remote Control Unit

Centralab Auto Radio Suppressors

Centralab Suppressors are from 60% to 600% more effective than other types in eliminating motor spark noise from the radio. They resist to no camouflage, but provide full 11% resistance. The resistance material and the ceramic jacket are baked together as one solid rod with the graphite-like ceramic fully enclosing and protecting the resistance. The "Baptism of Fire" at 2,700 degrees assures great electrical and mechanical strength, so there is no need to hide a miniature resistance in an eye-appealing shell. The Centralab is a 100% suppressor—as the cross-section shows. Note the solid black line in the center extending all the way through. This is resistance material. Units are moisture-proof, rugged and able to stand mechanical shocks.

Auto Ignition Silencer Kits

To suppress the radio-frequency disturbances picked up by the automobile radio set from the ignition system of car. Nestly packed in attractive boxes. Each set has one generator condenser in leakproof metal cylinder; one distributor resistor and a spark plug resistor for each cylinder. Each part of very best quality. 1/2 mfd. condenser on 4 cylinder kit. 1 mfd. condenser on 6 and 8 cylinder kit.

Janette Rotary Converters

These sturdy and efficient Converters permit the operation of A.C. radio, 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 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, oil burner or vacuum cleaners, washing machines, heating pads and similar apparatus.

Auto DX Aerial

Auto DX Aerial

At last a satisfactory auto aerial! More volume, clearer reception, less interference. Completely out of sight. A solid zinc plate, 40 x 4", rolled edges. Complete with rubber covered lead-in and all necessary accessories. Fits every car made. Shipping weight 5 lbs.

Ward De Luxe Car Antenna

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

Hercules Car Antenna

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

Distributor Silencer for Automobiles Radios

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

Generator Silencer

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

Jensen Dynamic Auto Speaker

This Auto Speaker on performance a tone above being used as Standard Equipment for a great many automobile receivers. It has been designed and is particularly suited to operation in an automobile. It is installed in metal case with standard black finish. Provision is made in the design of the speaker to eliminate the collection of dust or dirt in the moving parts, and the entire construction is built to withstand the most severe road shock. Has adjustable lugs for installation on the dash of car and a 3/8" armored cable enclosing all leads. Has a 3 1/2 ohm field coil. Shipping weight 12 lbs.

Wright DeCoster Auto Speaker

Anyone looking for real quality in an automobile S P E A K E R should hear this new model. Enclosed in a good-looking, felt-lined metal cabinet with rich black crackle finish. This greatly decreases the chances of picking up ignition noises. Volume and tone comparable with the large size speakers; reproduction is clear and remarkably faithful. The response is uniform throughout its frequency range. Is provided with a rigid field mounting, and is furnished with 4 ohm field. Shipping weight 5 lbs.

<table>
<thead>
<tr>
<th>Each</th>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>M14236</td>
<td>Universal Coupling .15</td>
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<td>M14238</td>
<td>Add'm cable per ft .30</td>
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<tr>
<td>M14239</td>
<td>1/4&quot; steel rod, per ft .05</td>
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Centralab Auto Radio Suppressors

$2.90

Auto Ignition Silencer Kits

<table>
<thead>
<tr>
<th>Each</th>
<th>Model</th>
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<td>E5280</td>
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<td>Your Cost</td>
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<tr>
<td>E5281</td>
<td>Six cylinder</td>
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<td>Your Cost</td>
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Janette Rotary Converters

<table>
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<th>Input Amperes</th>
<th>Your Cost</th>
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<tbody>
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<td>Y19806</td>
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<td>5.4</td>
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<tr>
<td>Y19807</td>
<td>60</td>
<td>1.5</td>
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<tr>
<td>Y19808</td>
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</tr>
<tr>
<td>Y19809</td>
<td>60</td>
<td>2.4</td>
<td>$38.75</td>
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</table>

Distributor Silencer for Automobiles Radios

P14327 | Your Cost |

Generator Silencer

P14328 | .5 mfd. | $35.00 | Your Cost Each |

www.americanradiohistory.com
The Lafayette Inverter

The Lafayette Inverter is a proven engineering achievement giving 110 volts alternating current from direct current lines. It is quiet, efficient and economical. Proper operation guaranteed. No longer is it necessary to have an A.C. receiver re-made into a less efficient D.C. type. If you are located in a direct current district, simply install a Lafayette Inverter between your supply line, and the Radio Set, electrical appliance or equipment, and it will be ready to operate immediately, on the turn of the switch. Engineers admit that A.C. receivers are superior performers, due to the fact that alternating current can be stepped up to suit the requirements of power voltages for the best performance of radio tubes; most power tubes require voltages much higher than that delivered by the regular direct current supply, in order to work properly. To select the proper type for your needs simply ascertain the direct current voltage available, subtract the approximate watts rating of the radio receiver or other apparatus. For your guidance a 7-tube set is rated at about 76 watts; a 9-tube set—125 watts; and large size sets from 150 to 200 watts. These Inverters in addition to the above uses, efficiently operate medium and small size Neon gas tube signs in direct current districts. Overall size of unit is 8 1/2 in. long, 4 1/2" wide and 7 1/4" high. Shipping weight 20 lbs.

<table>
<thead>
<tr>
<th>Stock</th>
<th>Input Watt</th>
<th>Stock</th>
<th>Input Watt</th>
<th>Stock</th>
<th>Input Watt</th>
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<tbody>
<tr>
<td>Y19835</td>
<td>110 100</td>
<td>Y19836</td>
<td>200 100</td>
<td>Y19837</td>
<td>72 75</td>
</tr>
</tbody>
</table>

--- | ---------------- |----- |--- | ---------------- |----- |--- | ---------------- |-----|
Y19835 | 110 100 | $21.50 | Y19836 | 200 100 | $20.50 | Y19837 | 72 75 | $18.50 |

The Lafayette Auto Converter

This Lafayette Unit converts the current of a 6-volt storage battery to 110 volts alternating current at 60 cycles thus permitting the operation of Auto Receivers in automobiles, boats and other electric appliances where alternating current is not available. The Unit consists of an extremely efficient rotary converter and transformer enclosed in a ventilated case, together with a remote control Switch Unit for switching on and off. The device will operate any alternating current appliance or equipment which does not require more than 60 watts. Small A.C. motors in drink mixers and other electrical appliances may be operated from this Unit, but care should be taken not to overload it. It is fool-proof and requires no attention other than filling about once a year. Its current consumption is extremely small. The Unit is small; its size being about 12" X 6". Can be easily installed in any car or boat. The constant unvarying voltage supplied by this Converter guarantees the maximum life in the quality reproducing and receiving equipment. Can be fastened to the dash board or on seats; with the remote control mounted on steering wheel or dashboard. It easily adapts to any existing or new automobile for the frequent renewal of "B" batteries. In vibration and shock proof. Units are factory tested and guaranteed for proper operation.

<table>
<thead>
<tr>
<th>I.C.A. Super Short Wave Converter</th>
</tr>
</thead>
<tbody>
<tr>
<td>This device will tune wave lengths between 60 and 200 meters. Utilizes 1-27&quot; tube which obtains its power from your Radio through adapter furnish with each converter. This converter makes a super heterodyne receiver out of a T.R.F. set and can be connected to any A.C. radio. Makes use of the entire receiver and should not be confused with other type which used only the audio tubes in the receiver. Use 1-27&quot; tube.</td>
</tr>
</tbody>
</table>

I.C.A. Super Short Wave Converter

<table>
<thead>
<tr>
<th>Mallory-Elkon Auto &quot;B&quot; Eliminator</th>
</tr>
</thead>
<tbody>
<tr>
<td>This New Mallory-Elkon Auto &quot;B&quot; Eliminator develops more than sufficient &quot;B&quot; Power for any and all types of Auto Receivers. Operates at a minimum current drain directly off the regular car storage battery. Your first cost is practically your last—it will outlive your car. Insures freedom from battery trouble, eliminates heavy replacement expense, and makes certain perfect radio reception at all times.</td>
</tr>
</tbody>
</table>

**Gen-Motor Auto "B" Eliminator**

This high efficiency Gen-motor replaces the "B" batteries in Automobile Radio Receivers, and in all kinds of Battery Sets. It makes the Automobile Radio Receiver all-electric, developing more volume, better tone, greater selectivity and distance, at a reduced cost of operation. The Gen-motor, or a combined motor and generator operating from a 6-volt storage battery, is easily installed on any car and will operate any Automobile Radio Receiver designed for "B" eliminator. It has a proven record for successful performance under all the most trying service conditions. A dependable source of supply for "B" power insuring uniform reception. Set up interference in Radio Set can be mounted in an exceptionally small space 4 1/4 x 6". The combined generator and motor is precision built and will last for years without attention. Uses the latest type noise filter. Will carry out the most exacting service. Shipping weight 5 lbs.

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

<table>
<thead>
<tr>
<th>Stock</th>
<th>Code</th>
<th>Output Inter. A. Batt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>No.</td>
<td>Volts M.A. Tap Drain</td>
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<tr>
<td>P1210 B-10-T</td>
<td>10</td>
<td>70 67 50 44 37 30 25 20 10</td>
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<tr>
<td>P1220 B-10-T</td>
<td>10</td>
<td>100 90 80 70 60 50 40 30 20 10</td>
</tr>
<tr>
<td>P1220 B-180-T</td>
<td>180</td>
<td>50 40 30 20 25 10</td>
</tr>
</tbody>
</table>

List $21.00

Your Cost (either unit) $12.35

**Emerson "B" Power Unit**

This "B" Power Unit is an efficient substitute for the "B" batteries in all Automobiles and 12-volt 150 watt Auto Radios. It is a compact and self-contained—easily installed—eliminated "B" battery. Consists of an efficient Dyna Motor, rubber mounted, and Filter, mounted on a steel base plate. Readsly installed in any car, under floor boards or in body. Overall size 7 1/4 x 4 3/4 x 5 3/8" high. Shipping weight 17 lbs.

<table>
<thead>
<tr>
<th>Mallory-Elkon Auto &quot;B&quot; Eliminator</th>
</tr>
</thead>
<tbody>
<tr>
<td>This New Mallory-Elkon Auto &quot;B&quot; Eliminator develops more than sufficient &quot;B&quot; Power for any and all types of Auto Receivers. Operates at a minimum current drain directly off the regular car storage battery. Your first cost is practically your last—it will outlive your car. Insures freedom from battery trouble, eliminates heavy replacement expense, and makes certain perfect radio reception at all times.</td>
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**For 32 Volt Lighting Plants**

<table>
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<tr>
<th>Stock</th>
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<th>Output Inter. A. Batt.</th>
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<tbody>
<tr>
<td>No.</td>
<td>No.</td>
<td>Volts M.A. Tap Drain</td>
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<tr>
<td>P14213 A-3235</td>
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<td>80 70 60 50 40 30 20 10</td>
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<tr>
<td>P14213 A-3250</td>
<td>150</td>
<td>80 70 60 50 40 30 20 10</td>
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</table>

List $21.00

Your Cost (either unit) $12.35

**Mallory-Elkon Auto "B" Eliminator**

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

List Price $17.50

Your Cost $10.29

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

www.americanradiohistory.com
Built-in Power Pack

An Advanced Set for Amateur and Communication Purposes

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

TRF-REGENERATIVE CIRCUIT

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

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

We have engineered and built this receiver of the finest quality materials possible, only the highest grade of workmanship has been used in its construction. We are pleased to offer this complete receiver, with power pack incorporated, to the amateur operator and short-wave "fan at a price that he would expect to pay for the receiver chassis alone. No expense has been spared to make this receiver the outstanding short-wave set of the year. Signals are clear and crisp, more volume than one would require on a dynamic speaker.

METAL CABINET

Strong steel cabinet measures 12½ inches long, 12 inches deep, 8½ inches high. Has hinged top for easy insertion of coils and tubes. Adequately ventilated. An extremely well designed and ruggedly built receiver, attractively finished in black crystalline mark-proof finish.

LAFAYETTE...

BATTERY TYPE...

SHORT-WAVE RECEIVER

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

BATTERY PENTODES USED

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

WORKS ON AIRCELL BATTERY

The new Lafayette 6-tube receiver works on a two-volt AirCell for filament current and 135 volts of "B" battery. A long cable for battery connections is supplied. All steel case, neatly finished in black crystalline, has hinged top. Measures 12½ inches wide, 6 inches deep, 8½ inches high. Suitable for automobile use because of its strong construction.

Model M-15—Lafayette 4-Tube Battery Type Short Wave Receiver, complete with plug-in coils and drum dial, less tubes, batteries and loud speaker. Dimensions: 12½ x 6 x 8½ inches. Shpg. wt. 19 lbs. Code: 6-27.50

Model M-16—SW Battery Set, complete with tubes, $31.50

PAGE 28
### GUARANTEED FOR 6 MONTHS

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

<table>
<thead>
<tr>
<th>Item Description</th>
<th>List Price</th>
<th>Your Cost</th>
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<tr>
<td>Det-Amp, 6.3 V, List $1.40</td>
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<td>Heater Pentode, 6.3 V, List $1.60</td>
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<td>New R.F. Pentode, 6.3 V, List $1.80</td>
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<td>Power Pentode Output, List $1.60</td>
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<td>Power Pentode, 6 V, List $1.60</td>
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<td>Power Pentode 30 Volt D.C., List $3.00</td>
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<td>Power Amplifier, List $4.00</td>
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<td>Full-Wave Rectifier, List 90c</td>
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<td>Half-Wave Rectifier, List $3.50</td>
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<tr>
<td>Power Amplifier, F. W. M. V. Rectifier</td>
<td>$71.50</td>
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</tbody>
</table>

Because of the unsettled tube situation, prices are subject to change. In line with our policy of selling at the lowest prices, we will pass on to you any savings in cost made by tube manufacturers after this catalog appears.
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**—burnouts and breakages are the only exceptions. To the best of our knowledge, this is the most liberal tube guarantee in the country.

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

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**SECTION OF TUBE LABORATORY**

View of part of Wholesale Radio's tube laboratory, where all tubes are tested before being shipped to customers. A force of radio men are constantly employed at this task.
LAFAYETTE 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. Lafayette are "FIRSTS"—GUARANTEED PERFECT AND OF UNIFORM QUALITY!

PRECISION MADE
Lafayette Tubes are the perfect product of coordinated efforts of engineers and craftsmen, and of the most modern automatic tube making machinery. The same care which is used in the selection of parts is also exercised in every step of all manufacturing processes: from the blowing of the "flare" to the final inspection.

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

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

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

| 252 | $2.00 | 90¢ |
| 252-S | $2.00 | 90¢ |
| 112A | $1.30 | 65¢ |
| 121A | $1.50 | 75¢ |
| 121-B | $1.50 | 75¢ |
| 201-A | $1.50 | 75¢ |
| 210 | $5.00 | 240¢ |
| 222 | $2.00 | 98¢ |
| 224-A | $1.40 | 63¢ |
| 226 | $1.05 | 42¢ |
| 227 | $1.05 | 47¢ |
With Every Order For Seventy-Five ASSORTED SYLVANIA TUBES

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

<table>
<thead>
<tr>
<th>Type Description</th>
<th>List</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>00A Detector</td>
<td>$4.00</td>
<td>$2.12</td>
</tr>
<tr>
<td>01A Amplifier and Detector</td>
<td>0.80</td>
<td>0.42</td>
</tr>
<tr>
<td>10 Pwr. Amp. and Oscillator</td>
<td>5.00</td>
<td>2.45</td>
</tr>
<tr>
<td>12A Amplifier</td>
<td>1.45</td>
<td>0.79</td>
</tr>
<tr>
<td>15 Detector and Oscillator</td>
<td>2.85</td>
<td>1.51</td>
</tr>
<tr>
<td>19 Pwr. Amp.</td>
<td>2.85</td>
<td>1.51</td>
</tr>
<tr>
<td>20 Dry Cell Pwr. Amp.</td>
<td>3.00</td>
<td>1.69</td>
</tr>
<tr>
<td>22 Screen-Grid Amp.</td>
<td>2.00</td>
<td>1.06</td>
</tr>
<tr>
<td>24 A.C. Screen-Grid Amp.</td>
<td>2.00</td>
<td>1.06</td>
</tr>
</tbody>
</table>

**WUNDERLICH TYPES**

<table>
<thead>
<tr>
<th>Type Description</th>
<th>List</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 V. 5 Prong.</td>
<td>$3.00</td>
<td>$1.76</td>
</tr>
<tr>
<td>2.5 V. 6 Prong.</td>
<td>$3.00</td>
<td>$1.76</td>
</tr>
<tr>
<td>6.3 V. 6 Prong.</td>
<td>$3.00</td>
<td>$1.76</td>
</tr>
<tr>
<td>6.3 V. 5 Prong.</td>
<td>$3.00</td>
<td>$1.76</td>
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**15 VOLT TYPES**

<table>
<thead>
<tr>
<th>Type Description</th>
<th>List</th>
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<tbody>
<tr>
<td>22 S. G. R. F. Amp.</td>
<td>$7.50</td>
<td>$3.97</td>
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<tr>
<td>26 Detector</td>
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<tr>
<td>28 Amplifier</td>
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<tr>
<td>30 Power Amp.</td>
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<td>1.59</td>
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<tr>
<td>31 Hi. Mu. Amp.</td>
<td>3.00</td>
<td>1.59</td>
</tr>
<tr>
<td>40 Millipher</td>
<td>3.00</td>
<td>1.59</td>
</tr>
<tr>
<td>48 Amplifier</td>
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</table>

**SYLVANIA**

<table>
<thead>
<tr>
<th>Type</th>
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<th>List</th>
<th>Your Cost</th>
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</thead>
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<td>Detector</td>
<td>$4.00</td>
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<td>Pwr. Amp. and Oscillator</td>
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<td>2.45</td>
</tr>
<tr>
<td>12A</td>
<td>Amplifier</td>
<td>1.45</td>
<td>0.79</td>
</tr>
<tr>
<td>15</td>
<td>Detector and Oscillator</td>
<td>2.85</td>
<td>1.51</td>
</tr>
<tr>
<td>19</td>
<td>Pwr. Amp.</td>
<td>2.85</td>
<td>1.51</td>
</tr>
<tr>
<td>20</td>
<td>Dry Cell Pwr. Amp.</td>
<td>3.00</td>
<td>1.69</td>
</tr>
<tr>
<td>22</td>
<td>Screen-Grid Amp.</td>
<td>2.00</td>
<td>1.06</td>
</tr>
<tr>
<td>24</td>
<td>A.C. Screen-Grid Amp.</td>
<td>2.00</td>
<td>1.06</td>
</tr>
</tbody>
</table>

**SPARTON**

<table>
<thead>
<tr>
<th>Type Description</th>
<th>List</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1928 5 V. Pwr. Amp.</td>
<td>$2.35</td>
<td>$1.35</td>
</tr>
<tr>
<td>185 5 V. Pwr. Amp.</td>
<td>2.10</td>
<td>1.11</td>
</tr>
<tr>
<td>485 3 V. Det. &amp; Amp.</td>
<td>1.85</td>
<td>0.98</td>
</tr>
</tbody>
</table>

Sylvania tubes are guaranteed for six months (burnouts and breakage excepted)
Silver-Marshall Power and Audio Transformers

No. 360 Power Transformer for 7-Tube Receivers
Ideal for general replacement purposes. Furnished with copper leads for receivers and transformers. The following are the electrical characteristics: 2.5 volts at 1.5 amps, 5 volts at 3.5 amp. Shipping weight 1 lb. 340-
Your Cost $3.15

347 Power Transformer for Model 724 AC 10 Tube Receivers
Genuine replacement Power Transformer for Silver Marshall Model 724 A.C. sufficient voltage for 10 tubes and the following winding sizes: 2.5 volts at 12.5 amps, 5 volts at 2.5 amp., 7.5 volts at 2.5 amp., 10 volts at 500 ma. Size 24 x 2 1/2 x 3 1/2 high. Shipping weight 10 lbs.
C2407-
Your Cost $3.25

No. 346 Power Transformer for 10 Tube Receivers
Ideal replacement for other sets than Silver Marshall. Will supply voltage and current for up to 8 tubes; has the following winding sizes: 2.5 volts at 14.5 amp., C.T., 5 volts at 2 amps. Size 37 x 3 3/8 x 3 1/4 high. Shipping weight 14 lbs.
C2406-
Your Cost Special $3.50

Power Amplifier Transformer
For 24A-1, 54-1, 24B-1 tubes Silver Marshall No. 10120, supplies filament and plate voltages for the above tubes. Make the ideal Power Transformer for all types of apparatus and address systems. 1144 volts at 70 M.A., 75 volts, 2.5 amp., 7.5 volts at 1.25 amp., 12.5 volts at 1 amp. Electronic shield. Size 5 1/2 x 4 1/2 x 3 1/2. Up. or. inverted mounting. Shipping weight 15 lbs.
C2405-
Your Cost $3.70

Heavy Duty Power Transformer for 8 Tube Receivers
Flush Mounting Type
Extra heavy Duty Power Transformers for general replacement in 8 tube sets. The electrical characteristics are as follows: 2.5 volts at 14 amps, 5 volts at 8 amp., 15 volts at 8 amp., 30 volts at 80 M.A. For 110-120 volts, 25-60 cycle. Shipping weight 11 lbs.
C2404-
Your Cost $3.50

Output Transformer Unshielded No. 241
Unshielded Output Transformer, single, 71, 45 or 60, to a magnetic speaker. Heavy duty type. Up. or. inverted mounting. Soldering lug available. Size 2 3/4 x 2 1/2 x 3 1/4 high. Shipping weight 4 lbs.
C2410-
Your Cost Special $75

Second Stage Audio No. 256
For use between Standard First and Second Stage. Ratio 3.5 to 1. Size 2 3/4 x 2 1/2 x 4 1/2 high. Shipping weight 3 lbs.
C251-
Your Cost $75

Output Transformer No. 222
For use between a single Power Tube and a Magnetic Loudspeaker. Ratio 1 to 1. Complete as shown in diagram. Eutectic silver. Shipping weight 6 lbs.
C2412-
Your Cost Special $75

Input Transformer No. 257
A push-pull Input Transformer designed to operate between one 15A-1 or two grid-coupled tube D.C. plate voltages. Equipped with four phone tip jacks for connections. Shipping weight 2 lbs.
C2408-
Your Cost $70

Output Transformer No. 10121 Unshielded
A Transformer designed to couple one 224 or 50-type tube to 15A, 60 or 60-ohm loads by means of a tapped secondary. Size 2 3/4 x 2 1/2 x 4 1/2 high. Shipping weight 4 lbs.
C2417-
Your Cost $80

Audio Transformer No. 220
Provides substantially straight-line amplification from 20 to 6000 cycles. After 6000 cycles the amplification falls off rapidly to discriminate against static, regenerative squeals and noise level beyond the musical range. Turn ratio 3 to 1. Shipping weight 8 lbs.
C2409-
List $4.30

Audio and Phono Coupling Transformer No. 225R
Consists of a high impedance primary and the secondary is tapped to connect a magnetic speaker. Black enamel finish. Shipping weight 3 lbs.
C2413-
List $4.80
Your Cost Special $78

Audio Coupling Transformer No. 272
A split choke type used for Coup- pling Transformers into two 245 tubes in P. F. It is divided into two equal halves of approximately 250 henries each. Used in 724 AC and 724DC superhet. Open type. Size 2 1/2 x 3/4 x 7/8 high. Shipping weight 2 lbs.
C237-
Your Cost Special $75

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

Thordarson Tapped Choke, rated at 70 henry, 60 M.A. 640 ohms. Shipping weight 2 lbs.
C4245

Your Cost $70

C2425

Your Cost $70

Low Resistance Choke 10 Henry—50 MA.
Here is a fine quality Choke, midsize in size, rated at 10 H., 60 M.A. Only 15 cent resistance. Size 2 x 1 x 1 1/2 high. Shipping weight 2 lbs.
C2426

Your Cost $39

30 Henry—75 MA.
Filter Choke
For Power Amplifiers using either P. 244 or 247 tubes. Unshielded, has mounting brackets. 30 henry, D.C. resistance 150 ohms. Size 3 1/2 x 2 x 2 1/4 high. Mounting center, 1 1/4". Shipping weight 5 lbs.
C2401-
Your Cost $69

30 Henry—100 MA.
Filter Choke
For all high power amplifiers, using 247 or 259 type tubes. One of the finest Filter Chokes that has ever been offered at this price. Extremely low D.C. resistance of 350 ohms. Unshielded, open mounting with brackets. Size 3 1/4 x 2 1/2 x 2 1/4. Shipping weight 4 lbs.
C2402-
Your Cost Special $95

Audio Transformer No. P-P.
The genuine Thordarson Push-pull output transformer used to couple a single output stage of 71, 46, '50 type tubes or in push-pull, as primary matches the impedances of these tubes. Can be used on all types of dynamic speaker voice coils. Replaces that burned-out transformer on your speaker. Size 2 3/4 x 2 1/2 x 3 1/4 high. Shipping weight 2 lbs.
C2423-
Your Cost $75

30 Henry—50 MA.
Filter Choke
For Power Amplifiers using either P. 244 or 247 tubes. Unshielded, has mounting brackets. 30 henry, D.C. resistance 150 ohms. Size 3 1/2 x 2 x 2 1/4 high. Mounting center, 1 1/4". Shipping weight 5 lbs.
C2401-
Your Cost $69

2427-
Your Cost $2.75

RCA Automatic Remote Control
VICTOR See Page 41

$12.50
Oxford Dynamic Speakers

New Twin Speakers

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

6" Twins
W19158—P—P 45s
Cost Per Pair
$4.75

8" Twins
W19160—P—P 45s
Cost Per Pair
$5.50

Oxford A.C. Dynamic Speakers

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

11½" Model
W19162—For P—P 47s
Cost Per Pair
$5.85

Your Cost
Either Type
$6.65

Special Dynamic Speakers

This is an unequalled speaker value. A special Midget Model 6½" in diameter, for use in all types of Midget Receivers. It has a remarkable tonal purity with plenty of volume. Equipped with output transformer for single 45 or 47. Well made of new music grade material and supplied with 2500 ohm field. Surprisingly faithful reproduction. Rugged construction. Shipping weight 6 lbs.

Your Cost
Either Type
$1.90

Single Speakers

This Dynamic Speaker Chassis is similar in design, workmanship and materials to the 8½" Model described above, with the exception that this is a D.C. Model, and requires that the power is supplied from the radio receiver, amplifier, or other source of supply. It has the same characteristics and is made for use in radio receivers, amplifiers, etc. Furnished with output transformer for push-pull 45s and 47s. Equipped with hum bucking coil. Shipping weight 12 lbs.

W19151—For push-pull 46s
W19151—For push-pull 47s
Your Cost
Either Type
$2.95

Special Value Magnetic Speakers

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

W19152—Your Cost
$1.35

6" Twins
W19151—P—P 45s
W19151—P—P 47s
Cost Per Pair
$4.75

8" Twins
W19160—P—P 45s
W19160—P—P 47s
Cost Per Pair
$5.50

New National S.W. Super-heterodyne Receiver

This new Type F18-7 Receiver is designed to secure what corresponds to commercial performance from a receiver designed for amateur use. Uses the very latest type of S.W. superheterodyne circuit. Designed to take full advantage of latest 50 series tubes. Uses two stages of intermediate frequency. Second detector is power type, and feeds directly into single power pentode audio stage; power output 3-4 watts. Operates best with speakers of 5000 ohms. Suitable for F.W. as well as phone. Does not use eliminate any tuning drift. Coils shielded. Intermediates tuned, assuring peak efficiency. Straight frequency line tuning; 270 degree condensers spread the band over 90% more dial space than 180 type. Image suppression has been increased 600 times over any receiver, not employing an additional stage ahead of first detector. Can be used with phones. All metal cabinet. Will work effectively with filament transformer and "B" Batteries. Shipping weight 28 lbs.

N13854—List Price $45.00

Your Cost
$26.46

N13858—General coverage coils, 20 to 30; 23 to 42; 35 to 60; 55 to 85; 85 to 110.5, 5 sets of coils in pairs.

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

N13859—Band Spread Coils in pairs, for 20, 40, 80 and 160 meter bands, covering phone and C.W. portions.

Your Cost Per Pair, (Specify Coil Range desired)
$5.88

N13888—No. 5887-AB

Power Supply Less Tube

$14.40

Sprague Midget Condensers

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

Stock
No.
Capacity Voltage
D4200—.0005 400
D4201—.001 700
D4202—.005 500
D4203—.006 400
D4204—.01 500
D4205—.02 400
D4206—.04 400
D4207—.06 400
D4208—.08 350

Your Cost Each
.
.
.00
Per Dozen
.
.
.40

D4210—.1 400
D4211—.2 400
D4212—.5 200
D4213—.25 700

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

G. E. Condenser 4½ Mfd. 800 Volts

G. E. Condenser (List Price)

Victor

RE-45—RE-75

The official replacement part No. D1, 1961,440, Metal container. Size 3½x½x½", standing bracket. Flexible leads. Shipping weight 2 lbs.

$4.47—Your Cost

$35.00

Socket Prong

A necessity for Set Builders and Amateurs. Make your own low loss sockets on your base or sub-panel.

N13838—Your Cost Each

Your Cost for 12 at 20°

$1.00

G. E. Tap

This General Electric Bakelite Twin Tap, provides one additional outlet from a single conveniences outlet. Rating of 15 amperes at 125 volts; 10 amperes at 250 volts.

W19113—Your Cost Each
12 For

$6.00

RCA Automatic Remote Control

For further details see page 41

www.americanradiohistory.com
C. R. L. Volume Controls

H9637—5000 Ohms Radiomh. $19.95—75,000 Ohms Pot. 
Your Cost Each $19.95

Dual Volume Control—5000 ohms wire wound and 15,000 carbon pot. 
M9696—Your Cost Each $19.95

Carter Jacks

Never before have these well known Jack Switches sold at any thing like our new low price. Just an- other example of how "Wholesale" saves you money. Type 101. One spring. Open Circuit.
F6280—Your Cost Each $5.00

Type 102A. Two springs, breaks one circuit and breaks another when plug is inserted.
F6281—Your Cost Each $5.00

Type 103. Three springs; two open circuits closed when plug inserted. 5ft. control.
F6282—Your Cost Each $5.00

Type 104. Four springs. Two circuits broken when plug is inserted; makes another.
F6283—Your Cost Each $5.00

Type 105. Five springs. Makes two circuits; breaks when plug is inserted.
F6284—Your Cost Each $5.00

Dozen, any type $50.00

H & H Two Circuit Switch

Faraday 15 Mil. 1000 Volt Condenser Block

For high power receivers. Two 2 mil. at 90 volt; two 2 mil. at 600 volt; two 2 mil. at 300 volt; one 2 mil. at 150 volt; one 3 mil. at 150 volt; provided with 9 soldering lugs. Soldered short to container. Size 5½x5¼x½. Faradion No. 3776-A. Shipping weight 2 lbs. 
M12820—Your Cost Special $4.25

R. F. Coil Assembly

For Radiola Models 17, 18, 32, 41, 60, 51, 60, 62 and 64. Consists of Antenna and 2 R. F. coils with RH choke trimmer condensers and R. F. by-pass condensers mounted on metal terminal strip. Coils are 1154 x 1154. Some have Isolatine trimmer condensers. Shipping weight 1 lb.
H1006—RCA No. 8293

For Models 18 and 51. 
H1007—RCA No. 8518

Your Cost Each $95.00

For Models 60-62-64. 
H1008—RCA 8341. $1.75

R. A. G. E. 6466—Your Cost Special $49.00

Short Wave Change-Over Switch

One of the finest Short-wave change-over switches made. Consists of three sections: First and second sec- tions have common double pole to four positions; rear unit is single pole, four positions. Double con- tact holes, positive and negative. Pole mounts are insulated from shaft. Size 3½x3½, 2½ shaft over all. Shipping weight 1 lb.
H1006—RCA No. 8293

For Models 17 and 50. 
H1007—RCA No. 8518

Your Cost Either Type $95.00

R.C.A.—Radiola Wave-Trap

This efficient Wave-trap was designed and made by RCA, to increase the selectivity of their Radio Receivers; Models No. 17, 18 and 33. It accom- plishes this with unusual success. It may also be applied to any other set with equal effectiveness. For separating stations, eliminating interference and to reduce static, this wave-trap has no equal. It is especially adaptable to your set if you have a problem of crossing stations. It is very efficient in helping to separate the jumble of stations at the low wave length end of the broadcast band. Complete instructions are enclosed. Shipping weight 1 lb.
Q16175—Your Cost Each In lots of 10, $5.50 $39.00

R.C.A.—Radiola Catacombs

For the Radiola Six Tube Models No. 24, VIII.
C2176—Part No. 8100. For Model No. 8 for Tube. 
C2177—Part No. 8111. For Models No. 28, 30, 30-A, 32, Eight Tube Sets. 
C2178 Part No. 8118. These are the original catacomb tops made by RCA for their own sets, as outlined above. Shipping weight 7 lbs. 
Your Cost, Either Type 
$1.25

NA-ALD Fade-Out Announcer

Be able instantly to trash the radio without leaving your chair. If the phone rings—if you want to remove a reminder and be heard to call someone in the next room—or if you wish to reduce the voice or instrument note are troubled with a particular telephone station. It is very efficient in helping to separate the jumble of stations at the low wave length end of the broadcast band. Complete instructions are enclosed. Shipping weight 1 lb.
Q16175—Your Cost Each In lots of 10, $5.50 $39.00

Metal Chassis

For Receiving Sets, Transmitters, and Amplifiers. Heavy gauge pressed steel. Six models. Shipping weight 4 lbs.
No. 1 Chassis, same as illustrated for Amplifier. 3 tube set or experimental purposes. 
M12810—Your Cost $25.00

"A" Midget Chassis, cadmium plated. 10¾x7½x2½. Open sides; 8 cut-outs. For 4 tube set. Mount holes M12870—Your Cost Each Special $4.95

M12871—Your Cost Each $8.50

"C" Chassis. Cadmium plated. 13¾x9½x3½. Open sides. 15 cut-outs. For 8 tube set. Add 50c. 
M12872—Your Cost Each $8.50

"D" Chassis. Cadmium plated. 12¾x8x3½. Reinforced corners. 9 cut-outs. For 5 tube set. 
M12873—Your Cost Each $5.50

M12874—Your Cost Each $4.95

H & H Dual Switch

For Time Delay; Radio-Phono, and Long Short Ant. 
M12822—Your Cost Each $12.00

Slotted-Shaft Toggle Switch

Single circuit jack switch. Complete with knob and plate. 
F6284—Your Cost Each $0.25

Tally... Phone-Radio Switch

This is a double pole double throw switch; the same as used in the Victor Combitrol by Cutler-Hammer. 125 volts, 3 amperes. For replace- ment where switch is part of the volume or tone control. 5¾ shaft. 
Your Cost Each $6 for $1.25

Hart & Hagemann Rotary Snap Switch

Switch will stand 250 volts at 3 amps. 
M12815—Your Cost Each In lots of 10, $1.00 $12.00

Heavy Duty Rheostat

This is a heavy duty Rheostat made by DeJur. It is adaptable for many uses among which are for controlling, electrical apparatus, also for use in circuits having a very heavy amperage drain. The form is of moulded Bakelite, fitted with a pointed Knob. Rheostat has a 5½ ohm winding of the highest grade resistance wire, and has a maximum carrying capacity of 25 amperes. Shipping weight 1 lb. 
M9708—Your Cost Each $90.00

www.americanradiohistory.com
Victor Orthophonic 
Sound Box 
Special Value!


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

Victor Tungsten Needles

The genuine Victor Tungsten Needles. Each plays over one hundred records and stands out distinctly at the first one.

A185—Your Cost  
Per Box of 8 Needles 15c

General Electric

Time Clock

Used in RCA centralized radio systems. Will handle any electrical device up to 660 watts 110 volts. Acts automatically, will turn the radio on or off at regular intervals by simply setting the adjustments on the face of the clock. The same time setting principle is to be employed when this clock is in use with any other electrical appliance. Is equipped with a genuine Telegraph movement and can be adapted to most circuits. 110 volt 60 cycle. Size 6 1/4 x 4 1/2 x 3". Shipping weight 12 lbs.
U8804
Your Cost................. $12.50

Direct Drive Dial

The ultimate in dial simplicity. A new traveling light full vision direct drive assembly. Light travels with pointer making dial settings much easier to read. With an attractive full vision escutcheon. Shipping weight 6 oz.
H9877
Your Cost Complete...... 10c

Gold Seal

Type 227 Tubes

It will pay you to stock up on these exceptionally high grade bargain tubes. Boxed and guaranteed for thirty days. Shipping weight 1 lb.
V1905—Your Cost Each 25c

Skinderviken

Mike Button

Many interesting experiments can be made with this "mike" button.
M11485—Your Cost Each 75c

R.C.A. Photophone Amplifier

Used in the Auditorium Radiola

This is the Power Amplifier to use for installations requiring the last word in amplifiers. Incorporates the ideal type of circuit, to obtain the best tone quality without distortion. Furnishes the field current for three Photophone Dynamic Speakers. Main Amplifier utilizes 2 type 50s and 2 type 84 tubes, together with a double dry Westinghouse Redox Unit for rectifying the field supply current. A separate power pack, utilizing a single type 80 tube, supplies filament and plate voltages for a suitable transformer. A perfect replacement amplifier for all Theatre Installations and Public Address Systems. It leaves nothing to be desired in the matter of Volume, Tone, Reproduction and Response. Use with the RCA Photophone Dynamic Speaker, or any Heavy Duty Dynamic. Shipping weight 165 lbs.
Y19879
Your Cost for this Special Amplifier .............................. 85.00

Presto Record Maker Outfit

Records Made Instantly

This is the finest Recording Device available. It will make perfect records of your own voice in your own home and play them back immediately! Will also reproduce ANY RECORD with a fidelity of tone never before attained. So simple a child can operate it. Presto Record Maker (complete with motor—recording and reproducing tone arm, cabinet and hand microphone—ready to operate), Shipping weight 40 lbs.
Y19882—List Price $65.00
Your Cost......................... $27.50

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 fabric covered carrying case. The electric motor is the famous Green Flyer, noted for its silent operation as the gears are of laminated bake- 
life and are run in oil at all times. The motor is of the induction type. Has 12" turntable, volume control, speed indicator and manual switch for either speed of 33 1/3 or 78 R. P. M. Case is unusually attractive in appearance with padded top. Size 13x18x7" high. For 110 volt, 60 cycle operation. Shipping weight 28 lbs.
Y2201—List $60.00
Your Cost Special........... $23.95

RCA-Victor 250 Amplifier

Janette Rotary Converter

Special!  
$19.50
[200 Watt Output  
110 Volt D.C.  
to 110 A.C.]  

This is a chance to own a high power 250 amplifier, designed and built to exacting standards by RCA-Victor. Utilizing 1-26, 1-26b and 2-81 tubes. Output transformer matches 11 ohm voice coil of a dynamic speaker. Will supply voltage and current to any 1000 ohm field of a dynamic. Undistorted output, 5 watts, which is sufficient to handle gatherings up to 600 or 1000 persons. Will operate three full size dynamic speakers or 6 magnetic speakers. An excellent power amplifier for public address systems and phonograph pick-up reproduction. RCA-Victor Model AF-725 (SPU 24). Shipping weight 66 lbs.
P15732—Your Cost Each (Less Tubes)........... $8.95

WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave. New York
**Power tone Superior Radio Tubes**

At Bargain Prices

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Your Cost</th>
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<tbody>
<tr>
<td>112A</td>
<td>5 V. Per. Amp.</td>
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<td>171</td>
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<td>195X</td>
<td>1.3 V. Det. &amp; Amp.</td>
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<td>19V9</td>
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<td>210</td>
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<tr>
<td>230</td>
<td>2.5 V. Det. &amp; Amp.</td>
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</table>

**White Automatic Record Changer**

The White Automatic Record Changer is the most flexible unit of this type ever offered. It is finely finished in appearance and occupies very little space, due to the elimination of cumbersome record racks. Fully automatic, it will play either the 10 or 12" records, whether they are waxed or not. Any record can be repeated or ejected at will. It is easy to load, carries full support for the records at all times, thus making it impossible to warp them. Its flexibility is remarkable and due to its small size, it adapts itself to many uses heretofore impossible. It can be installed in a cabinet with an amplifier and speaker, or it may be plugged into an existing radio set. Due to the ingenious design of the operating mechanism, it will not chip or mar records in any way. It can be started or stopped, loaded or unloaded at will. Has a precision clamp prevents slipping of records while playing. This automatic record changer must be mounted on an angle of 45° or a 21° slant. Overall dimensions of changer, 9 1/2" high, 12 1/2" wide, 13 3/4" long. For 115 volt, 50-60 cycle. Shipping weight 25 lbs.

**Genuine Kellogg A. C. Tubes**

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Your Cost</th>
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<td>401</td>
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<tr>
<td>403</td>
<td>Per. Amp.</td>
<td>$0.24</td>
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</table>

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

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

**Extension Cord Unit**

Silk covered 8/4 ft. double cord with Bakelite cap. 1000 Volts. For Edison and Splitter Receivers

**Midget Condensers**

Types for neutralizing R. F. amplifiers, antenna coupling, tuning, verniers, regeneration control, and short wave tuning circuits. 1/2 shaft with knob. Ship. wt. 3 lbs.

**Sangamo "Illini" Mica Condensers**

25 lbs. on an angle of high, 12 W wide, chip or marr recorders in any way. It can be started or stopped, loaded or unloaded at will. Has a precision clamp preventing slipping of records while playing. This automatic record changer must be mounted on an angle of 45° or a 21° slant. Overall dimensions of changer, 9 1/2" high, 12 1/2" wide, 13 3/4" long. For 115 volt, 50-60 cycle. Shipping weight 25 lbs.

**C R I Volume Control**

Crosley part No. 6588. Special Volume Control for Model 11-A 25000 and 15000 ohms. C $1.68 Your Cost 15c

**Victor "ABC" Power Transformer**

For models, R 3 5, E 4 6, R - 5 2, E - 7 5. Original Victor ABC Power Transformer Utilizing, 6 - 2' 6" 2' 4"s, and 1,80. Removed from Victor amplifiers, but are guaranteed in perfect operating conditions. Shipping weight 11 lbs.

**Scoville Low-Type 4-Gang Condenser**

Brose plate, cadmium plated frame, shaft diameter 1/4. Capacity .0005 mfd. Clock-wise rotation. Plate mountings. Size 1/5" wide, 3/4" high (fully opened) and 10" long. Shipping weight 6 lbs.

**Mershon Electrolytic Condensers SPECIAL!**

8 MFD. Single 27c Triple Five (5-5-5) 45c

**Push Button**

For general use. M12230 Each 18c Dozen 52.00

---

**Bargains - Quantity Limited**

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

39
**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 additional 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. 70% is the average of our low price policy. We cannot afford to give credit as we ask no one 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 charge for this service.

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 lot.

When ordering, specify method of shipment you prefer. In the upper right hand corner of the order blank you will find a place where you can mark your preference. Marked "Express," "Parcel Post," "Freight," "Boat," and "Best Way" are 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 and you 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 60% deposit, WITH OLDERS, balance sight drafts 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, PLUS SHIPPING CHARGES. 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 1/2¢ per cent of the order's value, with a minimum rate of 25 cents.

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

**PARCEL POST**
Freight and Express shipments are sent transportation collect. Orders accompanied by parcel post must be prepaid, and we therefore request that you INCLUDE POSTAGE FOR PARCEL POST IN YOUR ORDER. 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 1 pounds. The nearest big city to Edwight is Charleston, which he finds from the above chart is in the 4th zone. The cost of sending 1 pound 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:

<table>
<thead>
<tr>
<th>When value of parcel is up to</th>
<th>$5.00</th>
<th>Charge is 5 cents</th>
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<tbody>
<tr>
<td>&quot; &quot; between $5.00 &amp; $25.00</td>
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<td>&quot; &quot; up to $50.00 &amp; $100.00</td>
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<td>&quot; &quot;</td>
<td>.50</td>
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</table>

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:

<table>
<thead>
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<th>When value of parcel is up to</th>
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<th>the extra charge is 12¢ (incl. ins.)</th>
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<tr>
<td>&quot; &quot; between $25.00 &amp; $50.00</td>
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<tr>
<td>&quot; &quot; between $50.00 &amp; $100.00</td>
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<tr>
<td>&quot; &quot; between $100.00 &amp; $150.00</td>
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<tr>
<td>&quot; &quot; between $150.00 &amp; $200.00</td>
<td>.56</td>
<td></td>
</tr>
<tr>
<td>For each $50.00 value above $200.00 the charge is 5¢ more (including Insurance)</td>
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</tbody>
</table>

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, or 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.

Prices in this Catalogue subject to change without notice.

**WHOLESALE RADIO SERVICE CO., INC. • 100 Sixth Ave, New York**
Acknowledged the finest remote control mechanism that has ever been offered to
the public, practically fool-proof. Engineered
and Built by Westinghouse. Used on the
most expensive Radiola and Victor receivers

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

The motor is provided with a tapped reactor
and condenser for changing the phase angle of
the applied current so that operation in either
direction may be secured. The motor operates
at 28 volts for the station selector and 18 volts
for the volume control.

The proper direction of operation and stopping
of the motor selection of a desired station is
controlled by a series of drums and contactors.
The drums hold the contactors in the proper
position so that when a particular selector
button is depressed, the motor will turn in the
right direction when the contactor is at the
point on the drum where it is half way between
each contact, the motor stops. This is 180° from
the hole that is used to set the drum for a par-
ticular station. A pilot lamp is located on the
remote control box, a common lead is used for
the lamp and the selector buttons, by doing this,
when a selector button on the box is pressed, the
current through the common lead is increased,
likewise the voltage drop in the lead is increased.
The result is that while the motor is running the
pilot lamp becomes very dim. As soon as the
motor stops, the lamp flashes bright, thus indi-
cating that the motor has stopped and the
station is tuned in. If the station is not then
heard, it is necessary to press the + volume
control button a little at a time until the desired
output level is obtained.

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

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

This remote control assembly may be attached
successfully to any electric or battery receiver
provided it has the following physical char-
acteristics. The variable condenser must be of
the ball bearing or easy moving type. This
control is equipped with an eccentric gear ar-
rangement whereby the arrangement of the
variable condenser and control unit may be
geared up to match any portion of the laminated
gear of the control. However, in many cases it
may be necessary to take off the gear arrange-
m ent on the control unit, by removing a pin that
goes through the entire shaft, and connecting
a %" coupling unit.

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

For operation of 110 volt, 60 cycle only.
Shipping weight 20 lbs. Shipping weight 20 lbs.
Y18425—Your Cost—$12.50

We Will Not Knowingly Be Undersold
Drives 20 Full Size Dynamic Speakers

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

High Gain

Technically, the characteristics of this amplifier are as follows: It has a gain of 83 db at 1000 cycles, is only minus 3 db at 80 cycles and actually rises to plus 2 db at 6000 cycles above the overall gain of 83 db. Input impedance 500000 ohms; output impedance 4, 8, 15, 500 and 2000 ohms.

28 Watts Power

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

Drives 20 Speakers

The Lafayette Class "B" amplifier is powerful enough to drive 20 full size dynamic speakers when properly connected. Under no circumstances should the average single speaker be connected to the output of this amplifier under full load.

Circuit Data

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

Component Parts

All parts are carefully tested with precision accuracy, and they are designed to give the maximum of service. Both the power transformer and the choke assembly are designed to handle twice the normal current to which they are subjected under full load. These husky units each measure 6 3/4 x 6 5/8". Overall, the amplifier is 11 1/2" deep, 20" long and 10" high.

Complete 28 Watt Class "B" Public Address System

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

Special Matching Transformers

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

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

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At Last

A SIX-VOLT AMPLIFIER

Operates entirely from auto battery

Current drain only 8 amperes

No “B” Battery

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

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

Constant Plate Voltage

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

High Gain Class “B” Circuit

Advanced design of circuit is responsible for unprecedented gain of 85 db. Six tubes are used: one type 36 as voltage amplifier, feeding one type 80 pentode driver, in turn working into four type 89s in Class “B” push-pull paralleled output, of 10 watts each, sufficient to cover large outdoor crowds. These tubes are extremely rugged and are made especially for rough automobile service.

Solves the portable problem

We recommend the use of a large single Razon unit with a triple connector for three horns. Connections are provided for quick connection of six-volt dynamic speaker field coils, and also for the local microphone current supply. One of the features of this amplifier is a voice coil impedance matching switch, controlled by a small knob on the front of the chassis. This enables the user of the amplifier to adjust the output most satisfactorily to the particular loud speaker or combination of speakers that he intends to use. Maximum output efficiency is thus maintained under all normal operating conditions.

Compact Construction

In designing the Six-Volt Amplifier Lafayette engineers have kept in mind the space limitations of portable amplifiers. The whole unit measures only 10¼” wide, 5¾” deep and 7¼” high, and is therefore easily mounted under the dashboard, on the running board, on a back seat or in the luggage compartment. This amplifier is unusually versatile and will find a wide variety of applications in portable work. Construction throughout is extremely rugged, and workmanship is of the best. Built to last!

Lafayette Portable Six-volt Public Address Outfit

A complete public address outfit using the new Lafayette Six-Volt Amplifier can easily be put in the back of a small car. With no heavy “B” batteries to carry around, and with the car’s regular battery furnishing all necessary energizing current, the apparatus is light and compact and can be set up in a few minutes. Maximum volume is available at all times, the output of the special Lafayette power unit being constant and independent of temperature or weather conditions. This is an important feature from the standpoint of portable use, as “B” batteries carried in a car are quickly affected by extremes of heat or cold and cannot be relied on.

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

P15768—Lafayette Six-Volt Portable Amplifier as described. List Price $330.00 Your Cost $59.50

P15758—Junior Dynamic speaker unit, with triple connector and three 3⅓ ft. long, 2⅛” diameter trumpets. Shipping weight 23 lbs.

Your Cost $89.50

M13420—Lafayette Double Button Microphone with desk stand, 9” in diameter top. Shipping weight 7 lbs. List Price $55.00. Your Cost $15.45

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

P15773—Microphone control box. Dimensions, 9” wide, 6¼” high, 5” deep. Shipping weight 5 lbs. List Price $15.00. Your Cost $8.50

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

Your Cost $169.45

P15772—Same as above but with Lafayette Double Button Hand Microphone.

Your Cost $164.45

P15767—Complete set of RCA or Cunningham tubes for above amplifier, consisting of 1-36, 5-89.

Your Cost $5.50
A High-Gain Amplifier for only

$9 75

Uses new type tubes
Works 3 or 4 Dynamics Speakers

Lafayette Quality and Workmanship Throughout

*Here is the biggest little amplifier ever brought out—at a price that defies competition. Measuring only 8½" wide, 6" deep and 6½" high, this latest addition to the famous Lafayette line is a completely self-contained two stage power amplifier capable of working three or four dynamic speakers to full capacity, and that means it has real "sock." Because of its small size, its low price and its remarkable efficiency, it will find many uses in public address work.

Latest Type Tubes
To show how up-to-the-minute this job is, we merely need mention that it uses the latest type tubes. There is a 57 capacity coupled to a 59, a combination that produces the extraordinarily high amplification of nearly 100 db. Output 3½ watts. Actually these two tubes do the work formerly done by four tubes! A type 83 mercury vapor rectifier, noted for its low internal resistance and small voltage drop, is employed as rectifier.

Lafayette Standards Followed
Don't get the idea from the price that this is a cheap amplifier. The Lafayette standards of good parts and careful workmanship have been met very strictly. All parts are of generous overseas proportions, and carry the usual Lafayette guarantee. All Lafayette amplifiers—this one included—are designed for continuous operation, so there can be no skimping. All-metal construction is used, with the whole unit neatly finished in durable lacquer.

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

Your Cost $9.75

P15791—Complete Amplifier with RCA or Arcturus tubes consisting of 1-57, 1-59, 1-83.
Your Cost $12.70

Push-Pull 3 Stage Amplifier

With new type 59 Tubes

only $14.95

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

Three Stage Circuit
A type 57 is capacity coupled to a 56, which in turn is transformer coupled to two 69s in push pull. The required plate current is supplied in humpless form by an 83 mercury vapor rectifier. The overall amplification is so great that special input connections to the second stage are provided for phonograph pick-up. If a pick-up is connected directly to the input of the first stage, the last stage will actually overload.

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

Oversize Parts
This husky amplifier is another credit to the skill of Lafayette engineers. Heavy, oversize power units and metal construction mean long and satisfactory life. Unit measures 12" square and 9½" high; doesn't take up much room, but how it does work! No wiring in sight; everything under the chassis. Supplied with and without output transformer.

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

Lafayette Microphone Control Box
Serves a dual purpose in the Control of Microphones. It varies the sensitivity and it prevents the continual re-filling of carbon granules due to breaking down from the heat generated on account of using a current beyond the rating of the Microphone. The Unit is equipped with a D.C. Milliammeter, and a variable control for these purposes. Enclosed in a metal case 6½" wide; 5¼" high and 6¼" deep, and finished in black. Shipping weight 6 lbs.
P15794—Your Cost $9.50

WHOLESALE RADIO SERVICE CO., INC.-100 SIXTH AVE., NEW YORK
The Lafayette Loftin-White 245 Push-Pull Amplifier, 1933 Model, is the result of several years of development. Previous models using the older tubes gave widespread satisfaction, and now Lafayette engineers, after months of experimenting, are pleased to announce the use of some of the newer, higher gain tubes.

**Clean Cut Circuit**

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

**Works Five Dynamics.**

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

**Rugged Construction**

Rugged construction throughout make this an outstanding amplifier.

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**Lafayette Loftin-White 250 Push-Pull**

The Lafayette Loftin-White 250 Push-Pull Amplifier has been designed to take full advantage of the unique Loftin-White principle and is recommended to those requiring greater power and coverage than that provided by the other units described on this page. Its stability of operation is amazing and trouble usually arising from unmatched 250 tubes is completely eliminated. More amplification is obtained than from any other amplifier using the same tube combination. Has enormous output of fifteen watts, capable of operating eleven full size dynamic speakers at high volume and will provide volume for 2000 people, making it ideal for use in small theatres, clubs, etc. The frequency characteristic taken between 30 and 8000 cycles is comparatively flat at the curve taken on the amplifier shows only 4 db. drop at 10 KC, a remarkable performance. The curve shows a gain of 58 db. at 400 cycles. Circuit consists of a type 87 feeding into the push-pull 80's, with two 81 half-wave rectifiers supplying high voltage for the plates. Output impedances 500 and 4000 ohms. This adapts it for line transmission work as well as high impedance speakers.

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

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**Lafayette Loftin-White "Little Giant"**

This big giant of Amplifiers will deliver more power, tube-for-tube and preserve a more uniform frequency response curve than any similar piece of apparatus on the market. Its frequency response between 30 and 8000 cycles has a variation of but 3 DBs. Gain at 400 cycles 64 DBs. Maximum undistorted output 3 to 4 watts (sufficient to operate 4 full size Dynamic Speakers or 10 Magnetic Speakers at their full capacities.) The necessary input for maximum output is 175 millivolts. Output impedance 4000 ohms and is directly from tube. Power consumption 40 watts at 115 volts 60 cycle. This amplifier developed in our own laboratory with the full cooperation and technical advice of Lafayette-White staff. Its filter circuit employs two 1000 volt Fleischheim and an Aerovox dry electrolytic condensers—units that insure long and trouble-free operation and perfect filtering. Special plus or minus 6% resistors are used in plate and grid circuit. Overdrive Power Transformer and Chokes, designed in conformity with highest R. M. A. standards. Pressed steel frame in attractive black crystaline finish. Tubes required, 1-57, 1-UX245 and 1-UX280. Size 6x8½. Ideal for those requiring a compact unit for ample coverage of indoor gatherings at 1000 or less persons. Suitable for microphone or phonograph reproduction. No output transformer included. Shipping weight 17 lbs. For 105-120 volt 50-60 cycle A C.

**Your Cost**

P15722—Complete amplifier with RCA or Arcturus tubes, consisting of 1-57, 2-50's, 2-81's.

**$52.75**

**Your Cost**


**$30.00**

**Your Cost**

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**Lafayette Loftin-White 245 Push-Pull**

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

**Clean Cut Circuit**

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

**Works Five Dynamics.**

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

**Rugged Construction**

Rugged construction throughout make this an outstanding amplifier.

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**Lafayette Loftin-White 250 Push-Pull**

The Lafayette Loftin-White 250 Push-Pull Amplifier has been designed to take full advantage of the unique Loftin-White principle and is recommended to those requiring greater power and coverage than that provided by the other units described on this page. Its stability of operation is amazing and trouble usually arising from unmatched 250 tubes is completely eliminated. More amplification is obtained than from any other amplifier using the same tube combination. Has enormous output of fifteen watts, capable of operating eleven full size dynamic speakers at high volume and will provide volume for 2000 people, making it ideal for use in small theatres, clubs, etc. The frequency characteristic taken between 30 and 8000 cycles is comparatively flat at the curve taken on the amplifier shows only 4 db. drop at 10 KC, a remarkable performance. The curve shows a gain of 58 db. at 400 cycles. Circuit consists of a type 87 feeding into the push-pull 80's, with two 81 half-wave rectifiers supplying high voltage for the plates. Output impedances 500 and 4000 ohms. This adapts it for line transmission work as well as high impedance speakers.

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

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**Lafayette Loftin-White "Little Giant"**

This big giant of Amplifiers will deliver more power, tube-for-tube and preserve a more uniform frequency response curve than any similar piece of apparatus on the market. Its frequency response between 30 and 8000 cycles has a variation of but 3 DBs. Gain at 400 cycles 64 DBs. Maximum undistorted output 3 to 4 watts (sufficient to operate 4 full size Dynamic Speakers or 10 Magnetic Speakers at their full capacities.) The necessary input for maximum output is 175 millivolts. Output impedance 4000 ohms and is directly from tube. Power consumption 40 watts at 115 volts 60 cycle. This amplifier developed in our own laboratory with the full cooperation and technical advice of Lafayette-White staff. Its filter circuit employs two 1000 volt Fleischheim and an Aerovox dry electrolytic condensers—units that insure long and trouble-free operation and perfect filtering. Special plus or minus 6% resistors are used in plate and grid circuit. Overdrive Power Transformer and Chokes, designed in conformity with highest R. M. A. standards. Pressed steel frame in attractive black crystaline finish. Tubes required, 1-57, 1-UX245 and 1-UX280. Size 6x8½. Ideal for those requiring a compact unit for ample coverage of indoor gatherings at 1000 or less persons. Suitable for microphone or phonograph reproduction. No output transformer included. Shipping weight 17 lbs. For 105-120 volt 50-60 cycle A C.

**Your Cost**


**$19.75**

**Your Cost**

P15724—Complete amplifier with set of RCA or Arcturus tubes, consisting of 1-57, 2-45's, 1-83's.

**$22.70**

**Your Cost**

P15721—Lafayette Loftin-White 245 Push-Pull Amplifier with output Transformer to 5-15 ohm voice coil, and 500 ohm line.

List Price.

**$50.00**

**Your Cost**


**$45.00**

**Your Cost**

P15728—Complete set of amplifier with RCA tubes, consisting of 1-57, 1-46, 1-60. List Price.

**$34.00**

**Your Cost**

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**Lafayette Loftin-White 250 Push-Pull**

The Lafayette Loftin-White 250 Push-Pull Amplifier has been designed to take full advantage of the unique Loftin-White principle and is recommended to those requiring greater power and coverage than that provided by the other units described on this page. Its stability of operation is amazing and trouble usually arising from unmatched 250 tubes is completely eliminated. More amplification is obtained than from any other amplifier using the same tube combination. Has enormous output of fifteen watts, capable of operating eleven full size dynamic speakers at high volume and will provide volume for 2000 people, making it ideal for use in small theatres, clubs, etc. The frequency characteristic taken between 30 and 8000 cycles is comparatively flat at the curve taken on the amplifier shows only 4 db. drop at 10 KC, a remarkable performance. The curve shows a gain of 58 db. at 400 cycles. Circuit consists of a type 87 feeding into the push-pull 80's, with two 81 half-wave rectifiers supplying high voltage for the plates. Output impedances 500 and 4000 ohms. This adapts it for line transmission work as well as high impedance speakers.

**Perfect Merchandise - Prompt Shipment - Personal Service**
Lafayette 250 Public Address System

Everything needed for a powerful public address system capable of covering as many as 3000 people is included in this outfit, which is ideal for auditoriums, race tracks, dance halls, and many other public places. The main unit in the Deluxe Lafayette 250 Push-Pull Amplifier, which has an output of 15 watts undistorted power. The perfect clarity and uniform response of this high grade instrument is a delight to the ear. This amplifier, like all the other amplifiers in the Lafayette line, is designed for continuous operation and hard service. Once installed, it requires practically no attention and may be operated by inexperienced persons. It is a Lafayette custom-made product. The whole outfit consists of the following: 1 Deluxe Lafayette 250 Push-Pull Amplifier, completely assembled and wired; 1 Lafayette model 60 double button microphone, with DeLuxe adjustable floor stand and 25 ft. connecting cable; 1 Microphone pre-amplifier and control box, one special matching transformer; and 3 RCA 106 type dynamic speakers, A. C. operated, complete with RCA tubes. Shipping weight 200 lbs.

Price: $129.50
Your Cost: $129.50

Lafayette Inter-office System

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

Price: $42.50
Your Cost: $42.50

Price: $44.50
Your Cost: $44.50

Price: $49.25
Your Cost: $49.25

Price: $52.00
Your Cost: $52.00

Price: $7.50
Your Cost: $7.50

Lafayette D. C. Amplifier

Listen, you long suffering residents of D. C. districts: Lafayette engineers have just finished a D. C. amplifier that is a knockout. No more weak results or wasted current! The new Lafayette D. C. amplifier has an output of 5 watts, and works five or six dynamic speakers with all the "punch" that has been possible to date only with A. C. amplifiers. The new type 48 (30 volt filament) tubes help do the trick. Three stages of amplification are used: a type 36 capacity coupled to a 37, this in turn feeding two 46s in push-pull. The overall gain is 90 db. This is the first D. C. amplifier that has honest-to-goodness "wallop" and we recommend it very highly. Absence of wasteful line resistors makes this amplifier extremely economical and eliminates the hazard of fire. Output impedances of 5, 15 and 600 ohms are available for loud speaker matching. This is a regular Lafayette product, built to our usual high specifications. All metal construction; chassis measures 12½" long, 8½" deep and 8½" high.

Price: $19.50
Your Cost: $19.50

Price: $25.75
Your Cost: $25.75

Lafayette Hearing Aid

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

1. Lafayette Loitin-White 245 Push-Pull Amplifier, Pre-Amplifier Control box, Lafayette M13421 Double Button Microphone with desk stand and 12 ft. cord.
2. RCA Photophone speakers, with individual field excitors in place of 106's.
3. Microphone pre-amplifier and control box, one special matching transformer, and 3 RCA 106 type dynamic speakers, A. C. operated, complete with RCA tubes. Shipping weight 200 lbs.

Price: $54.50
Your Cost: $54.50

Price: $56.50
Your Cost: $56.50

Price: $3.75
Your Cost: $3.75

Price: $3.00
Your Cost: $3.00

Price: $5.00
Your Cost: $5.00

WHOLESALE RADIO SERVICE CO., INC. - 100 SIXTH AVENUE, NEW YORK
Lafayette Dual Speaker

Portable Public Address System

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

Ingenious Construction

Almost every cubic inch of space in the strong carrying case, measuring 15" square by 10" deep, is utilized. The two sides come off, and the net as baffles of two dynamic speakers mounted in them. These sides are equipped with folding feet that keep them upright when they are placed on a stage, lecture platform, show case, etc. Inside the case is a special amplifier using a type 67 tube capacity coupled to a type 59 with an 83 supplying plate current. The output of 3.5 watts is enough to work the speakers to capacity. Just plug the line cord into any A.C. outlet, and the outfit is ready to operate.

A sensitive two-button hand microphone fits securely in a strong clip. Microphone current is furnished by dry cells in a box next to the amplifier. A gain control on the side of the case permits smooth and quiet adjustment of the volume from a whisper to a roar. The person at the "mike" can talk in a very quiet tone and still have his words come out of the speakers like thunder.

High Efficiency Attained

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

Lafayette Heavy Duty 50-Watt Power Amplifier

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

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

We Will Not Knowingly Be Undersold

$105.84
its band-pass selector there is practically a complete elimination of hum and rumble. This Tuner was designed to meet the demand for an ideal radio pick-up for theatres, hotels, clubs and public address systems, as well as for household use. While it was designed for use with the LaFayette Power Amplifier, \(\text{Booth}\), it will give excellent performance with any good power amplifier. High sensitivity—With its four tuned circuits with approximately 10 K. C. selectivity, and band suppression, making possible the very finest tone quality, especially when used in conjunction with the LaFayette Power Amplifier. The new 88 type tubes used in the two radio frequency stages handle the usual signal voltages without cross-modulation and modulation-distortion, and give a wide range to the sensitivity control without affecting the tone quality or selectivity. Freedom from oscillation. Elimination of tube hiss and other background noises. Thorough shielding. The detector circuit is such that the Tuner may be hooked up with any standard audio input, by connecting one lead to the grid of the first audio tube of any amplifier, type. The circuits are not designed for use with the backrest, and must be provided with a low voltage. Tuner has its own filament supply, and requires 180 to 250 volt "B" supply. Tuner will carry up to \(1\,000\) ohms. Shipping weight \(12\) lbs.

N1845.—Complete, less tubes.
Your Cost. 
\$16.95
Same equipment as above, complete with tubes.
Your Cost. 
\$19.40

Kenyon Class B Amplifier Kit
25 Watts Output

Here is an all purpose Class "B" amplifier, has sufficient gain for use with a microphone, electric pick-up or a recording device. Has excellent tone quality over the entire frequency range. The output is greater than 20 watts, and is suitable for recording laboratories, public address engineers, and experimental laboratories will welcome the universal features of this amplifier. The input transformer is designed for low impendence dynamic microphone, a 50-ohm line or a 200-500-ohm double button carbon microphone. The windings on the transformer are arranged for the 500-ohm line, and have additional windings for the 200-ohm line. The tubes used in this amplifier are 1A-4A, impedanced coupled through a 200 henry choke to a single grid, used as a driver to drive two 150-ohm transformers, in the output stage. An 82 type of Carbon Rectifier is used in the output stage. The secondary of the output transformer has a 500-ohm winding and a 15-ohm winding. The 500-ohm winding elimination of voice coil and the 15-ohm winding will carry up to 4 voice coils in series parallel.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Descriptive Part No.</th>
<th>Shown on Diagram</th>
<th>Description</th>
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<tbody>
<tr>
<td>BLG</td>
<td>Universal Input Transformer</td>
<td>43.30</td>
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<tr>
<td>BC1200</td>
<td>500-ohm Transformer</td>
<td>250 Henry</td>
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<td>B611</td>
<td>Class &quot;B&quot; Driver Transformer</td>
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<tr>
<td>B460</td>
<td>Class &quot;B&quot; Output Transformer</td>
<td>3.60</td>
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<tr>
<td>B46PT</td>
<td>&quot;B&quot; Power and Filament Transformer</td>
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<td>P15850</td>
<td>1140 volts C. T. at 150 milliamps. 124 volts at 3 amps. 3.6 volts at 3 amps. C. T.</td>
<td>2.4 volts at 100 milliamps. 6.00 volts at 3 amps. C. T.</td>
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<tr>
<td>BC100</td>
<td>10 henry Swinging Class &quot;B&quot; Choke</td>
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<td>BC150</td>
<td>10 henry Swinging Class &quot;B&quot; Choke</td>
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Special price for complete parts as listed above with Metal Chassis. Shipping weight 35 lbs.
Your Cost. 
\$24.00

Complete set of Condensers, Resistors, etc., for Amplifier. Shipping weight 1 lbs.
P15851
Your Cost. 
\$12.95
Amplifier with all parts, completely wired, ready for operation on 110 volts, 60-cycle A. C. Shipping weight 40 lbs.
P15852
Your Cost (less tubes). 
\$45.75

WHOLESALE RADIO SERVICE CO. INC.- 100 Sixth Ave. New York.

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<tr>
<th>Part No.</th>
<th>Stock No.</th>
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<td>4 Cutter</td>
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<tr>
<td>P15877</td>
<td>15 ohms</td>
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<tr>
<td>P15878</td>
<td>500 ohms</td>
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<tr>
<td>P15879</td>
<td>4000 ohms</td>
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</tbody>
</table>

Complete Cutting Mechanism

Your Cost. 
$18.95

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

It is the most practical Semi-Professional Recording Device for all types of recording on aluminum or paper. It is possible to record very fine reproductions of radio programs, home entertainment, transcription programs, and complete recording of records, etc. Any one can install this Recorder In a few minutes, only a single "B" hole is required to mount it. Attach it to your present amplifier, providing it has a motor of sufficient power and of constant speed for this purpose. When ready to record, press the lifting lever to the down position, you are now ready to start actual recording. The special design of this Recorder allows full size record recordings, the same length of playing time as had on the standard phonograph records. The Recorder may be operated at 78 or 331/2 R.P.M. It is solely designed to be used in conjunction with a Microphone and Power Amplifier, volume is regulated according to the requirements of the individual person. The recordings are made on a specially prepared aluminum disc, which can be replayed on any standard phonograph, electric or spring motor driven. When using a high quality Microphone and Power Amplifier, the Trutest Recorder makes records that are outstanding in quality and are comparable to standard transcription recordings. This Recorder is being used by broadcast engineers, service laboratories, and dancing studios. Especially recommended to the service man for making extra money, by recording advertising talks by local merchants and then reproducing through a public address system to sell the item in question instantly. Records are practically free from needle scratch and background noise. In recording, no unusual volume is necessary. The amplifier can be of small output if necessary, volume can be of normal room level. A special cutting needle is suggested for quality recordings. These needles are used for reproduction.

Complete Cutting Mechanism

Your Cost. 
$39.50

Turntable Recording Head, Motor and Playback Pick-up

The most reasonably priced, complete recording and reproducing equipment of its kind, the Trutest Recorder, is the culmination of years of research and development, a powerful motor of 78 R.P.M., of constant speed. Mounted on a panel, together with a high impedance playback pick-up. This unit is especially simple to operate where the present turntable motor is not sufficient for recording. Only the highest grade of material and workmanship is used throughout. Shipping weight 7 lbs.

P15875
Your Cost. 
$19.75

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

Specially Designed Amplifier for Recording Purposes

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

P15876
Priced at. 
$19.75

www.americanradiohistory.com
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 making too detailed information may be found easily and quickly. Many features not found in the previous editions are included. Free Question and Answer Service, which was so popular in previous editions will be maintained. Contains operating notes, actual pictorial views of standard receivers and much information on short-wave and automobile radio. An entire section of money making suggestions for the Service Man. Over 2,000 illustrations, 700 pages; size 9 x 12; Flexible Leatherette Cover. List $5.00. Your Cost Each $4.00

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

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New Edition. Completely revised. This valuable encyclopedia, written in easy language that even an ordinary layman can understand, contains within its covers information, on radio and all its allied lines, that no radio-minded individual or serviceman can afford to be without. Gives all practical data on Radio transmitting and receiving, Sound Production, Public Address, Television, Photo-electric cells, etc. 1048 pages, 500 complete articles, 1,100 additional definitions and references, 130 tables and graphs. All in alphabetical order and simply treated. Contains over 2,500 Superheterodynes, Short Wave Receivers and Converters and Aviation Radio. Sell indexed to make every fact easy to find. Size 9x15 1/2x15 1/4. Flexible black fabrikoid. Shipping weight 8 lbs.

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Three volumes by Moyer and Wostrel covering every phase of radio. Uniformly bound in green buckram. They present the principles of radio so simply and clearly that anyone 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 7x4 3/4x1 1/4. Shipping weight 2 lbs.

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Clearly explains the construction of Vacuum tubes, special industrial applications of vacuum tubes specifications for vacuum tubes. 297 pages. Shipping weight 2 lbs.

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Explains the construction and repairing of radio receivers, Terminals and Trouble shooting. 386 pages. Shipping weight 2 lbs.

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The Manual of Ultra Short Wave Radio

Contains the history of Ultra-W., Development, articles about the Generation, Radiation and measurement of Ultra Short Waves. 446 pages and 120 illustrations.

Your Cost Each $50

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Learning the code, the converter handbook, tuned t. r. receivers and size 7x4 3/4x1 1/4. Shipping weight 2 lbs.

Y19945 — Each $2.45

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A perpetual loose-leaf guide kept constantly up to date by ever increasing information. Contains over 1,000 receivers. Pocket size 5x8. Flexible black fabricoid covers.

Your Cost Each $1.00

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Servicing an electrical equipment is absurdly simple once you know the "hang" of it. This Refrigeration Service Manual covers every part that is carelessly maintained. Diagrams are furnished of every known machine special care given to the servicing end. The tools needed are illustrated and explained; there are trouble shooting charts, and other practical material. OVER 1,500 DIAGRAMS; 450 pages; 9x12; flexible looseleaf media. $5.00. Your Cost Each $4.00

Y19904

Servicing Superheterodynes

Do you know all you should to enable you to service superheterodynes at a profit? Are you familiar with all the superheterodyne circuits? Do you know the function of the individual parts of a standard superheterodyne receiver—what each button does? Can you adjust the Attwater-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 about superhet receivers. This book is a Best Seller. 10,000 copies have sold up to date by supplementary service provided by Publisher, at nominal cost. Size 8 1/2 x 11. Durably bound in blue fabricoid. Shipping weight 8 lbs.

Each $5.00

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The Serviceman's "Almanac"

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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 modern superheterodyne 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, Room Amplifiers, Eliminators and Power Units. Loose-leaf style; may be kept up to date by supplementary service.

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The Serviceman's "Almanac"

Rider's Manual No. 3

2,000 pages of valuable information for Service Men, Experimenters and Set Builders. Over 3,000 diagrams and charts. The most complete and authoritative volume on Radio ever published.

A complete guide to the servicing of practically every modern superheterodyne 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, Room Amplifiers, Eliminators and Power Units. Loose-leaf style; may be kept up to date by supplementary service.

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Three books are all new and up to date; written by men who are authorities on the subject. The volumes are all uniform size 6x9, and contain 50 to 120 illustrations.

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Y19927 — The Superhet Book.

Y19926 — Modern Radio Hook-ups.

Y19925 — How to Become a Serviceman.

Y19924 — Bringing Electric Sets Up-to-Date.

Y19923 — Radio Kinks and Wrinkles.

Y19922 — Radio Questions and Answers.

Y19921 — Auto Radio and Servicing.

Y19920 — Home Recording and Music About It.

Y19919 — How to Build and Operate Short Wave Receivers.

Y19918 — Elementary Mathemetics for the Technician & Service Man.

Y19917 — Fundamental Principles of the receiver circuit diagrams and much useful information covering over 1,000 receivers. Pocket size 5x8. Flexible black fabricoid covers.

Y19916 — Your Cost Each $39

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

This Comet "Pro" Receiver is as simple to handle as a "43 power output" type of oscillator. This major change, plus a number of minor refinements, result in improved selectivity, even greater sensitivity and portability under all conditions of operation. The Pentode output tube is now used in a special circuit to provide harmless reception at either loud sound volume, or on headphones. An attractive metal cabinet of improved design is now standard equipment. This Cabinet effectively shields the entire receiver and provides the ventilation necessary for cool and efficient operation. The old type Walnut Cabinet will continue to be available as optional equipment at no additional cost. The new "Pro" retains all of the original features that made the Receiver popular, while adding a number of improvements.

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

**Service Men**

**Set Builders**

**Build the Universal A. C.—D. C. Lafayette "Pal" Portable with Dynamic Speaker**

For Yourself For Customers For Friends

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

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

First, it uses the newest and most powerful type tubes that could be employed, such as the latest type small envelope '43 power output pentode, as well as the 25-2-5 Rectifier; the "43 with an amplification factor far in excess of anything yet developed in this type tube, the rectifier a new voltage doubler, doubling the input voltage, and eliminating power transformer entirely.

Then the circuit, simple but most effective and designed to obtain the maximum from every tube and part used in the set. Lastly the parts, chosen for their quality, compactness, adaptability and efficiency. Simplicity has been the keynote throughout so much so that even a novice should be able to complete the assembly and wiring of the set in a very short time.

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

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

All parts for the Lafayette "Pal" are included in a complete Kit which contains resistors, condensers, coils, sockets, etc., and also a special metal chassis, tubes, and matched dynamic Speaker. In addition complete instructions and diagram are provided with each Kit, so that successful operation of the "Pal" is pre-assured.

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

Shipping weight 9 lbs.

**Your Cost**

N13835—Complete Kit Lafayette "Pal" Portable. Includes all parts, drilled chassis, matched dynamic speaker, matched set of tubes, instructions and diagram.

$11.95

N13841—Lafayette "Pal" Kit with Speaker less tubes or $9.75

Cabinet. Your Cost.

N13842—Special Metal Cabinet of artistic design.

$1.50

N13843—Special leatherette carrying case.

95¢

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

If purchased separately Your Cost

25¢

**Wholesale Radio Service Co., Inc.—100 Sixth Ave. New York.**

That the "Pro" is a remarkable and unusually efficient receiver is perhaps best attested by the character of its users. To enable you to judge the "pro" on this basis the following partial list of prominent users is provided: Bell Telephone Laboratories, International Tel. & Tel. Co., National Broadcasting Co., Columbia Broadcasting System, American Radio News Service, American Airways, Eastern Air Transport Co., Northwest Airways, Transcontinental and Western Air, Inc., Canadian Signal Department, Naval Research Laboratory, Marine Signal Corps, War Department Message Center, Naval Observatory and others of equal prominence. Although designed for communications, air-port, broadcasting, police and other equally important services, the "Pro" is so easy to tune that even the novice can readily tune in stations from over the entire world for his entertainment.

Operators of amateur stations, especially phone stations, praise the receiver highly for its ultra-selectivity, low noise level and its efficient band-sweeping tuning system. Shipping weight 51 lbs. The "Pro" for A. C. 110 volt 60 cycle operation.

N13833—"Pro" Receiver, less tubes. List $150.00

Your Cost

$88.00

N13835—"Pro" Receiver, with tubes. List $162.55

Your Cost

$95.00

N13836—"Pro" Chassis, less tubes. List $135.00

Your Cost

$79.38

N13837—"Pro" Receiver, less tubes. List $120.00

Your Cost

$70.50

N13838—"Pro" Receiver, with tubes. List $138.60

Your Cost

$81.50

**For Yourself**

**For Customers**

**For Friends**

For Yourself For Customers For Friends

**WHOLESALE RADIO SERVICE CO., INC.—100 SIXTH AVE., NEW YORK.**

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

A. C. SW-58

Complete set of parts for 5 tube A. C. 6B Short-Wave Receiver using two type 58 Variable-Mu Pentodes in R. F. and Detector, type 56 (or 227) first audio and two type 245 output tubes for 110 volts, 60 cycle A. C.

N13850 - List less tubes and power supply $20.50 Your Cost Each $46.75

National 3 Tube Thrill Box

The sensitivity of the SW-5 is so great that the push-pull stage is seldom, if ever, used when the receiver is being employed in amateur communication work. Same circuit, and all other essential features, as the famous SW-5, except for a more compact unit 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 audiometer.

A. C. Model—Uses 2-58s and 1-27.

N13537 - List $35.50

Your Cost $20.88

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

N13818 - List $55.00

Your Cost $32.34

Complete with 3 sets band spread, coils.

N13820 - List $55.00

Your Cost $32.34

New National—5-Meter Receiver

Complete set of parts for newly designed receiver covering range 354 to 715 meters. Coils also furnished for use in amateur 20 and 30 meter phone bands. Receivers enable S. W. transmissions now on the air, including television programs, experimental aeronautical communications and S. W. transmissions. Designed for push-pull Pentode power output for loud-speaker operation. Made ready to install completely.

N13816 - List $89.50 (less power supply)

Your Cost Special $52.65

Your Cost $23.23

National “AGS” Communication Type S-W Receiver

The National “AGS” is a professional type Short Wave Receiver developed by National Engineers in conjunction with the Airways Division of the U. S. Department of Commerce and is guaranteed to provide the finest possible type of receiving equipment. Extremely high sensitivity and selectivity, combined with easy operation, rigid construction to maintain frequency calibration and dependability of performance are outstanding features. Nine tubes are used (4-236a, 4-237a, and 1-238) in a cover-baffle unit 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 audiometer.

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. Use 227 style power transformer.

N13851 - As above completely wired and tested.

Your Cost Each $52.63

National Power Units

For A. C. S-W Reception

N13810-5800-AB—Completely wired power supply for use with the ACSW-45 and 58 Thrill Box using the ‘45 tubes in the output stage on 105-150 V. C. D. C. 65-60 cycle current supply. Less tube.

List $39.50

Your Cost $23.22

N13812-5580-AB-S220—Completely wired power supply for use with the ACSW-45 and 58 Thrill Box using the ‘45 tubes in the output stage on 220-230 volt, 50-60 cycle current supply. Less tubes.

List $39.50. Your Cost $23.22

National “58C” Communication Type S-W Receiver

The popularity of the National Model SW-58 Short Wave receiver and the growing demand for rack panel types has 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 246s as final audio stage. It is also available for 284, 290 and 231 tubes for air cell battery operation. A set of four coils which plug in on front panel and the fullness of the major frequencies between 150 kilocycles and 2 megacycles while special coils are available for extensive work. Complete with 3 sets band spread, coils.

N13855—Completely wired and laboratory-tested with tubes to cover 2.6 to 22 M. C.

Net Price ($16.50 less tubes) $83.30

National Ultrasound High Frequency Converter

Designed primarily for use in the 56-60 M. C. 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-watt D. C. or 2½ volt A. C. tubes. The combination of these points results in a unit of unusual sensitivity and flexibility. Dimensions in cabinet, 1x10x7”. Tubes, 2-224 2-236, 1-227 or 1-237.

N13861—Type HFC-58 Converter. Complete set of parts in Metal Coated or tube.

List $39.50

Your Cost $23.22

We Will Not Knowingly Be Undersold
**Magnavox Dynamic Speakers**

Magnavox, Leaders in the Radio Reproducer field since 1931, have put to practical use in its twenty-two years of leadership, into every speaker and part manufactured. All were developed for maximum performance and fine sound quality. In fact, all were designed with finest tonal response throughout the entire range—Newest models are more compact. A complete series is available for all purposes. Some included in the latest models—"Midget" consoles, and for auto use in both battery and eliminator type sets, as well as a line of powerful models for power amplifiers, and high fidelity systems.

Magnavox quality assures you of long life and trouble free performance.

**Model 150**

An ideal choice for Midget type receivers; a compact, powerful reproducer. The tone is pure, true and natural. Response uniform throughout the audio range. Has a 2500 ohm field. Cone dia. 6"; depth 4".

W19325—For single or push-pull 45s.
W19326—For single 47s.
No. 150-X. This model is the same as above, but has an 1800 ohm field, tapped at 300 ohms.
W19328—For single 47s.

Your Cost Either Type... $4.40

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**Model 152**

This speaker constructed of the finest grade materials, has an excellent response over the entire audio range with pleasing characteristics. Cone dia. 10"; depth 6½"; Has a 2500 ohm field. Carries 10 watts without distortion. Shipping weight 10 lbs.

W19333—For single or P-P 45s.
W19334—For single 47s.
W19335—For P-P 47s.

List $10.50 (either type)

Your Cost Either Type... $6.18

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**Magnavox Permanent Magnet Dynamic Speaker**

This dynamic speaker was designed as a replacement for magnetic, as well as nonmagnetic dynamic reproducing. It has been designed to meet the demand for an extra small speaker, especially desired in compact sized "Midget" Radio Receivers. Has volume, tone and reproduction to meet the most exacting demands. With 2500 ohm field.

Cone dia. 5". Shipping weight 6 lbs.

W19334—For single 45s.
W19345—For single 47s.

List either type $5.00

Your Cost Each... $2.94

---

**RCA Photophone Dynamic Speaker**

Designed for use in Western Electric Sound Installations, Theatre Sound Systems, Auditoriums and Dance Studios. One of the most powerful reproducers ever built. Nothing better for public address use. A monster in size and output. It will handle an undistorted output of 15 watts. The field resistance is 1000 ohms. Voice coil impedance 8 ohms. For our large public address systems it is highly recommended and have included in the complete systems this photophone speaker. This speaker mounted on the special baffle board will reproduce faithfully both voice and musical programs with fine fidelity of tone. Overall diameter is 15". Shipping weight 110 lbs. For D. C. field supply.

W19323—For output of 71As and 45s.
W19324—For output of 38s.

List $22.50

Your Cost Each... $7.35

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**Voter Replacement Speaker**

This dynamic speaker, manufactured by Magnavox, is designed expressively for the Victor R-50, RE-45, R-62, RE-75 and other models of this type. Has the same individual characteristics, including height and depth, diameter of cone; cord and plug; field; etc. Scientifically designed for maximum volume, with full rich tone. Response uniform over the complete musical range, with fidelity of reproduction. Only the highest grade of material and workmanship used; the finest grade of wire, machine wound, insuring uniformity in its coils; Cone is a superior special milled parchment, centered accurately, eliminating chatter. Ruggedly constructed. Ideal as a replacement anywhere, a 3000 ohm field speaker is required. Overall size 9½" high; 9" wide; 6½" deep. Shipping weight 12 lbs.

W19391—List $20.00

Your Cost Each... $4.75

---

**Voter Replacement 5" Dynamic Speaker**

This "Midget" dynamic speaker, only 5" overall, has a practically flat response, with good reproduction. Input transformer supplied to match any standard power tube. Supplied with 2500 ohms. In two models 2½" and 3¼" deep. Shipping weight 2 lbs.

W19393—For P-P 71s and P-P 46s.
W19394—For single 47s.

List $6.00

Your Cost... $2.45

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**Spartron Replacement Speaker**

This brand new Spartron Replacement Dynamic Speaker, is a marked improvement over the old models used in the Spartron Receivers. It was carefully designed for maximum volume, and has a life-like sparkling tone, rich in its fullness and depth, without being overshadowed. The reproduction of orchestral music is amazing in its definition. The chassis is of heavy gauge metal, rigidly supporting the cone, which is of the best grade parchment. The chassis is equipped with the finest milled parchment, tanned leather, and is accurately centered. Has a field coil of 5000 ohms, making it a desirable speaker for Lincoln White Amplifiers and supplied to match any of the standard power tubes. 2½" deep. Shipping weight 2 lbs.

W19389—For P-P 71s and P-P 46s.

List $15.00

Your Cost... $2.95

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**Wholesale Radio Service Co., Inc.**

Atlantic City, N. J.
Jensen Auditorium, Jr.

Model D-8-G is the latest addition to the Jensen line. It is used as a monitor in theatres, or recording studio play-backs. Excellent uniformity of response. A.C. unit employs a high voltage rectifier system. Input transformer supplied for operation with type 50 or smaller type tubes. Posts are arranged so tubes connected in push-pull parallel or singly, be properly connected. 111/8" high; 111/4" wide; 71/4" deep. Shipping weight 21 lb.

D. C. MODEL

W19235—P-P 45s or 50s. W19236—P-P 47s.
List $50.00 $21.58 $13.20

Cost

Model D-15 A. C. of standard design is model for 110 volts A.C. 60 cycle power supply, and transformer suitable for push-pull 45s, 47s or single tubes. Shipping weight 16½ lb. Overall size 9½" x 4½" deep. Shipping weight 12 lb.

W19239—For P-P 47s. W19242—For P-P 47s. List $52.00 $11.76

Cost

Jensen Concert Model

This new Concert Model is available in four types, and was designed for the latest model radio receiving sets. Their rugged construction and high efficiency make them capable of handling high inputs with remarkably natural reproduction and tone. Their performance is usually equal if not superior to much higher priced models. Equipped with Jensen Type-Micon Cone which can be readily removed without disassembling the entire speaker. Cone has the special centering device. The response is unusually uniform throughout. Cone is capably supplemented by a proper cone and a proper cone may also be had with any desired cone for particular operating requirements. All these types for D.C. operation, include a 2600 ohm field coil, the highest grade wire, machine wound, and are furnished with 18" cord. Furnished in brown finish.

Model K-2

Overall diameter 6". Shipping weight 7 lb.

W19235—Single or P-P 45s. W19234—Single or P-P 47s.
List $10.50 $5.00 $4.40

Your Cost

Model K-1

Overall diameter 5". Shipping weight 6 lb.

W19236—Single or P-P 45s. W19232—Single or P-P 47s.
List $9.50 $5.58 $2.94

Your Cost

Jensen Permanent Magnet Speaker

A high grade Dynamic Speaker, scientifically constructed of the finest materials, requiring no field excitation. Designed and developed for use in battery receivers, auto sets, where A.C. or D.C. current is not available. Where magnetic speakers are used, the tone is thin and flat, it will be required for the reasons for Dynamic Speaker reproduction. A uniform round off upper end and an extremely rapid rise or fall can be supplied. A properly connected speaker is not supplied by the manufacturer, and does not diminish in strength. Is 9½" high, 9" wide; 5½" deep. Shipping weight 11½ lb.

W19234PM1—For 45s. W19249—For 36s or 47s.
List $54.00 $26.45

Your Cost

Jensen Permanant Magnet Speaker Models are equipped with input transformers and can be furnished to match all standard impedances.

Wright DeCoster Speakers

With its operating flux of 145,000 magnetic lines in the air gap extreme sensitivity without distortion is assured. On low bass these units handle well and can be used in circuits without any artifice or distortion. Amplifiers having an undistorted output of 25 watts without developing any rattle or showing signs of breaking down. No linear reproductor has ever been designed for public address work than the famous Wright DeCoster. Shipping weight 45 lbs. each. Dimensions 12½ wide, 9¼ deep, 12½ high. Model 207: For 110 volt, 25-50-60 cycle A.C., with output transformer.

W19300—List $72.50
Your Cost

Model 208: Same as Model 207 except without output transformer.

W19305—List $68.50
Your Cost

Cost

Model 208X: For 110 volt D.C., 750 ohm field. With output transformer.

W19301—List $52.00
Your Cost

Model 209: For 110 volt D.C., 750 ohm field. No output transformer.

W19106
Your Cost

Cost

Model 210X: (10 cone). For 110 volt D.C. 750 ohm field.

W19304—List $44.80
Your Cost

Cost


W19303—List $34.00. Your Cost $29.40


W19308—List $50.00. Your Cost $29.40

Wright DeCoster Speakers Model No. 225

A small speaker which is exceptionally efficient on both the highs and the lows. Servicemen anxious to please their customers will find the Model 225 an impression substituting this Midget Speaker for any small speaker which is not giving perfect satisfaction. This new model is suitable for installations in all sound and reproducing instruments used in indoor installations. Has a standard field resistance of 2500 ohms and output transformer to match impedances listed below. Cone diameter 3¾". Overall size 15½ x 8¾" for 110 volts D.C. Shipping weight 14½ lb. W19218—For single P-P 45s. W19214—For single P-P 47s.
List $6.90 $5.10

Your Cost

Congratulations! You are the owner of a 1921 Model 225 Midget Speaker. A small speaker which is exceptionally efficient on both the highs and the lows. Servicemen anxious to please their customers will find the Model 225 an impression substituting this Midget Speaker for any small speaker which is not giving perfect satisfaction. This new model is suitable for installations in all sound and reproducing instruments used in indoor installations. Has a standard field resistance of 2500 ohms and output transformer to match impedances listed below. Cone diameter 3¾". Overall size 15½ x 8¾" for 110 volts D.C. Shipping weight 14½ lb. W19218—For single P-P 45s. W19214—For single P-P 47s.
List $6.90 $5.10

Your Cost

Wright DeCoster "Midget"

Made especially for high quality instruments, and in consistent with Wright DeCoster high standards. The "Midget" Speaker has a remarkable volume, full, rich, and natural, without distortion. Available in standard design, and may be had with any desired cone for particular operating requirements. All these types for D.C. operation, include a 2600 ohm field coil, the highest grade wire, machine wound, and are furnished with 18" cord. Furnished in brown finish.

Model K-2

Overall diameter 6". Shipping weight 7 lb.

W19235—Single or P-P 45s. W19234—Single or P-P 47s.
List $10.50 $5.00 $4.40

Your Cost

Model K-1

Overall diameter 5". Shipping weight 6 lb.

W19236—Single or P-P 45s. W19232—Single or P-P 47s.
List $9.50 $5.58 $2.94

Your Cost

Wright DeCoster "Midget" Speaker. A small speaker which is exceptionally efficient on both the highs and the lows. Servicemen anxious to please their customers will find the Model 225 an impression substituting this Midget Speaker for any small speaker which is not giving perfect satisfaction. This new model is suitable for installations in all sound and reproducing instruments used in indoor installations. Has a standard field resistance of 2500 ohms and output transformer to match impedances listed below. Cone diameter 3¾". Overall size 15½ x 8¾" for 110 volts D.C. Shipping weight 14½ lb. W19218—For single P-P 45s. W19214—For single P-P 47s.
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List $6.90 $5.10

Your Cost

Lafayette, Wright DeCoster, Magnavox and Jensen speakers can be supplied with special phantom additional cost. Input Transformers other than those supplied can be had at an 10% additional cost. These are specials and delivery will be slightly delayed.
R.C.A. Victor
Radio Speaker

Consists of an Electro Magnet Speaker Chassis, selected for this Unit, mounted on a Walnut Finish Panel, which is 13½" high; 11⅝ wide and 13⅝ deep. Has a brown metal cover over grille, backed with Bronze Cloth Speaker is enclosed in heavy fibre protective covering. Cone diameter 9"; depth 5½". Has a special tone filter, a special tapped impedance transformer, and selector switch. Controls for transformer and selector are mounted in the lower corners of the front panel. Can be used wherever a high quality Magnetic Speaker is desired. Excellent response to high and low frequencies without stress, and with full natural reproduction; with plenty of volume. Shipping weight 10 lbs.

Your Cost $4.95

W19117—Your Cost Less Tubes

R.C.A. 100-A
Magnetic Chassis

This is the famous 100-A Magnetic Speaker Chassis, housed in a strong protective Fibre Casing, faced with an Ornamental Grill; finished in Brown. This Speaker Unit, one of the most popular of its type, consists of the Cone, Frame, Magnet, Motor Mechanism and Filter Unit. The method of mounting the complete unit provides easy access to the different parts. The simple and rugged design of this Loudspeaker makes it practically trouble-proof, and permits easy and simple adjustments if at all necessary. Acoustically this speaker gives an excellent response to all frequencies employed in the broadcasting of both music and speech. Acoustically it is of the electromagnetic type, and is provided with a special filter for eliminating high frequencies that are not in the acoustical frequency range, which would be reproduced as noise and distortion if the filter was not used. This is a remarkable bargain at price quoted. Shipping weight 5 lbs.

Your Cost $2.95

W19117—Your Cost For Entire Unit

Victor A.C. Dynamic Chassis

One of the latest Improved Dynamic Speaker Chassis, of new type construction, similar to the RCA No. 106, but with larger field. One of the most rugged chassis designed. Used for radio receiver amplifiers, power amplifiers, public address systems, etc. For 110 volt 60 cycle A.C. Designed for push pull 45s or 47s. Has tremendous volume, full tone control, and permits easy and simple adjustments if at all necessary. Acoustically this speaker gives an excellent response to all frequencies employed in the broadcasting of both music and speech. Acoustically it is of the electromagnetic type, and is provided with a special filter for eliminating high frequencies that are not in the acoustical frequency range, which would be reproduced as noise and distortion if the filter was not used. This is a remarkable bargain at price quoted. Shipping weight 5 lbs.

Your Cost $9.95

W19117—For push pull 45s. For push pull 47s.

Walnut Speaker Cabinet
will fit any Magnetic or Dynamic Chassis
up to 10 in. Dia.

This is a high grade finer quality Walnut Speaker Cabinet, artistically designed and produced by one of the largest cabinet manufacturers. Front frame of cabinet is of a fine walnut finish, deep rich grain. The grill is in a slightly contrasting deep color, with a dull finish, and is backed with a gold bronze cloth. This is a cabinet that will materially enhance any surrounding in which it is placed. Constructed throughout of the finest selected woods, hand-rubbed and finished. This is one of the best values in cabinets at the price quoted. Sides of cabinet are reinforced. Size 16" high; 14⅝ wide; and 10⅝ deep.

Shipping weight 10 lbs.

Y19845—Your Cost Each

$2.75

R.C.A. Radiola Speaker Filters

For Model 100-A

This special unit comprised of a filter choke and condenser, can be installed on any type of magnetic speakers. It gives a rich mellow tone, and brings out the bass notes. By substituting this filter in place of the one on Model 100-B and 103 speakers it will give you the same tone quality so well known to the Model 100-A. Size is 1¾" high and 1⅞ wide. It is equipped with two mounting brackets, RCA Part No. 1969. Shipping weight 16 lbs.

Your Cost Each $20

W19493—For Models 100-B and 103

In very similar in appearance to the above filter, but its characteristics are to emphasize the high notes of the speaker reproduction. This unit may also be installed in place of the one in 100-A Speakers and will modify the tone and bring up the high notes. RCA Part No. 1969. Shipping weight 16 lbs.

Your Cost Each $20

W19454—For Models 100-B and 103

Utah Stadium A.C. 12" Cone

This Speaker is used in Power Amplifiers, Public Address Systems, etc., using 45 or 47 tubes for 110 volt A.C. 60 cycle supply, and with transformer suitable for either single or push-pull 45s or 47s. Has 6 volt dry rectifier. Overall size 11¾" wide; 12⅝ high; 7½ deep. Cone diameter 12". Shipping weight 20 lbs.

Your Cost $6.95

W19215—For single 45s.

W19216—For single 47s.

Wholesale Radio Service Co., Inc. — 100 Sixth Ave., New York

Stewart-Warner Dynamic 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 development—offers a remarkable price. This excellent speaker gives clear crisp tone and volume and without distortion or any tendency to "cross over."

Sturdily, compactly built. Cadmium coated against rust. Individually packed in original sealed carton to give protection. Shipping weight 6 lbs.

Your Cost $1.95

W19214

Celotex Dynamic Speaker Baffles

This material is ideal for speaker baffles, its non-resonant quality makes it far superior to wood for the purpose. In expensive and without doubt the finest sound insulator ever developed—guaranteed to be sound proof. Baffles below quoted without hole, add 500c to net price if hole is desired and specify size of hole. Shipping weight 2½ lbs. to sq. ft.
Speaker Replacement Parts

RCA Radiola Speaker Cone

Brand New Genuine Victor Speaker Voice Coil and Cone Improved - Re-enforced R-32, RE-45, R-52, RE-75

The genuine late improved type, the same as being used by Victor for replacement in Models R-32, RE-45, R-52, and RE-75. Has strengthened voice coil assembly, assuring you of a dependable replacement cone. Do not accept substitutes in place of this Victor Cone. Due to our large purchasing power, you are able to offer you this replacement cone at a low price. Shipping weight 4 lbs. W1971 - Your Cost, Special $9.50

Field Coil for Victor Speaker

The genuine replacement used in Victor Speakers in model receivers, not later than 1945, R-88 and R-95. Can also be used in other speakers, 3,000 ohms, D.C. resistance. Size "B", "B", 1 1/2" inside diameter, 2 1/4" outside diameter, 3 1/4" length. Shipping weight 2 lbs. W1976 - Your Cost $1.75

For RCA Photophone, 104 and 105 Speakers

The genuine Field Coil used in the above speakers. Can also be used in other speakers using 1000 ohms, D.C. resistance, 100 volts at 100 ma. Size: 4 1/4", 4 1/2", all-diam., 2 1/2" hole diam. Shipping weight 13 lbs. W1945 - Your Cost $1.30

Apex — Gloriatone — U. S. Radio and Television and Montgomery-Ward Chassis 20

This is the genuine Utah Field Coil used in the above receivers. 1100 ohms, tapped at 9040. Utah 7" Speaker. Shipping weight 6 lbs. W19450 - Your Cost Each $1.75

RCA Radiola Magnetic Speaker Motor Mechanism for Model 100 and 102

The genuine replacement unit, No. 707, complete motor mechanism and speaker. Individually boxed. Guaranteed perfect condition. Shipping weight 5 lbs. W19451 - List $2.65

For Models 100-A, 100-B, 103 Speakers

Similar in appearance and size to above. RCA Part No. 1964 and 19654, motor mechanism. Shipping weight 6 lbs. W19452 - List $3.80

RCA Radiola Speaker Rectifiers

Part No. 6878, used in long wave receiver. Supplies 100 volts at 1000 ma. Also used for 106 C speaker, or any speaker having a 1000 ma field. Shipping weight 5 lbs. W19453 - Your Cost, Special $2.45

Genuine RCA Speaker Cones

For 100-A Speaker RCA No. 8110 $1920 - Your Cost $7.50

For 100-B and 102 RCA Nos. 8050 $19220 - Your Cost $7.50

RCA Radiola Magnetic Speaker Coils

RCA Part No. 1966, for RCA Model receivers 30-A, 50-A, and 60-A, used in metal radio magnets. The official replacement magnet coils used by RCA Speakers. No. 100-A, 100-B and 103. D.C. resistance of 1200 ohms. Can also be used by other speakers using this size coil. Size of each coil, 1/4" diameter outside, 3/4" thickness, 3 1/4" diameter. W19212 - Your Cost $4.50

Replacement Field Coils

For RCA-Radiola 100 Speaker, Western Electric 540-AW RCA Models 30—Victor Combinations

The genuine replacement No. 708 magnet coils, used in many other speakers. Size: 1/4" diameter outside, 3/4" thickness, 3 1/4" diameter. W19201 - Your Cost $4.50

We Will Not Knowingly Be Undersold
Bud Electro-Dynamic Unit

Here is the Unit that sets new standards in speaker performance. It represents an advance in diaphragm and voice coil construction that from a performance standpoint it is in a class by itself. It reproduces music and speech with utmost fidelity-superb tone and perfect enumeration, without undue straining of treble or bass. Chattering and buzz noises have been eliminated. This unit is the only one in which the voice coil can be replaced without factory service. A diaphragm replacement can be made in a few minutes by any operator or service man. The voice coil of the bud unit will stand 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 26 watts on the input, not to exceed 15 watts at 2 amperes alternating current. Impedance of voice coil is 16 ohms. Exciting energy of field coil must be 6-8 volts at 1.5 amperes, which can be secured from 6-volt storage battery or an especially designed Bud dry rectifier. Specify 16 or 18 volts. Weight 1 lb. 18 lbs.

Y19278 - List $45.00
Your Cost Each $ 26.45
With this remarkable device, it is now possible to make those perfect recordings, on aluminum, composition or celluloid blanks. No finer Recorder has ever been offered on the radio market before. Truly a professional model, custom built to exacting standards, at a price that you would expect to pay for a home recorder that is nothing but a playingtoy. Service-men should profit from an item of this nature, people are naturally curious and will gladly pay to hear their voices come over on their own phonograph combinations.

Some of the features of this precision Super Recorder are worn and worn gear liberally dimensioned to withstand long wear. Feederscrew 5/4" in diameter, runs on hardened pivots and is Interchangeable. Inside-out feederscrew furnished if desired. Positive feed giving unif orm spacing; no overlapping lines. Feed mechanism supplied with counter plate for aluminum, or aluminum and celluloid. Cast parts attractively finished in black crackle. Other parts heavily chromium plated. Equipped with Professional Type Recorder with perfectly balanced high impedance pickup for play-back. Counter is 15 welds, 15 ohms impedance. Playback pickup 6000 ohms. Turntable and Motor Assembly mounted on a 16x16" panel of 3/4" laminated board, walnut or mahogany finish. Overall depth 10".

A specially adapted motor of constant speed, 1/20 H. P. 78 RPM, under all load conditions is provided. Motor has more than sufficient torque for aluminum and celluloid recordings, and will not slow down on periphery of turntable. A special motor was designed and developed which together with motor suspension make the entire Assembly run noiseless and vibration free. Maintenance of constant speed during recording and reproduction is notable. The Standard Assembly consisting of turntable and feed mechanism is built for 80 line recording on 12" diameter records. Feed outside-in. Driving pins near center of turntable are provided for celluloid recording, and can be removed when recording on aluminum. Complete assembly, Professional Recorder, 15 welds impedance, with 6000 ohm playback pick-up for aluminum recording. 115 volt, 50-60 cycle motor. Shipping weight 30 lbs.

**16-Inch Turntable and Motor Assembly**

For recording long continuous programs on one blank, we have developed a special 16" Turntable and Motor Assembly of the following specifications: Panel 20 x 20 x 3/4" laminated board, walnut or mahogany finish. Extra heavy 16x16" turntable driven by a 1/20 H. P. motor with our special rim drive assuring constant speed. Assemblies provided with either 78 or 33 1/3 RPM. Drives as desired. The recorder is provided with both 100 and 150 line feeds; 100 line feeds are furnished, a combination celluloid or aluminum cutting head is provided with this outfit. When ordering, specify RPM, and type of feed required. 15 welds impedance playback pick-up. Shipping weight 45 lbs.

**Your Cost**

$168.00

Extra feed screw for any desired number of threads. Shipping weight 3 lbs.

**Your Cost Each**

$12.00

Same equipment as above, except furnished with a Two Speed Drive Motor for 78 and 33 1/3 RPM. Shipping weight 62 lbs.

**Your Cost**

$199.50

**Double Turntable Assembly**

For recording continuous radio programs, duplication of recorded programs or transmitting of records we build a Double Turntable Assembly of the following specifications; Panel 16 x 3/4" laminated board. 2 Turntable Assemblies, 2 motors, 2 recorders and 2 playback pick-ups are provided. Each unit operates individually. Speeds of both motors are carefully adjusted so that both turntables operate with utmost uniformity. Shipping weight 68 lbs.

**Your Cost**

$235.00

**Overhead Feed Mechanism**

To Attach to Your Present Turntable

We offer this device for those who desire to attach this Unit to their own turntable. Has an adjustment for professional alignment of Motor of constant speed and rating of 1/20 H. P. minimum is recommended for this unit; be sure there is sufficient power in your motor to operate it. Turntable should be flat, with about 1/4" felt covering, and securely fastened to motor shaft. Is furnished with supporting bracket for record unit, when swung off turntable. Equipped with 15 welds impedance needle and feed head, and 5000 ohms impedance playback pick-up. Shipping weight 12 lbs.

**Your Cost**

$39.75

Extra Feed Screws for 88, 96 or more lines for above-mentioned Feed Mechanism. Shipping weight 2 lbs.

**Your Cost Each**

$3.00

**Dual Speed CAPEHART Automatic Record Changer**

This dual speed 33 1/3 and 78 RPM. Automatic Record Changer, is the most practical device for continuous playing of the Victor 10 or 12" recordings, or any other compositions, or aluminum records. Plays both old type and New Victor Long Playing records. Equipped with the New balanced electrical pick-up, noted for fine tone quality, and absence of needle scratch. An excellent device for the Home, public address system, theatre, ballroom, etc. For local advertising using either aluminum or composition recordings of your own, the Automatic Record Changer has no equal. Using long playing Victor records, you can listen to four hours of music without a stop. Completely automatic, last record repeats until restacked or when master switch is turned off.

An encore may be had of any record. Additional equipment includes a reject device and unloading lever. Can be mounted in your own cabinet, or in our DeLuxe Cabinet, made expressly for the accommodation of this mechanism. Radio Receiver, Power Pack and Speaker can also be installed in this cabinet. Base 14 1/2 x 14 1/2". Height above mounting board, 7 1/4"; depth below 3 1/2". Shipping weight 30 lbs.

**Your Cost**

$45.00

**Overhead Feed Mechanism for 33 1/3 and 78 RPM,**

$3.95

**Dual Speed Adapter**

Pays Both the NEW and OLD Type Records. 33 1/3 and 78 RPM.

**Your Cost**

$3.95

Attach this to your present phonograph motor and enjoy the new long playing and the regular old style records. Fits all makes of phonographs. Just lift off your present turntable and drop this adapter on it in its place. By merely pressing a lever you play either type of record, 33 1/3 the long playing record, 12 to 25 minutes of uninterrupted music. This portentous new adapter brings the old style records. Disc is 12" in diameter and fits all types of records. Shipping weight 1.5 lbs.

**Your Cost**

$3.95
New "Green-Flyer" Governor Controlled Two Speed Motor

A new induction type motor that may be adjusted for either old style recordings at 78 R. P. M. or the newer 33 1/3 R. P. M. records. Gears are completely enclosed and run in oil. Silent laminated Bakedite spiral cut gears. Over-size set lubricating bearings. Will not overheat in closed cabinets. 16" turntable. Has dual and pointed needle indicator. Hardware nickel plates. Automatic stop available at slight extra cost. Weight 14 lb.

A100—Two Speed Motor for 105-120 volt, 50-60 cycle A. C. current.
Your Cost...

A102—Single Speed, 78 R. P. M. Motor.
Your Cost...

Direct Current Motors for 110 Volts

A101—Two Speed Motor same as our No. A100, but for D. C. current.
Your Cost...

A103—Single Speed, 78 R. P. M. Motor same as 100, but for D. C. current.
Your Cost...

If 12" Turntable is desired for any of the above motor, add 40c to net price and so specify.

Special Recording Motor Dual Speed

This motor is specially constructed and is preferred for recording. Similar specifications to the above 2-Speed Model except that field and rotor are 1/4" longer and that the motor is much more powerful. Complete with 12" turntable. Shipping weight 16 lbs.

A120—For 105-120 volt, 50-60 cycle A. C.
Your Cost...

A121—For 110 volt D. C. operation.
Your Cost...

Bodine Motors

The Bodine RC-12 is a motor of greater power and quicker acceleration. For 78 R.P.M. The new totally-enclosed reduction gear has fewer parts and is more compact and efficient than the famous RC-10. Many other new refinements combine to make it one of the finest motors of its type. For use on A. C. 33 1/3 volt only. Shpg. wt. 13 lbs.

A108—List Price $25.00
Your Cost...

Needle Cups

Statuory bronze finish. Diameter 1 1/4".

A130—Open Type $7.50
Per Dozen...

A131—Closed Type...

Pick-Up Volume Controls

Made for use with phonograph pickup, power amplifiers and "Mike" hook-ups. Controls volume of 24" phonograph.

G3899—List Price $2.50.
Your Cost...

Edison Phono Needles

The best made. Steel. Medium, Loud or Extra Loud. Fifty to the package.

A130—Net per Package 6c
10 Packages for...

A204—6"...

A205—8"...

A207—12"...

Pre-Grooved Aluminum Records

Stock No. Size...

A104—10'...45c

A105—12'...55c

Aluminum Record Blanks for Recording

The records are aluminum discs and will reproduce the voice of any person, music, or sounds of any type. They can be used to record on blank sides and when played with the proper bamboo needles are practically indestructible.

Stock No. Size...

A137—Single Speed, 78 R. P. M. Motor...

A190—Two Speed Motor for 105-120 volt, 50-60 cycle A. C.

A121—For 110 volt D. C. operation.

B. M. S. Microphones

Studio Model

These are real Microphones for Home Broadcasting—not Toys. Easily attached to your Radio Receiver. On the Junior you simply press a button to cut out the Radio Program and cut in the Microphone and release it to bring back the program. On the Studio Model this is accomplished by a sliding contact switch. Amusing and mystifying—a riot of fun at home gatherings, parties, club affairs, etc. In fact can be used wherever there is a radio set installed. Make your own announcements and announce your home right out of the Loudspeaker in the middle of a chain Broadcast; impersonate your favorite radio stars. Attached to any radio set. Does not need to be disconnected from the set. Completely enclosed and run in oil. Complete instructions are enclosed in each. Shipping weight 2 lbs.

Junior Model

M3780—Junior Model.
Your Cost Each...

A100—Two Speed Motor for 105-120 volt, 50-60 cycle A. C. current.

A102—Single Speed, 78 R. P. M. Motor.

A103—Single Speed, 78 R. P. M. Motor same as 100, but for D. C. current.

A120—For 105-120 volt, 50-60 cycle A. C.

A121—For 110 volt D. C. operation.

A108—List Price $25.00
Your Cost...

A104—10'...45c

A105—12'...59c

Recording Needles

A special designed Steel Needle, for cutting or grooving and recording on aluminum records.

A200—Your Cost Package of 3...15c

Reproducing Needles

Bamboo needle for playback on aluminum or composition records.

A111—Your Cost Package of 5...20c

Automatic Stop for Phono Motors

For Electric Phonos. Adjustable to operate at any point on record. Automatically trips switch which cuts off current to motor. Works with any type tone arm.

A135—Your Cost Each...

A200—Your Cost Package of 3...15c

A111—Your Cost Package of 5...20c

A135—Your Cost Each...

ALUMINOV Northwestern Mfg. Co. - 111 East 25th St., New York, N. Y.
Phono Pick-ups and Accessories

RCA Photophone Oil Damped Reproducer with Special Scratch Filter

This RCA Photophone Reproducer, Arm and Pick-up Head, furnished with a special Scratch Filter, is one of the finest units of this type for sound equipment, public address systems and large installations where the finest quality of reproduction is required. This unit is suitable for either 33 1/3 or 78 R.P.M. playback on 16" records. Use of this pick-up has been rightly named the finest of electrical pick-ups. 20 ohm impedance. Shipping weight 10 lbs. Your Cost $24.50

RCA-VICTOR-Two Speed-Balanced Pick-up

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

The RCA-Victor Inertia Type Pick-up, perfectly balanced to give remarkable tone quality over the entire frequency range. With suitable balancing weight for reproducing the 33 1/3 and 78 R.P.M. records. An excellent pick-up for Public Address systems and Theatre Installations. This type pick-up was the original equipment on Victor Combinations and RCA Electrola T-6. 200 ohms imp. Shipping weight 1 lbs. Your Cost, Special $6.95

RCA-Victor-Brunswick

Low Impedance Pick-up Head

Used on all the early models of the RCA-Radiola, Victor, Brunswick, etc. Cobalt steel permanent magnet, and is housed in a bronze finished brass case. Lifetime fidelity of tone, frequency response excellently good. Special Victor connection plug. Shipping weight 1 lbs. Your Cost, Special $1.70

High Impedance Pick-up Head

This pick-up head is identical to the above in appearance, with the exception that the case is finished in a rich dull gold lacquer. It has a D. C. resistance of 900 ohms, and an impedance of 3300 ohms. Your Cost, Special $1.70

Victor Pick-up Head

Models RE-45 and RE-75

The genuine replacement pick-up head, No. 60560, used in all late model reproducers of RCA-Radiola, Graybar, RCA-Victor, General Electric, RCA Phonographs, etc. Impedance of approximately twenty ohms. Straight neck type. Brown finish. Your Cost $2.15

RCA Victor Magnetic Pick-up Heads

This is the same magnetic pickup head as is used on all late model receivers of RCA-Radiola, Graybar, RCA-Victor, General Electric, RCA Phonographs, etc. Impedance of approximately twenty ohms. Straight neck type. Your Cost $2.15

RCA-Victor Pick-up Coils

These replacement magnet pick-up coils for all models of RCA-Victor, General Electric, Westinghouse, Graybar, etc. On the Victa No. 1175. Hole is 1/8". Your Cost $3.50

RCA-Radiola Pick-up Head

Models 67 and 47

The genuine replacement pick-up head, used on Model 67 Combination. Special design for this model. Impedance 250 ohms. No. 2491. Shipping weight 2 lbs. Your Cost, Special $3.50

We Will Not Knowingly Be Undersold

Truvest Scratch Filter

Practically eliminates the irritating, annoying and objectionable scratching caused by the friction of the needle, by filtering this out. It Improves the tone quality by a clearer rendition of the record played, almost as if it was originally recorded, eliminating background noises. Equipped with phone tip jacks for the input and also with line jacks on the output side to the amplifier, or to the radio phonograph jack. Shipping weight 3 lbs. Your Cost, Special $2.25

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 combines with absolute fidelity the intricate chromatic elements of the most difficult musical compositions. Unique in that it is rubber damped providing absolutely clear reproduction free from the customary pick-up noises. Many exclusive features have been incorporated into the manufacture of the Lafayette Super-Pick-up, no effort having been spared in its preparation. Available in 2500 or 5000 ohms impedances. Special impedances to order at special prices on request. Specify type when ordering. Shipping weight 6 lbs. Your Cost Complete, with Volume Control $9.75

Phono-vox

The Phono-vox has met the demand for the proper reproduction of standard 78 R. P. M. and the new 33 1/3 R. P. M. recordings. The New Phono-vox is equipped with a thumb screw that adjusts the needle pressure from zero to five ounces. It plays the new records requiring much less pressure than the old ones. The pick-up can be readily adjusted for either type. Shipping weight 5 lbs. A150—No. 120 Phono-vox. Complete with adapter, safety Volume Control and radio-record switch. List $13.50. Your Cost Each $7.94

Audyk Model 30 Pick-up

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


Winchester Dual Speed Pick-up

For 33 1/3 and 78 R.P.M. Records

One of the finest instruments of its kind. Bakelite throughout, highly polished. Noted for fidelity of tone. Angle Tone Arm with ball bearing track. Equipped with thumb screw which adjusts the pressure. Quality proven on record. Rotating head makes for rapid needle change. It works into the grid of tube. By replacing the old style 78 R.P.M. pick-up, with this New Winchester you will be able to play the new long playing records. Shipping weight 3 lbs. A141—Your Special Cost $4.75

Lafayette Professional Jr.

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

Has same general characteristics as above pick-up. Plays only 16" records. Specify high or low impedance. Shipping weight 6 lbs. Your Cost Complete, with Volume Control $9.75

Pacent

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

A Cent for the money. Makes all other pick-ups look bad in comparison. This pick-up has all the advantages of the high priced pick-ups but at a reduced price that makes it a must for every radio. Shipping weight 6 lbs. A138—Complete with Volume Control $6.25

Winchester Special

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


Truvest Scratch Filter

Practically eliminates the irritating, annoying and objectionable scratching caused by the friction of the needle, by filtering this out. It improves the tone quality by a clearer rendition of the record played, almost as if it was originally recorded, eliminating background noises. Equipped with phone tip jacks for the input and also with line jacks on the output side to the amplifier, or to the radio phonograph jack. Shipping weight 3 lbs. Your Cost, Special $2.25

Scratch Filter

Practically eliminates the irritating, annoying and objectionable scratching caused by the friction of the needle, by filtering this out. It improves the tone quality by a clearer rendition of the record played, almost as if it was originally recorded, eliminating background noises. Equipped with phone tip jacks for the input and also with line jacks on the output side to the amplifier, or to the radio phonograph jack. Shipping weight 3 lbs. Your Cost, Special $2.25

We Will Not Knowingly Be Undersold

59
This new tester embodies in one instrument the very latest methods for immediate location of trouble of radio receivers, without removing the chassis from cabinet. This outfit analyses the radio circuit from set socket, giving resistances, capacities, and short-circuits. Two high quality direct reading meters are provided. They are calibrated as follows: D. C. Meter—3½ division lower scale, 0-30-300-600 volts and 0-30-300 M. A. Upper Scale, 0-5000 ohms, 0-3 megohms. A. C. Meter—Calibrated for 110 volts 60 cycle, reads in mls. Lower Scale, 0-50-35 mls. Upper Scale, 1-10 mls. Also for line voltage. For testing resistances, two 22½ volt batteries and one small flashlight battery are contained in battery compartment. A rheostat is provided to obtain calibrating voltage of A. C. meter. For testing resistance voltage dividers, series resistors, transformer primaries and secondaries, filter capacitors, speaker cables, capacitors of various tube circuits; through the set-socket, two plug-in cables and separate cords are provided. Individual tests, separate from plug connections, for all of the above, can also be made through jacks provided. Set troubles are located quickly and easily with this outfit. Strong, portable case, covered with fabric. Cover removable and separate battery compartment panel. Shipping weight 13 lbs. K11015—List Price $55.00  
$32.34  
Your Cost Each

NEW READRITE COMBINATION SETS

No. 576

A combination of the No. 406 Tube Tester, the No. 710 Circuit Analyzer and the No. 550 Oscillator. An oscillator is now an important part of every up-to-date serviceman's equipment. The same applies to tube-testers. Testing tubes, aligning tuning condensers of F. R. P. sets and tuning condensers and intermediates of superheterodyne, testing receiver circuit, including capacities and resistances, all these necessary operations can be performed, quickly, easily and accurately. The Oscillator and Tube Tester are on one panel with the Set Tester in a drawer underneath. Closing the case automatically locks the drawer in place. Case size 22½ x 14½ x 6½ inches high. Shipping weight 24 lbs. K11005—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. K11040—List $90.00.  
$52.92

No. 406-710

Consists of No. 406 and No. 710 combined in a single leatherette covered case, size 21½ x 14½ x 7½ inches. A handy instrument for analyzing set circuits and accurately testing tubes. Shipping weight 14 lbs. List $50.00, K11011—Your Cost  
$29.40

No. 407-710

This combination provides combination Tube and Short Tester with Set Analyzer. Case same appearance and size as Nos. 406-710. K11012—List $55.00  
$32.34  
Your Cost

Household Utility Tester

Readrite Model 900

Here is an instrument that every well equipped service station and serviceman should possess. The wide awake service station and serviceman will always be on the outlook for new avenues for profit and increased usefulness to the customer. Let the customer know that you are in a position to help him when his refrigerator, household appliances, etc., gets out of order. You can be the handyman for the home. This instrument is designed for servicing electrically operated refrigerators, ironing machines, water pumps, oil burners, stokers, ventilating systems, ranges and general appliance. Input and output outlets with connecting cords, plugs and clips for measuring volts and amperes. A. C. Ammeter reading up to 20 amperes. A. C. Voltmeter reading up to 300 volts and a complete direct reading Ohmmeter 0-40, 0-10000 ohms for continuity testing. Leatherette case 10½ x 9½ x 3½ in. Complete with removable cover. Shipping weight 15 lbs. K11018—List $22.50, Your Cost  
$13.23

No. 610

This tester contains the same equipment as the No. 710. The panel and all equipment are in a separate compartment. There is a place in the top of an extra large leatherette carrying case which is equipped with a lock. Has space 6½ x 11½ x 4½ 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 14½ x 7½ x 7½ inches. Shipping weight 10 lbs. K11013—List $30.00, Your Cost Each  
$17.64

406—Tube Tester

Equipped with six and seven prong sockets for testing new type tubes. Tests all tubes without adapters. Connects to A. C. supply line. Has illuminated dial. Ideal for dealer's counter use. Easy to operate. A separate button provides for testing both plate of '80 tubes. Meter protected by fuse. A push button provides two plate readings for determining the conductance and worth of tubes. Size 10½ x 7½ x 4½ inches. 60 cycle A. C. Shipping weight 7 lbs. K11000—Model 406. List $25.00, Your Cost  
$14.70

Model 407

Same as Model 406 except that it also provides a complete short test for tubes. All shorts, gas, and leakage tests are made with tube heated in the same testing position. Same socket is used for tube north and south tests. For 60 cycle A. C. K11002—List Price $30.00, Your Cost,  
$17.64  
Models 406 and 407 for 25 cycle A. C. at $1.47 additional.
Readrite Capacitor Tester No. 850

A new instrument for testing Electrically and Paper Type Condensers. It has two meters, an A.C. meter calibrated in microfarads—double scale .008 to 10 mfd's. 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 jack provides for test leads when testing condensers independent of receiving set. Seamsome metal case. A very convenient and practical instrument. Instructions supplied. Shipping weight, 3 lbs. K11031—Without Cover. List $15.00. Your Cost...

Counter and Portable Direct Reading Tube Checker

Readrite Model 443

A tube tester customers can depend on. For store and field testing. Contains large 4½" precision meter mounted in panel in case cover. Visible at right angle when cover is open. Meter has a new and old type tubes, indicating red for poor, yellow for doubtful and green for good tubes. Rheostat and A.C. voltmeter are incorporated with the testing instrument. Two tube chart in cover of case show the worth of tubes and the exact gain and also the correct battery charging weight, 15 lbs. For 60 cycle. K11032—List $30.00. Your Cost...

Perfect Merchandise - Prompt Shipment - Personal Service
New 1933 Supreme AAAi Diagnometer

Analyzer Tube
Tested Shielded Oscillator Ohmmeter Megometer and Capacity Tester

$144.50

Tests 4, 5, 6 and 7 Prong Tubes—without use of adapters. Analyzer circuit consists of a universal A.C.-D.C. multimeter of the copper oxide rectifier type with a tangle 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 80 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 receiving circuits, equipped to determine resistances up to 500,000 ohms and 0-4 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 analyzing plug, cable, power supply plug and an 86 page booklet of radio data. Hardwood carrying case. $5.00 x 11 x 18 1/2

Shipping weight 35 lb.

$144.50

Jewel 444A Analyzer

Pattern 444 is a 2-meter analyzer for every type radio receiver and for testing full wave rectifier, variable mu, output pentode, pentodes having a direct connection, fifth element, and the new six prong type tubes. A.C. and D.C. circuit tests are controlled by separate rotary selector switches. In addition to set socket tests, twenty-four ranges are available at pin jacks—for external testing. Among these are three output meter ranges and three resistance ranges.

The instrument ranges are: A. C. Meter—0-6-12-60-120-300-600 volts; D. C. Meter—0-12-60-120-300-600 volts, 0-12-10,000-100,000 ohms and low-medium-high output ranges.

Accessories supplied: Test leads with insulat ed prods and molded pin-plugs, test leads with clips for speaker voltmeter leads and molded pin-plugs, line plug and cord with molded pin-plugs and an adapter for output measurements on sockets, instruction book. Dimensions 12" x 12" x 4 1/2". Approximate weight 12 lb.

J10950—List Price $117.50

Your Cost Each $86.25

Jewel 559 Output Meter

Allows the relative output of a receiver to be determined visually. Consists of a Jewel 2 1/4 inch D.C. instrument in a full wave copper-oxide rectifier circuit, housed in a molded Bakelite case. The meter permits visual determination of the relative output of the tubes in a receiver, and can be used to test the output of a radio or any other apparatus. A separate d.c. meter for testing the output of the radio is included with the instrument. The meter is housed in a Bakelite case and is easy to read and use. The instrument is not affected by a.c. current and is unaffected by d.c. current when接入

J10952—Jewel pattern 559 Output Meter.

List Price 547.50. Your Cost Each $34.90

Jewel Test Oscillator

Model 563

This instrument combines every Oscillator feature necessary for servicing modern radio receivers and Jewel dependability at a very low price. Output adjustable to any frequency in the broadcast band from 550 to 1500 K.C. and in the two intermediate bands of 125 to 185 K.C. and 175 to 450 K.C. Completely shielded. Operated from self-contained batteries, carried in the case. Output continuously variable from zero to maximum. A separate high output range 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 rheostats are provided. Complete instructions are included with the instrument. Dimensions 12 x 12 x 4 1/2". Approximate weight 12 lb.

J10951—List Price $117.50

Your Cost Each $86.25

Supreme Tube Tester

Model 40

Tests all type tubes, including 6 and 7-prong without adapters. Provides for loading or heater potential of 1.5, 2.0, 2.5, 3.3, 5.0, 6.3 and 7.5 volts and also the five sockets on the analyzer panel—very flexible arrangement and direct potentiometer measuring range, 0/3, 0/9, 0/30, 0/300, and 0/300 milliamperes. Three ranges, 0/3, 0/30, and 0/300 are provided for external or d.c. potential measurements, with a sensitivity of 2,500 ohms direct potentiometer. With ordinary 60 cycle power supply capacity measurements may be made between 0/30 and 7 mfd. Shipping weight 11 lbs.

J10954—"Not Portable" Your Cost Each K10954—Portable Type (illus) $32.94

Jewell Rotary Switches

These switches are supplied as 12, 24 or 36 point switches and can be made in any number of double or single positions. E.g., for high cost, consists of a rotary member and a set of stationary contacts. The switch is supplied for a standard panel thickness of 1/4". Bar handles are included with switch. Has double wiping contacts; of phosphor bronze. Made of a molded Bakelite with brass terminals and brass components. Used universally in general radio work. Some of its uses are for changing wavelengths; multiple connections in meters; forming various combinations of circuits and parts, etc. Max. Intermittent current 4 amperes.

J10335—2-deck, 12-point. Your Cost $ 2.83
J10336—2-deck, 12-point. Your Cost $ 3.82
J10337—2-deck, 24-point. Your Cost $ 5.08
J10338—2-deck, 24-point. Your Cost $ 5.15
J10339—2-deck, 24-point. Your Cost $ 6.58
J1048—2-deck, 12-point. Your Cost $ 14.65
Other combinations can be had on special order.
**“Macklyn” Set Analyzer and Tube Tester**

This combination set analyzer and tube tester is truly the “Last Word” in testing equipment. In its design you will find all the good points hitherto resembed to others. The design should be considered a high price and the absence of those objectionable qualities that demand complicated adjustments.

The “Macklyn” makes every test with an accuracy that can be depended upon and a simplicity that saves time and money. Every imaginable reading is made by merely pressing of buttons. There are no complicated and delicate switches to be used with this tester design. All the switches used are of the干什么 kind. This is a most important feature as only the costly and pleasant use the plus, the only one that will fit into small or narrow spaces found in midge sets. The case is of walnut, beautifully finished and the cover is removable. Complete instructions are furnished with each instrument.

Size: 11x9x43/8”. Shipping weight 6 lbs.

Price: $20.58

---

**Preston Set Analyzer and Tube Tester**

Designed for instant and simple operation. All circuit and tube tests can be quickly and accurately made. No rotary switches are used and each particular test has its own individual push button, thus eliminating confusion and waste of time common in ordinary switch arrangements. Before leaving the laboratory, this instrument has been approved, not only by engineers but also a group of impartial servicemen who demanded efficiency in operation. Three meters are used with scale readings of 0-10-100-600 volts D. C. 0-10-150 volts, A. C., and 0-20-100 milliamperes. Pin and jack connections are standard for external readings. The design is such that resistance measurements and capacity measurements can be quickly taken and a calibrated chart showing meter readings in both ohms and microharts is provided for each instrument. Included in the complete equipment is a seven conductor cable and long plug, three adapters, seven gold plated leads with prods and detailed instructions for every imaginable test. The panel is of bakelite, engraved for each push button and pin. Leatherette case: 10x7x8" in size. Cover is removable. Shipping weight 4 lbs.

Price: $13.95

---

**The Latest Development in Vane Type Meters. D. C. Meters with Zero Adjustment**

Every improvement and advantage that goes to make up a quality product has been incorporated in these instruments. Made by and for craftsmen to whom “precision” is a watchword. The magnets are large and made of chrome steel. Wide scales make for easy reading and long pointers come to rest immediately due to excellent damping of these instruments. Only D. C. meters have zero adjustment. All vane type meters have an external resistor and each voltmeter has 200 ohms per volt. All meters have a wide flange and are finished in dull black. Over all dimensions, 2½"; Panel Hole, 2½".

---

**Build this low price Hickok High Range Volt-ohmmeter**

An instrument for checking resistance values, D. C. voltages and continuity of circuits. No serviceman or service shop should be without a high range volt-ohmmeter; it is necessary in the servicing of present day sets and sub-sets. Reliability and simplicity of operation. This accurate volt-ohmmeter is pre-calibrated. Anyone can take a reading in an hour, without any worry about calibration. Large size meter, 3½" body diameter, 4½" dial, definite case, 1985 ohms per volt resistance. Knife-edge pointer assures ease and accuracy of reading. Resistance values, from 1 to 100000 ohms. D. C. voltages, 0/30/300/600 volts. Voltage adjuster to calibrate meter to batteries.

Price: $18.00

**LIST OF PARTS**

1 Hickok Meter. $23.00
1 Change-over Switch. 3 Burgess C Batteries. 5 Accurate Wire Wound Resistances. 1 Potentiometer for Battery Adjustment. 1 Set of Diagrams and Instructions. The complete set includes all parts except case. Price: $23.00

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**WESTON 563 D. C. Circuit Tester**

An instrument for checking resistance values and continuity of circuits. Consists of a model 301 meter having two resistance ranges 3000 and 50000 ohms mounted in a black bakelite case. Has a toggle switch for range selection. 50 test leads included. Self-contained battery. Dimensions: 3½x3½x2½". Shipping weight 3 lbs.

Price: $21.00

**J10555 - Weston 563 Circuit Tester.**

Price: $15.49

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**Pocket Meters**

**Accurate and Reliable**

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<th>Pocket Meters</th>
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**Preston "Plug in"**

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**Macklyn**

- Set Analyzer
- Tube Tester

110511 - List Price $12.00. Your Cost $11.00

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**INSTRUCTIONS**

- Use with care to avoid breakage of parts.
- Handle carefully to avoid damage to instrument.
- Do not expose to direct sunlight or extremes of temperature.
- Keep away from moisture and dampness.
- Do not attempt to disassemble or repair the instrument.
- Use only the specified batteries.

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

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[Image of Preston Set Analyzer and Tube Tester]
Franklin
Portable Tube Checker
Model H-33

The ultra-modern in portable tube testing equipment. Tests all tubes announced to date for anything from the .05-volt and .06-volt series of long-prong tubes and the 2.5 and 6.3 volt series of screw-prong tubes without the use of adapters of any kind, or any changes in circuit wiring. In all Franklin tube testing equipment the plate, grid and other parts of the tube are energized with proper volatages of Direct Current of various magnitudes as governed by the characteristics of the tube. When a tube is placed in a socket of a Franklin tube testing instrument, the same voltages are applied to the tube as when it is in use in a properly designed radio receiver, with the manufacturers' recommended voltages applied thereto.

In addition to rapidly and accurately testing all modern types of tubes, this instrument is designed for use in making circuit, continuity, and point-to-point tests on radio receivers. Voltage taps on the end of the instrument case are provided for this purpose, also for the testing of condensers of all types, and resistors up to 2,000,000 ohms, literally making the instrument a junior set analyzer. Dimensions 7½" high; 9½" wide; 2½" deep. Shipping weight 5½ lbs.

$29.75

Your Cost

Tube Checker
Model D-33

The Model D-33 is identical to the Model H-33 in every respect, except that the Model D-33 does not have provision on the end of the instrument case for continuity tests, etc. Checking a tube is a very fast operation with this new type checker. The table of normal tube readings is attached to the inside of the lid of the instrument case, so that the complete normal tube is available. Shipping weight 5½ lbs.

$23.75

Your Cost

Meters

A sturdy and reliable line of inexpensive Testing Instruments that is very popular with the Service-vemen. Well made and attractively finished. Panel mounting type dial, 2½" square columed flanges, nickel plated bezels. White dial. Panel opening 2½". Shipping weight 1 lb.

Panel Type D. C. Voltmeters

Stock No. | Range | Ohms | Your Cost | Net
---|---|---|---|---
K1101 | 0-1 | $0.58
K1102 | 0-3 | $0.58
K1103 | 0-5 | $0.58
K1104 | 0-6 | $0.58
K1105 | 0-8 | $0.58
K1106 | 0-10 | $0.58
K1107 | 0-15 | $0.58
K1108 | 0-20 | $0.58
K1109 | 0-25 | $0.58
K1110 | 0-50 | $0.58
K1111 | 0-100 | $2.50
K1112 | 0-200 | $2.50
K1113 | 0-300 | $2.50
K1114 | 0-500 | $2.50
K1115 | 0-1000 | $2.50
K1116 | 0-1500 | $2.50
K1117 | 0-2000 | $2.50
K1118 | 0-2500 | $2.50
K1119 | 0-5000 | $2.50
K1120 | 0-10000 | $5.00
K1121 | 0-20000 | $5.00
K1122 | 0-30000 | $5.00

Front or Bottom Illuminated Type

Readout: Red

Stock No. | Scale | Code
---|---|---
K1101 | 0-4 | TM103
K1102 | 0-6 | TM103
K1103 | 0-10 | TM103
K1104 | 0-15 | TM103
K1105 | 0-20 | TM103
K1106 | 0-30 | TM103
K1107 | 0-50 | TM103
K1108 | 0-100 | TM103
K1109 | 0-150 | TM103
K1110 | 0-200 | TM103
K1111 | 0-300 | TM103
K1112 | 0-500 | TM103
K1113 | 0-1000 | TM103

Edgewise Mount, Shadow Illum. Type

Stock No. | Scale | Code
---|---|---
K1101 | 0-4 | TM105
K1102 | 0-6 | TM105
K1103 | 0-10 | TM105
K1104 | 0-15 | TM105
K1105 | 0-20 | TM105
K1106 | 0-30 | TM105
K1107 | 0-50 | TM105
K1108 | 0-100 | TM105
K1109 | 0-150 | TM105
K1110 | 0-200 | TM105
K1111 | 0-300 | TM105
K1112 | 0-500 | TM105
K1113 | 0-1000 | TM105

No escutcheon included at above price

Readalite Resistance Tuning Meters

Any Model Listed Below

List $1.50

Your Net Cost

88°

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

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Code TM103

Front or Bottom Illuminated Type

Code TM103

Front or Bottom Illuminated Type

Code TM103
**Weston Meters**

**Model 301**

**D. C. Ammeters**

Permanent magnet moving coil type. Accurate within 5%. They are supplied as Voltmeters, Volt-Ohmmeters, Ammeters, Milliammeters and Millivoltmeters. Weight approximately 8 ounces.

**Model 301**

**A. C. Instruments**

**Rectifier Type**

Extremely high sensitivity A. C. instruments are obtained by using a full-wave copper oxide rectifier in conjunction with a standard Model 301 D. C. movement. They have the excellent damping, even scale characteristics and high overload capacities of the D. C. instruments. Temperature errors at ordinary room temperatures and frequency errors over the power frequency range of 25 to 135 cycles are negligible. Frequency errors on higher frequencies up to 35,000 cycles may be corrected for as the instrument indications decrease approximately 1/2% of 1% for each thousand cycle period used.

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

**Model 301**

**D. C. Voltmeters**

Approximate resistances in ohms per volt: 1 to 40 volts, 62 to 150 volts; 200 to 200 volts, 250 volts, 300 to 500 volts, 666; to 2000 volts, 666; above 2000 volts, 100. Extreme with 3 1/2 inches. Diameters of barrel 2 1/2 inches.

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<tr>
<th>Stock</th>
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**Model 301**

**Micro-Ammeters**

Stock | Range | List Price | Your Cost |
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*These instruments are designed to use in horizontal or 45° position. Rectifier Cases should be specified for Ammeters and Milliammeters when used in circuits above 300 volts when it is not possible to connect the instrument in the grounded side of the line.

**Model 301**

**Volt-Ohmmeters**

Stock | Range | Primes | Your Cost |
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**Model 476**

**A. C. Instruments**

Movable iron type for A. C. only. They are used in conjunction with Ammeters and Milliammeters. They are accurate within 1 1/2%.

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**Model 476**

**A. C. Milliammeters**

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<td>5.00</td>
<td>20</td>
<td>$5.88</td>
</tr>
</tbody>
</table>

**Model 506**

**D. C. Milliammeters**

Stock No. M. | List | Net |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>J10817</td>
<td>1</td>
<td>$9.00</td>
</tr>
<tr>
<td>J10818</td>
<td>7</td>
<td>$7.00</td>
</tr>
<tr>
<td>J10819</td>
<td>10</td>
<td>$7.00</td>
</tr>
<tr>
<td>J10821</td>
<td>20</td>
<td>$7.00</td>
</tr>
<tr>
<td>J10822</td>
<td>50</td>
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<td>100</td>
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<tr>
<td>J10824</td>
<td>200</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

**Model 506**

**D. C. Volt-Ohmmeters**

Stock No. Volts | List | Net |
<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>J10830</td>
<td>10,000</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

**Multi-Mount**

Radio servicemen and experimenters will find this Multi-Mount a practical aid in efficiency and accuracy. With the aid of this device, a range selector becomes a multi-range instrument, readily available in an infinite number of combinations. The Multi-Mount kit contains 1 1/4 x 1 1/4" metal panel with circular opening to fit any 24 x 24" standard meter case, such as Weston; 2 slotted metal brackets; 2 threaded flat 2 knurled nuts. Shipping weight 1 lb.

| Your Cost | $3.90 |

**Jewel Ohmmeter**

Pattern 80

These instruments are mounted in cases of molded Bakelite with suitable terminals. A 115 volt coil, mounted in the case makes it independent of outside sources of energy, a magnetically shielded, convenient adjustment to compensate for variations in cell voltage. Very accurate. Shipping weight 1 lb.

| Your Cost | $13.97 |

**Weston Model 301**

**Rectifier Type—A.C.—D.C.**

**Volts—Milliamperes**

Designed for the serviceman who desires to build a multi-range instrument to fill his particular testing requirements. It is for use with external shunts and external resistors for measuring D. C. voltages and currents 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 D. C. It has a double scale—one for A. C. and the other for D. C. each calibrated 0-6 volts. Non-inductive copper oxide wound wire. Accuracy within 1/2% Insulation tested. Temperature coefficient negligible.

| Your Cost | $13.97 |

**Erdi Rectifier Units**

Designed for use with a D. C. Meter into a D. C. circuit, which can be used to measure both direct and alternating current; the proper choice of Multiplier resistances and shunts for accurate milliammeter, any D. C. voltage and current ranges may be accurately measured, and when equipped with this Rectifier, the same A. C. values may be ascertained. Consists of four copper oxide coated discs to give full wave rectification of the most perfect possible manner; no time lag between impressed voltage and resulting current.

| Your Cost | $3.50 |

15 M. A. for Use in Meter Conversion

| Your Cost | $2.50 |

30 M. A. for Use in Microphones

| Your Cost | $2.50 |

“Taurex” Copper Oxide Rectifier for D. C. Meter Conversion

| Your Cost | $2.95 |
**"Van" A.C. and D.C. Shunts and Multipliers**

**Accuracy Limits 2%**

**"Van" Multipliers**

| Stock No. | Ohms | List Price | Cost
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>K10925</td>
<td>4900</td>
<td>$1.00</td>
<td>.58</td>
</tr>
<tr>
<td>K10926</td>
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<td>.58</td>
</tr>
<tr>
<td>K10927</td>
<td>10000</td>
<td>$1.50</td>
<td>.85</td>
</tr>
<tr>
<td>K10928</td>
<td>40000</td>
<td>$2.25</td>
<td>.73</td>
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<tr>
<td>K10929</td>
<td>46000</td>
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<tr>
<td>K10932</td>
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<td>2.06</td>
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**"Van" Shunts**

**Multiple Shunts**

<table>
<thead>
<tr>
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<tr>
<td>K10901</td>
<td>6</td>
<td>K10911</td>
<td>5</td>
</tr>
<tr>
<td>K10910</td>
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<td>100</td>
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<tr>
<td>K10912</td>
<td>25</td>
<td>K10915</td>
<td>500</td>
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For Universal Model 301, 50 M. V. Each

| Stock No. | Milli-amps. | Cost
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>K10914</td>
<td>100</td>
<td>$2.00</td>
</tr>
<tr>
<td>K10942</td>
<td>500</td>
<td>$3.00</td>
</tr>
<tr>
<td>K10940</td>
<td>2500</td>
<td>$5.00</td>
</tr>
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</table>

Series Tapped Shunts

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10926</td>
<td>10 - 2000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stock No.</th>
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<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10928</td>
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<td>$4.75</td>
</tr>
<tr>
<td>K10927</td>
<td>0 - 1500</td>
<td>$4.75</td>
</tr>
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<td>K10926</td>
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</tr>
<tr>
<td>K10925</td>
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**For 5 Volt A. C.-D. C. Universal**

<table>
<thead>
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<th>Stock No.</th>
<th>Ranges</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10943</td>
<td>0 - 100</td>
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<td>K10942</td>
<td>0 - 500</td>
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</tr>
<tr>
<td>K10940</td>
<td>0 - 2500</td>
<td>$5.00</td>
</tr>
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</table>

**D. C. Milliammeters—Single Range**

| Stock No. | Range | Divisions | List Price | Cost
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>J10415</td>
<td>0 - 60</td>
<td>80</td>
<td>$6.00</td>
<td>$4.12</td>
</tr>
<tr>
<td>J10416</td>
<td>0 - 30</td>
<td>60</td>
<td>$6.00</td>
<td>$4.12</td>
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<tr>
<td>J10417</td>
<td>0 - 10</td>
<td>25</td>
<td>$6.00</td>
<td>$4.12</td>
</tr>
<tr>
<td>J10418</td>
<td>0 - 5</td>
<td>10</td>
<td>$6.00</td>
<td>$4.12</td>
</tr>
<tr>
<td>J10419</td>
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<td>$4.75</td>
<td>$3.25</td>
</tr>
<tr>
<td>J10420</td>
<td>0 - 10</td>
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<td>$4.75</td>
<td>$3.25</td>
</tr>
<tr>
<td>J10421</td>
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<td>J10422</td>
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<td>5</td>
<td>$4.75</td>
<td>$3.25</td>
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<td>0 - 1</td>
<td>2</td>
<td>$4.75</td>
<td>$3.25</td>
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**D. C. Voltmeters—Single Range**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>J10350</td>
<td>0 - 1</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10355</td>
<td>0 - 5</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10360</td>
<td>0 - 10</td>
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</tr>
<tr>
<td>J10365</td>
<td>0 - 15</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10370</td>
<td>0 - 20</td>
<td>$4.75</td>
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<tr>
<td>J10375</td>
<td>0 - 25</td>
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</tr>
<tr>
<td>J10395</td>
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<td>$4.75</td>
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**For Volt A. C.-D. C. Universal**

For 5 Volt A. C.-D. C. Universal

<table>
<thead>
<tr>
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<th>Ranges</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>J10346</td>
<td>0 - 25</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10347</td>
<td>0 - 50</td>
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</tr>
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<td>$4.75</td>
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**D. C. Voltmeters—Single Range**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Ranges</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>J10350</td>
<td>0 - 1</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10355</td>
<td>0 - 5</td>
<td>$4.75</td>
</tr>
<tr>
<td>J10360</td>
<td>0 - 10</td>
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<td>J10365</td>
<td>0 - 15</td>
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<td>J10395</td>
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**For Universal Model 301, 50 M. V. Each**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Ranges</th>
<th>Price</th>
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<tbody>
<tr>
<td>K10914</td>
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<tr>
<td>K10942</td>
<td>500</td>
<td>$3.00</td>
</tr>
<tr>
<td>K10940</td>
<td>2500</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

Printed on the finest grade Bristol Board, with clear lettering, and sharp cut figures. Many useful combinations may be made 38 using these in conjunction with various shunts.

**Littelfuses for Test Instruments**


**For Radio Receivers and Amplifiers**

Designed as a special protection for radio sets. Used in the power supply, line, and meter circuits. The maximum voltage to be protected depends on the voltage drop of 50 milli-amps. 1/4 inch long.

**Voltsmtells—Single Range**

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>J10365</td>
<td>0 - 5</td>
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<tr>
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<td>0 - 10</td>
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</tr>
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</tr>
<tr>
<td>J10375</td>
<td>0 - 500</td>
<td>$13.50</td>
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**Voltsmtells—Zero Center**

<table>
<thead>
<tr>
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<th>Range</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>J10385</td>
<td>0 - 5</td>
<td>$7.50</td>
</tr>
<tr>
<td>J10386</td>
<td>0 - 10</td>
<td>$7.50</td>
</tr>
<tr>
<td>J10387</td>
<td>0 - 15</td>
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<td>J10388</td>
<td>0 - 25</td>
<td>$7.50</td>
</tr>
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<td>J10389</td>
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<td>$7.50</td>
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<tr>
<td>J10390</td>
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<td>$7.50</td>
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</table>

**Milliammeters—Double Range**

<table>
<thead>
<tr>
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<th>Range</th>
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</thead>
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<tr>
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<td>J10401</td>
<td>0 - 10</td>
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<td>J10402</td>
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</tr>
<tr>
<td>J10403</td>
<td>0 - 20</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

**Littelfuses Panel Type Mountings**

For sub-panel use. Studs are 1" long, and have 4 gauge thread. For 1/4" fuses only.

**Littelfuse Mountings**


**Littelfuse Price List**

- Beede 3½ inch Meters
- D. C. Milliammeters—Single Range
- D. C. Voltmeters—Single Range
- Voltsmtells—Single Range
- Voltsmtells—Zero Center
- Milliammeters—Zero Center
- Milliammeters—Double Range
- Littelfuses for Test Instruments
- For Radio Receivers and Amplifiers
- Littelfuse Mountings

**Wholesale Radio Service Co., Inc. - 106 Sixth Ave., New York**
Laboratory Test Prods and Accessories

Neutralizing Tool
Carried in the pocket like a fountain pen, has clip for pocket. 1/4" nut wrench with key slot and neutralizing screwdriver on removable inside rod; 1/4" nut wrench in one end of outside barrel. Made of durable non-conductive material that will stand hard usage. Shipping weight 8 oz. List Price $1.50
P14915—Your Cost Each 45¢

Neutralizing Tool Set with Metal Nibs
Polished black bakelite handles. Two tools. One consists of a 1/4" diameter 6" long tube on each end of which are heavy brass nickel-plated socket wrenches for 3/8" and 1/2" hex nuts. The other tool fits inside the first tool and consists of a 1/4" solid rod, one end of which has a strong screw driver blade, the other end is a solid magnetic tool.
PI5083—Your Cost Each 85¢

Four-in-One Neutralizer
Compensator and "Tool Kit"
Combines in a fountain pen size compact tool that can be carried in your vest pocket, 1/4" and 1/2" nut wrenches, miniature blade screw driver for neutralizing and a full size insulated handle general purpose screw driver. Made of fine quality extra strength fiber. Fountain pen clip prevents losing from pocket. When closed, no sharp points are exposed to clothing.
P15082—Your Cost Each 85¢

Pencil Type Test Prods
These test prods are in large demand due to their serviceability and special features, such as interchangeable tip ends and long handles. Spring plugging of the end of prods allows changing from spade lugs to phone tips or to spring clips. Tight and sturdy connection at all times. Handles are 7 1/2 and only 1/8" in diameter, ideal for getting into tight places. Strip or pointed phone tips are used for piercing through fiberglass, body or tips act as standard tip for use in phone tip jacks. Are also convenient for scraping surfaces for good contact. Equipped with 5 ft. black and red flexible wire. Comes complete with two Alligator Clips, two needle point Phone Tips, and two tapped lugs; the latter will fit all screws up to No. 10 in diameter.
P12791—Your Cost Per Pair Complete 79¢

Alligator Test Clip
This new type of Alligator Testing Clip is made on the same principle, long and thin. It is only 1/4" wide and 2" long. Has a soldering feature on the inside of the barrel for easy soldering. They are ideal for testing purposes on meters, test boxes and electrical apparatus.
M12954—Your Cost Each 25¢ Per Dozen 50¢

Tapered Lugs
These lugs are ideal for all kinds of connections due to the fact that they are tapered and will take all screws up to number 10. Made of brass and are neatly nickel-plated.
M12954—Your Cost Per Doz. 15¢

Eby Twin Jacks
Bakelite moulded strip for standard phone tips. Mounting hole centers 1 3/4".
M13030—Phone. 6¢
M13031—Speaker. 6¢
M13032—Plug each 6¢

Eby Twin Posts
Bakelite strip, brass posts. One gland and one ant. Mounting centers 1 3/4".
M13029—Your Cost Each 17¢

Eby Triple Posts
Bakelite strip. Three posts, gland, long ant. and short ant. M13029—Your Cost Each 15¢

Handy Test Clip Leads
These Test Clip Leads are available in various lengths and can be red and black wire per pair. They consist of Alligator type test clips soldered on each end. They are ideal for experimental purposes and all laboratory test connections. Available in the following lengths:
M12975—Spade Ends. $0.25
M12976—Pin Tip Ends. $0.20
M12977—Spade to Pin Tip Leads. $0.25

Laboratory Test Prods
Improved type. Has brass handle tip with needle point and heavy body. Answers two-fold purpose of needle prod and phone tip prod. Handles 5/8" long and are extra heavy. Red and black covered leads 5 ft. long. Shipping weight 8 oz.
M12978—With Spirit Tips. $0.25
M12979—With Phone Tips. $0.25
M12980—With Spring Clips. $0.30

Eby "Ace" Binding Post
M13027—Specify marked desired

Improved Testing Plugs and Lugs
M12961—No. 1. Hook Type Connector with Insulated Sleeve. Your Cost Each 06¢
M12962—No. 2. "U" Type Connector with Insulated Sleeve. Your Cost Each 06¢
M12963—No. 3. One piece Hook Type Connector and Sleeve. Your Cost Each 03¢
M12965—No. 4. Shock-proof Plug with Insulated Sleeve. Your Cost Each 16¢
M12964—No. 5. Shock-proof Plug with Insulated Sleeve. Your Cost Each 14¢
M12966—No. 6. Distributing Plug with Heavy Connecting Sleeve. Your Cost Each 10¢
M12967—No. 7. Antenna or Multi-Line Connector. Your Cost Each 06¢

Test Plugs
Three Test Plugs come in pairs of red and black with flattened tip, which is attached to an insulated piece. They are ideal for temporary or permanent connections where a plug of this type is required.
M12970—Your Cost Per Pair $0.20

"We Will Not Knowingly Be Undersold"

www.americanradiohistory.com
Here's what you have been looking for—nothing like it, forty-one in one Adapter Change. High grade tube checking adapters cost 38 cents. No leads, no jacks or plugs, no complicated directions. All finishes and resistances are exactly right for instant reading of both plates of dual plate tubes, but the design is ruggedly made, a typical NA-Ald product. Tubes it will check in practically any checker are 282-A, 282-B, 267, 267-C, 878, 89, 41, 42, 44, 46, 47, 49, 52, 55, 57, 59, 61, 62, 63, 64, 65, 67, 68, 69, 70, 82, 83, 85, 88, 89, 93, 95, 98, 96, 97, G-4, G-10, LA, PA, PX, PZ150A and PZ151A as well as the NA-Ald No. 950XYL, shipping weight 2 lbs.

KL1551—List $6.00
Your Cost Special $5.50

For Testing Wunderlich 6 Prong Tubes and Type 29 and 89 in any Tester 95SGG
6 hole top, 5 prong base, dual grid, two holes are connected together and the other two are bledd down to grid prong of base, thus converting tube to a standard three element type for testing in any grid socket. Shipping weight 8 oz.

KL1550—List $1.25
Your Cost Each $0.95

For Testing Wunderlich Five Prong Tubes 95SGGKL
5 hole top, 5 prong base, the two grids of the top socket are connected together and the other to grid prong of base, thus converting tube to a standard three element type for testing in any grid socket. Shipping weight 8 oz.

KL1550—List $1.25
Your Cost Each $0.95

For Testing Wunderlich Tubes in Set Analyzers with 906WL Plug
6 hole top, 5 prong base, the two grids of the top socket are connected together and the other to grid prong of base, thus converting tube to a standard three element type for testing in any grid socket. Shipping weight 8 oz.

KL1550—List $1.25
Your Cost Each $0.95

For Testing B.R.Raytheon Half Wave Gasous Rectifier Tube Circuits in any Analyzer tubes listed below, used together, are required for the checking. Each have 4 hole top—4 tube holders.

KL1550—List $1.00
Your Cost Each $0.85

966-5S—The plate and negative filament holes are connected in pure and cathode pins, respectively, other connections as shown, shipping weight 8 oz.

KL1550—List $1.00
Your Cost Each $0.85

Universal Testing Adapters

For testing in the plate circuit with connections by cord tip jacks. Filament, grid and cathode connections also have connections by cord tip jacks, enabling you to make many tests through the use of this adapter. You may test plate circuits by using the millimeter in series with the plate circuit, test plate voltage by connecting the millimeter in series between plate connections and cathode or filament connections by using test voltage by connecting a voltmeter between grid connections and cathode or filament connections, or filament current by connecting a voltmeter across the filament. Shipping weight 8 oz.

K11560—List $1.50
Your Cost Each $1.25

K11571—List $1.50
Your Cost Each $1.25

Oscillation Control Adapters

For use in balancing neutralizing condensers with those to a heterodyne or a tetrodyne set. One filament is dead, enabling you to use an ordinary tube for balancing. Shipping weight 8 oz.

KL1550—List $1.00
Your Cost Each $0.75

Neutralizing Adapters

For use in balancing neutralizing condensers with those to a heterodyne or a tetrodyne set. One filament is dead, enabling you to use an ordinary tube for balancing. Shipping weight 8 oz.

KL1550—List $1.00
Your Cost Each $0.75

Balancing Adapters

For listening in on RF stages. Makes a detector of any set. Attaching one set, you are ready to appropiately balance any stage or determine if the stage is operating properly. Supplied with cord tip jacks for use with head phones. Shipping weight 8 oz.

KL1550—List $1.00
Your Cost Each $0.75

Listening-In Adapters

For listening in on detector or audio frequency circuits with head phones. Very useful for getting DX stations that are not audible in the ordinary set. Supplied with cord tip jacks for use with head phones. Shipping weight 8 oz.

KL1550—List $1.00
Your Cost Each $0.75
Bring Your Set up-to-Date
By Substituting New Type Tubes

954-47, replaces the 45 tubes with 46 or 47 type tubes.

K11591 - Your Cost ... $30.00
965-58, replaces the 24 tubes with 57 or places the 58 in a 35 or 51 socket.

K11592 - Your Cost ... $30.00
297, replaces Keltoy double heater type tubes with the 27 type.

K11593 - Your Cost ... $25.00
419X, places the new 2 volt tubes in old UV sockets.

K11594 - List ... $2.50 $1.47
Your Cost ... $2.50

Tubes for Replacing 224 and 335 Tubes with 57 or 58 tubes

965KS adapter takes the new 57 tube in a 24 socket or the 58 tube in a 51 or 35 socket. The 58 tube has about 2/3's the mu factor and over 90 per cent greater transconductance so it makes a much better tube than the 51. Moreover the new tube has a higher plate power than the 51. Shipping weight 8 oz.

Your Cost ... $1.00 $59.00

Tests the New 25 and 30 Volt Tubes

956AC Don't throw away your old tube checkers. You can use them with the new 25 and 30 volt tubes by using this new type socket adapter. Checks the 48 and 4 tubes in the 27 socket, by using the lamp in series. Shipping weight 2 lbs.

K11595 - List ... $2.50 $1.47
Your Cost ...

965-252S This adapter checks separately both plates of the new 25 volt double plate heater-type rectifier tube used in the latest universal and transformerless sets. Used in the 27 socket of any tube checker with a 40 watt lamp in series. Similar to above 965AC, except has toggle switch for testing both plates separately. Shipping weight 2 lbs.

K11596 - List ... $2.50 $1.47
Your Cost ...

Last Minute Specials

99L, new universal output meter adapter. Contacts the plate-prong of 4, 5, 6, or 7 prong tubes or 4 or 5 prong small or medium based tubes.

K11601 - Your Cost ... $6.00 $29.00
997MS - Adapter for changing a medium 7 prong plug to the new small base 7 prong type plug.

K11602 - Your Cost ... $6.00 $29.00
997FT - Adapter for use in a regular medium 7 hole socket to take the new small base 7 prong tubes.

K11605 - List ... $1.00 $59.00
Your Cost ...

New Speaker-Silencing Phone Adapters

995PST - For single prong pentode, 33, 47, 6A, PZ, etc. List ... $1.50
995PSW - For P-6 prong pentodes, twin adapters.

K11572 - Your Cost ... $73.00
995PFW - For P-6 prong tubes, twin adapters.

K11570 - List ... $2.50 $59.00
Your Cost ...

995PWS - Your Cost ... $1.47
996GW - For single 6 prong tubes, 41, 49, 43, etc. List ... $1.25
996GWP - For P-6 prong pentodes, twin adapters.

K11580 - List ... $1.25 $73.00
Your Cost ...

996GPW - For P-6 prong tubes, twin adapters.

K11581 - Your Cost ... $1.47

Tubing Bases

Moulded, polished black bakelite Standard size. Hollow brass molded, polished nickel finish. Easy to solder leads on inside of tubing 1/16", Cavity size— 1 1/2" diam., 1/8" deep. Shipping weight 8 oz.

K11599 - 4 prong $1.00 $9.47
Each ... $1.00 $9.47
K11600 - 6 prong $1.00 $9.47
Each ... $1.00 $9.47
K11597 - List ... $3.00 $1.76
Your Cost ...

For Testing Both Plates of 280 Tubes for Jewell 209, Weston 533 and 555 Tube Testers

9404Y A four hole top, 4 prong base, goes current reading on signaled plate of 200 type tubes. Crosses plate connections. Grid hole is connected to plate prong. Plate hole and grid prong are dead.

K11595 - List ... $1.50 $59.00
Your Cost ...

For Testing Type 33, 46, 47, PZ Pentodes Tubes in a Progn Socket

964-FS A twin adapter such one with a UX base and a green ring UX socket top interconnected with an 8 lead. One adapter has a filament clip from each filament so that half of the filaments of the pentodes may be connected in series whatever the filament connections in the set may be. Shipping weight 1 lb.

K11597 - List ... $1.00 $76.00
Your Cost ...

For Testing 41, 42, 68, PA and PZH Tubes in Tube Checkers

965-CG To check the 41, 42, 68, PA and PZH tubes in tube checkers having a UY screen-grid socket and proper terminals. Applied to the heater contacts. A single adapter has a red lead and blue ring 6 hole top with control-grid stub mounted on side. Shipping weight 8 oz.

K11598 - List ... $1.25 $73.00
Your Cost ...

965-LS Used in the UY socket of Supreme model AA4H, 22, 31, 41 and 6J and 40B. A different adapter on the test plug for testing and tube of 6 prong tube circuits.

K11598 - List ... $1.25 $73.00
Your Cost ...

For Testing the 55 and 85 Duplex-Diode Triode Tubes in the 27 and 37 Sets of any Tube Checker

965-55 An elongated single adapter having a UX base and a blue ring socket top with a lead electrode and a control-grid clip. Adapter has a resistance of 3000 ohms and 55-60 ohms to provide the proper voltage and a toggle switch for testing the tube and diode sections of the tube. Shipping weight 5 oz.

K11597 - List ... $3.00 $1.76
Your Cost ...

For Testing the 33, 46, 47, 49, GA, CA and PZ Tubes in Tube Checkers

975 A single adapter having a UX base and a blue ring UX socket top. To check the 33, 46, 47, 49, GA, CA and PZ tubes in tube checkers having a UX triode socket and provision for supply- ing 3, 25, 6 and 6 volts to the heater contacts. Shipping weight 1 lb.

K11597 - List ... $1.00 $59.00
Your Cost ...

NA-ALU Adapters

995-52 For Testing Diode Tubes

For testing double plate type tubes such as G-2, G-10, 3, 11, 59, 78, 86 and 88 mercury vapor rectifiers. Has protective resistance and toggle switch for testing both plates. Shipping weight 1 lb.

K11543 - Your Cost $1.76

982 for Mercury Rectifier Tube

980 tests the 82, 88, 89 and 86 mercury vapor rectifiers. Has protective resistance and toggle switch for testing both plates. Shipping weight 1 lb.

K11543 - List $3.00
Your Cost ... $1.76

For Twin Adapter for Testing 33, 46, 47 and PZ Pentodes in Set Analyzers

Type 974 Two twin adapters with 5-1/2\-interconnecting lead. Both adapters have a 5 contact top and a 5 prong base, but one has a black insulator ring and the other a plastic one. Place the pink ring adapter in the set socket and the black ring adapter in the UY and voltage being filament for reading weight 1 lb.

K11543 - List $2.50 $1.47
Your Cost ...

Raytheon Half Wave Gaseous Rectifier Tubes in Tube Tester 944BR Four hole top, four prong base, single adapter with a yellow lower, containing the proper resistor to safely test the BR tube in any tube checker. Tests like an 81 tube. Grid and plate holes deep. Shipping weight 1 lb.

K11596 - List $2.50 $1.47
Your Cost ...

For Testing the 33, 46, 47, 49, GA, CA and PZ Tubes in Tube Checkers

795 A single adapter having a UX base and a blue ring UX socket top. To check the 33, 46, 47, 49, GA, CA and PZ tubes in tube checkers having a UX triode socket and provision for supply- ing 2, 25, 6 and 6 volts to the heater contacts. Shipping weight 1 lb.

K11535 - List ... $1.00 $59.00
Your Cost ...

www.americanradiohistory.com
New Readrite Adapters

Combination Adapter
Tests all the new tubes: 29, 41, 42, 49, 57, 58, 39, 82, E4, 6L6, 79, 73, and 6L6BC. 8-prov tube in old model testers.
Indicates if the adapter will test all the new type tubes, including the latest 6L6BC type, in old model tube testers. Plugs into adapter socket. Complete instruction chart furnished with each adapter. This adapter will bring your tube tester right up to date. Shipping weight 4 oz.
$1.15 Each $3.75

K1510 - List $1.50 $0.88

Make Your Own Adapters Using the Eby Tube

Sections

Eby Tube and Circuit Adapters have interesting adaptable features that make them adaptable to any adapter required—equipped with molded Bakelite socket section fitted into standard tube base section. A ¾ hole is provided in the side of the standard plug section for bringing in leads for cutting in external circuits. Any combination can be worked out with these adapter sections. Shipping weight 8 oz.

Wired Tube and Circuit Adapters Without Hole

At Side

Stock Combination
Your No. Socket to Plug Cost
K1510 4 to 4 $ .25
K1511 4 to 5 $ .25
K1512 4 to 6 $ .25
K1513 4 to 7 $ .25
K1514 5 to 5 $ .20
K1515 5 to 6 $ .20
K1516 5 to 7 $ .20
K1517 5 to 8 $ .20
K1518 5 to 9 $ .20
K1519 5 to 10 $ .20
K1520 6 to 6 $ .20
K1521 6 to 7 $ .20
K1522 6 to 8 $ .20
K1523 6 to 9 $ .20
K1524 6 to 10 $ .20

K1515 - List $2.00 $1.18

Your Cost

Victor Speaker Plug

Used on the Victor amplifier, for set models R-32, RE-45, R-52, RE-75, etc. A heavy-duty plated contact plug, molded in genuine Bakelite. Equipped with a metal guard. Shipping weight 8 oz.

W1922 - List $2.00 $1.76

Your Cost

Victor Female Receptacle

Used on the Victor amplifier, for set models R-32, RE-45, R-52, RE-75, etc. A heavy-duty plated contact plug, molded in genuine Bakelite. Equipped with a metal guard. Shipping weight 8 oz.

M1301 - List $2.00 $1.76

Your Cost

Detect-0-Lite

A neon lamp enclosed in a Bakelite case with two flexible leads. Indicated whether voltage is A or C. D. Detects live and ground side of circuits. Indications of D. voltages between 110 and 560. Shipping weight 2 oz.

M1298 - List $0.50 $0.60

Your Cost Each

DELUXE MODEL

Similar to the standard model except that leads are longer, removable and it enables one to reach hard-to-get-to places. More convenient to use. Shipping weight 1 lb.

M1295 - List $1.50 $0.88

Your Cost Each

Eby Plug and Socket Cable Connectors

Moulded Plug Cable Connectors. For installations where wires of a cable are connected to the prongs of the male plug. Designed to fit the standard tube sockets and Eby female cable connectors. Equipped with soldering lugs and removable cap. Shipping weight 8 oz.

Stock No. of Size Hole Your No. of Prongs in Cap
M13304 6 4 $ .15
M13304 5 4 $ .15
M13304 4 5 $ .15

Female Socket Cable Connectors

Moulded female connector consists of a moulded cap and a socket assembly. The two are fitted together by means of a bayonet arrangement which permits quick and positive assembly and disassembly. Shipping weight 8 oz.

Stock No. of Size Hole Your No. of Prongs in Cap
M13243 6 4 $ .19
M13244 5 4 $ .19
M13245 4 5 $ .19

Sotk No. of Size Hole Your No. of Prongs in Cap
M13304 6 4 $ .15
M13304 5 4 $ .15
M13304 4 5 $ .15

Eby Laminated Male Plug

These male plugs offer one of the best and lowest cost methods of making inter-changeable circuit connections. Laminated Bakelite disc is used. Shipping weight 8 oz.

Stock No. of Size Hole Your No. of Prongs in Cap
M13307 6 4 $ .08
M13308 5 4 $ .08
M13309 4 5 $ .08

Naal'd Phone-Radio Adapter

949SW - Adapter connects a phonograph pickup to a U.K. tube and provides a method of switch from Radio to Phonograph and vice versa by means of two controllable switches. Two 18 leads may be attached to a switch. Shipping weight 8 oz. A suitable toggle switch can be mounted either on the front or side of cabinet. No switch supplied. Shipping weight 8 oz.

M13508 - List $1.25 $0.73

Your Cost

ICA Speaker Adapter

So designed that additional speakers can be connected to all radio sets using the same speaker leads. Out wiring or making any soldered connections. Two wire sockets fit between a standard base and output tube tubes thus connecting the extra speakers. Complete with cord and cord connector. Shipping weight 8 oz.

M13261 4-Prong $1.90

Your Cost

www.americanradiohistory.com
YAXLEY
Plates and Gang Switches

Yaxley Gang
Switches
These multi-point rotary tap switches as illustrated have been especially designed to meet the requirements of the most exacting Radio and Electrical Engineers for use in short wave and long wave receiving sets, test equipment, radio sound installations, etc. Single gang units with from two to ten points are commonly used in tapping resistances, transformers, coils, etc. Where gang lengths with two to ten points are widely used in wiring radio receiving systems in hotels, hospitals, schools, etc., where a selection of two or more programs are offered. Also in meter circuits and test equipment, to break both sides of line. Multiple gang switches with two to ten points are adaptable for switching from short to broad or long wave reception in combination receivers.

TWO POINT

<table>
<thead>
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<th>Stock No.</th>
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SIX POINT

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</table>

All switches have low capacity contact arms. Prices on 6 to 10 points —5 to 9 gang quoted on request.

For Loud Speaker, Aerial and Ground with Duplex A. C.

Loud Speaker Jack—male and ground pin jacks and duplex A. C. receptacles three-gang plate. Shipping weight 1 lb. each.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Your Cost</th>
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<tr>
<td>F6389-Brass F6389-Bakelite No. 383</td>
<td>$1.76</td>
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</tbody>
</table>

List Price $3.00

Trusted Rotary Switches


M1243 — Each 98¢

For a two range TRF Receiver; or where a long-wave or short-wave band and broadcast band are to be included. In a single gang 4 pole 2 position, three sections.

M1243 — Each 1.15¢

For a superheterodyne circuit combined with a TRF stage; pole 5 position, 3 sections.

M1244 — Each 1.30¢

For Yaxley Cables and Connectors

Brings battery wires to set in one compact cable, easily disconnected for cleaning. Can not be connected improperly. RMA color coded tagged cables. Sub-panels have a male type male and a female type female. Priced to order.

F6384 — Brass No. 122

List Price $5.00

Your Cost $2.94

Yaxley Cable
Connector Parts

For Multiple Connections

Multiple 22 conductor plug and receptacle mounted in single gang plate where 2 or more contact recep- tacle is needed. Shipping weight 1 lb. each.

F6384 — Brass

List Price $5.00

Your Cost $2.94

Yaxley Cable
Connector Parts

Pin Plugs

Cover Type

F6375 — No. 635. Pin plug with cover—7 conductor. List Price $1.00

Your Cost $1.76

F6376 — No. 625. Pin plug with cover—12 conductor. List Price $1.75

Your Cost $74¢

F6377 — No. 681. Pin Plug with mounting ring—7 conductor. List Price $1.90

Your Cost $59¢

F6378 — No. 617. Pin plug with mounting ring—12 conductor. List Price $1.25

Your Cost 74¢

Shipping Weight 1 Lb. Each

Receptacle Plugs

Designed for easily and quickly making or breaking multiple connections. Arm and other electrical equipment, auto receivers, sound equipment, etc.

Ring Type

F6379 — No. 645. Receptacle plug with cover — conductor. List Price $1.00

Your Cost $59¢

F6380 — No. 615. Receptacle plug with cover—12 conductor. List Price $1.25

Your Cost 74¢

F6381 — No. 644. Receptacle plug with cover—12 conductor. List Price $1.00

Your Cost 59¢

F6382 — No. 614. Receptacle plug with cover—12 conductor. List Price $1.25

Your Cost 74¢

Shipping Weight 1 Lb. Each

Yaxley Radio Convenience Outlets

Loud Speaker and Duplex A. C. Outlets

Phone jack and two A. C. receptacles. No. 242

F6415 — Brass

List $1.00

Your Cost $1.18

F6417 — Bakelite

List $1.00

Your Cost $1.18

Antenna and Ground 51/2 outlet

Two Pin recept marked "Ant." and "Gnd." No. 154

F6406 — Brass

List $1.50

Your Cost 44¢

F6407 — Bakelite

List $1.50

Your Cost 44¢

Volume Control and Loud Speaker

Receives volume on each separate reproducer. No. 131

F6637 — Brass

List $1.75

Your Cost $1.62

F6643 — Bakelite

List $1.75

Your Cost $1.62

Two Jacks for Dual Channel System

Both marked "Radio." For speaker connecting. No. 142

F6408 — Brass

List $1.75

Your Cost $1.03

F6409 — Bakelite

List $1.75

Your Cost $1.03

For Loud Speaker or Head Phone Connection


F6646 — Brass

List $1.25

Your Cost $1.47

F6645 — Bakelite

List $1.25

Your Cost $1.47

List 90¢

Your Cost Each 53¢

For two or more loud speakers or on same line. Has 2200 ohm imped- ance to compensate when one speaker is connected. No. 134, single jack marked radio. Shipping weight 1 lb.

F6397 — Brass F6398 — Bakelite

List $2.50

Your Cost $1.76

F6391 — Brass F6392 — Bakelite

List $2.50

Your Cost $1.76

Shipping Weight 1 Lb. Each

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Universal Model "LL"  
An extra rugged heavy type two-button broadcast Microphone. The entire assembly is of high carbon steel, and is finished within 0.001 of an inch accuracy. The diaphragm is of alloy of exactly the same thickness and of a strain gauge type to secure the best possible results. Pure gold contact points on each side. The materials used and the precision of manufacture combine to enable this model stand out as the most profitable microphone, reproducing a range from 20 to 20,000 cycles. Model "LL" is 31/4" in diameter by 1 1/4" thick and is standard 200 ohms per button. Net weight 2 lb. Shipping weight 3 lb.

Your Cost Each $44.10

Baby Mike for Home Entertainment
Baby Mike is a genuine single-button carbon microphone of 200 ohms resistance in a dial cast mounting 3 1/2" high. An outstanding feature is the adjusting screw at top near press button permitting operator to lower circuit "open" or "closed" in case of need. Another outstanding feature is the cushioning of diaphragm to prevent undue pressure on the speaker. Finished in highly polished chrome plate. Complete with 25-foot cord, prong adapter for connection to tube, phone jack, and binding posts and detailed instruction sheet and full description and methods of adaptation. Shipping weight 4 lbs.

Universal Model "QRX"  
Universal Model "QRX"  
QRX Microphone Mounted on Junior "A" Stage
An ideal combination for amateur or professional use. Simple and very easy to connect. Requires one flashlight micro-ear for operation. The transformer in this is both sensitive 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 material is able to be turned and faded in and out by the volume control. Amplifier box finished in russet leatherette. Shipping weight 8 lbs.

M13348—List Price $12.00
Your Cost Each $7.06

Torpedo Microphones
New type of microphone supplied to meet the steadily growing demand for microphones which is itself in itself and fully protected, more compact and is being quickly demounted. Connection is made to tube spring jacks into which telephone pin terminals are pluged. Not supplied with cord. The polished chrome plated perforated and screened cup housings are of heavy brass and are at last not to be removed accidentally. Supplied in standard models of 1/4" and 1/2", "LL" Maximi mum shipping weight 4 lbs.

M13471—With "BB" Mike. Shipping weight 7 lbs. List Price $30.00
Your Cost $17.64

M13472—With "KK" Mike. Shipping weight 6 lbs. List Price $55.00
Your Cost $32.34

M13473—With "LL" Mike. Shipping weight 7 lbs. List Price $80.00
Your Cost $47.04

New Midget Models 2-Button Lapel Microphone

This model confirms the reputation for quality and performance. A full fledged, 2-button natural toned instrument of precision craftsmanship. Thin, compact and light in weight, this is truly a laboratory designed and built to test. The Hi-Fi, common in all carbon microphones has been reduced to a minimum thus assuring reproduction of pronunciation and voice which is needed. With this microphone clasp lapel, one need only speak in a natural tone of voice and head held at any angle, the result will always be of the highest of all microphone clasp lapel. The cord can be easily and quickly removed or replaced. Diameter 2 1/4", thickness 1/4". Shipping weight 1 lb.

M13438—List Price $25.00
Your Cost $14.70

Universal Model "W" Watch "Mike"

Universal Model "W" Watch "Mike"  
Model of the Perfect Watch Model Microphone in the smallest complete teted and workable single-button microphone manufactured. Specially designed for particular for the many special uses requiring a small, very sensitive single button microphone that can be depended upon to give full quality performance. A favorite type for use on radio pick-up devices, lapel microphone, 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 diameter, 1" in depth. Shipping weight, 3 lbs.

M13443—List Price $3.00
Your Cost $1.76

Super-Sensitive Midget

Universal Model "Y"  
Universal Model "Y" is lighter, smaller and sensitive to all frequencies from 100 to 3000 cycles. Single button type. 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 1/4" in diameter, 1/2" in depth. Shipping weight, 3 lbs.

M13444—List Price $2.00
Your Cost $1.18

We can supply all Universal products, whether or not listed in this catalog, at maximum trade discounts.

www.americanradiohistory.com
LAFAYETTE Microphones

**Model "75"**

**DE-LUXE MODEL "75"** is unquestionably the finest two-button carbon microphone that money can buy. Response, 30-6000 cycles. Extra large diaphragm. Resil- ience, 100 ohms per button. Designed especially for studio and other uses where perfect reproduction of both music and con- versation is required. Stretched diaphragm of Duralumin 0.002 inch in thick- ness, with solid gold contact points where the carbon contacts the diaphragm. This ensures an absolute minimum of carbon rust, resulting in an ex- tremely quiet carbon unit. Diaphragm is protected by a steel screen to prevent damage from handling or accident. Extra heavy chrom- ium plated brass frame measures 5½ inches in diameter, 3¾ inch thick. Actual weight, 2 lbs, 3 ozs. Shipping weight 5 lbs.

**Model "50"**

**DE-LUXE 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. Microphone similar to the model 50 is used in all broadcasting stations around the country and are giving satisfactory service. Heavy brass frame, chromium plated. Frequency response, 30-7000 cycles. Diaphragm protected with steel screen. Equally suitable for voice or music. Resistance, 100 ohms per button. One of the finest carbon microphones on the market at this price. Each unit is critically tested and inspected before shipment, and carries a 90-day limit.

Lafayette Desk Stands

**Floor Stands**

Lafayette microphone stands are sturdy in construction, beautifully designed and make a welcome ad- dition to any public address system. Stand No. 1 is of modernistic design with satin satin finish white metal with die cast ring and weight base. Ring is 7½ ins. in diameter and base is 5½ inch in diameter. Adjust- able from 46 to 74½ ins.

**Extravagalza**

Stand No. 1. Shipping weight 4 lbs.
M1341—List Price $5.75
M1342—Your Cost $3.45

**Lafayette Desk Stands**

Type A

Type B

Type C

These styles illustrated above, while of different design, are of the finest construction throughout. Type "A" is of modernistic design, satin silver and black finish. Fixed column, Extra heavy with weighted base. Loops in sides of barrel for cables. Base has bolting screws Ins. high. Ring, 6 ins. Shipping weight 2 lbs.
M13430—Your Cost $3.95

Type "B" has a rich satin finish that makes it comparable with standard stands twice as much. Height 11½ ins.; diameter of ring, 6½ ins.; di- ameter of base, 5½ ins. Shipping weight 4 lbs.
M13447—Your Cost $5.45

Type "C" is a very neat appearing stand of satin finish white metal with die cast ring and weighted base. Ring is 7½ ins. in diameter; base is 6 ins. in diameter. Overall height 19½ ins. Neither of these types are adjustable. Shipping weight 4 lbs.
M13427—Your Cost $3.50

Lafayette Suspension Ring

New type, cast in Bronze, nickel plated, with 4 spring loops; 4 outside lugs. Including 8 locking screws. Diameter 5/4 ins. Shipping weight 1½ lbs.
M13448—Your Cost $1.45

Crystal Microphone

Pieo-electric principle. Does not require button current or polarized voltage. Frequency response, 20 to over 15,000. Has M48 frequency response, 40 to 7000 cycles. Tons into grid of first tube of amplifier if within 80. Very light weight. Only grid leak or volume control being used. May be adapted to 200 and 600 ohms. Shipping weight 4 lbs.
M13437—Your Cost $5.95

Tone Control

Is a vital necessity in every pub- lic address installation; used in conjunction with any microphone. On voice tone, an extremely high pitch may be toned down to a lower and a discomforting gruff voice modified to a higher frequency to match the characteristics of the station where there is a feed-back. In 2½x2½x3½ in. Shipping weight 2 lbs.
M13489—List Price $6.50
M13496—Your Cost $2.75

**Ellis Microphone Model 25**

The model 25 Ellis Microphone meets the universal need for a less expensive model of equal quality and features of the higher priced model. The frequency response is from 45 to 7000 cycles. Resistance per button is 200 ohms. Used for broadcast of music and voice with model 25D. Operation is direct into the microphone. The Model 25D corresponds to Model 25 except that it has the new quick-demountable feature making it easy to minimize or completely eliminate "feed back" and other noises. In this case, one has but to reduce current to two or three milliamperes and connect directly into the microphone. This instrument operates best out of four to ten milliamperes per button. Limit of guarantee, ten milliampere per button. The total resistance is 400 ohms D.C. or 200 D.C. per button. It has a frequency range of from 60 cycles to 6000 cycles. Diameter over all, 5½”. Thickness over all, 1½”. All units are nickel plated. Shipping weight 2½ lbs.

**Your Cost** Each...

- List $64.00
- M13383 – List $35.00—With demountable feature...
- **Your Cost** Each...
- **$20.55**

---

**Ellis Microphone Model 20**

Exceedingly effective for both voice and music. Model 20 Elliot microphone will fit any small outdoor public-address systems, where it is possible to pick up voice and music with ease. By taking advantage of the fact that this unit is less sensitive than the larger models, it is possible to minimize or completely minimize "feed back" and other noises. In this case, one has but to reduce current to two or three milliamperes and connect directly into the microphone. This instrument operates best out of four to ten milliamperes per button. Limit of guarantee, ten milliamperes per button. The total resistance is 400 ohms D.C. or 200 D.C. per button. It has a frequency range of from 60 cycles to 6000 cycles. Diameter over all, 5½”. Thickness over all, 1½”. All units are nickel plated. Shipping weight 2½ lbs.

**Your Cost** Each...

- List $49.75—shipping weight 2½ lbs...
- M13497 – List Price $25.00...
- **Your Cost** Each...
- **$14.70**

---

**Ellis Portable Stand**

This new stand will have a strong appeal to the trade. Very rigid, light in weight, has a spread of 28”, insures stability. Height adjustable from 3½” to 6” for specific applications designed to prevent twisting. Fittings are of brass. Stand has new type head and eight speciallocking screws. List $35.00. For use with Model 25. Has black papered rust proof finish. Shipping weight 11 lbs.

**Your Cost**....

- M13495 – List $18.00...
- **Your Cost** Each...
- **$10.58**

---

**Condenser Microphone**

At last, a real Condenser Microphone with many features and performance approximating the most expensive types. A microphone designed after years of research and development, and in response to the market. The Head of the Microphone is milled from the bar and heavily plated. The case is reinforced by an increased cross section. Two stage amplifier is built into the case, using two type '30 tubes. Output is 60 and 200 ohms. Head easily removable. Can be used as replacement of any type Carbon Microphone. Battery voltage is 8 volts. For operation no distortion, not blist. Its reproduction is clear, clean-cut and natural toned, with a sensitivity developed to the highest degree. Frequency range is from 45 to 7000 cycles, giving superior performance under all conditions. Practically flat response. Furnished complete with tubes and 25 foot shielded cord. Unusually fine appearance.

**Your Cost** Each...

- M13497 – List $65.00...
- **$38.20**

---

**Two-Button Carbon Microphone**

A two-button quality Microphone, ruggedly constructed; finished in Chrome Plate and gold plated, with gold plated contacts, and Gold plated alloy diaphragm. Diaphragm is tightly and correctly damped. Total resistance 400 ohms; 200 ohms per button. Sensitivity is high, yet natural tone. Low hiss level. Fitted with new Carbon Microphone diameter 2½”. Shipping weight 1 lb.

**Your Cost** Each...

- M13496 – List $10.00...
- **$5.88**
Microphones and Microphone Accessories

Truetest Shielded Microphone Cable

This rubber covered shielded microphone cable consists of three conductors color coded in a very closely woven tinned copper shielding with 14° outer coating, 60 per cent pure pure rubber. This cable is especially intended for outdoor use and is absolutely weather and abrasion proof. Shipping weight 10 lbs. per 100 ft.

<table>
<thead>
<tr>
<th>Code</th>
<th>Your Cost, per Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q16098</td>
<td>6¢</td>
</tr>
<tr>
<td>12 Ft. for</td>
<td>.50</td>
</tr>
<tr>
<td>50 Ft. for</td>
<td>.50</td>
</tr>
<tr>
<td>25 Ft. for</td>
<td>.25</td>
</tr>
<tr>
<td>100 Ft. for</td>
<td>.40</td>
</tr>
</tbody>
</table>

Shielded Microphone Cable

First quality shielded three conductor Microphone Cable that will stand the hardest usage without becoming torn or cracked. Ends provided with suitable lugs for easy connection. Very popular for indoor installations.

<table>
<thead>
<tr>
<th>Code</th>
<th>Your Cost, Per Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q16112</td>
<td>Shipping weight for 6 ft., 2½ lbs.</td>
</tr>
<tr>
<td>6 Ft. for</td>
<td>.35</td>
</tr>
<tr>
<td>25 Ft. for</td>
<td>.15</td>
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<tr>
<td>12 Ft. for</td>
<td>50</td>
</tr>
<tr>
<td>100 Ft. for</td>
<td>2½</td>
</tr>
</tbody>
</table>

5 Wire Rubber Covered Shielded "Mike" Cable

Re-enforced with eord, rubber covered, stranded color coded microphone cable. Heavy cotton braid outer layer, ribbon sleeve shield, 1/4" live rubber. Excellent for Convention Mikes. Outside diameter 1/4". For all outdoor temporary or permanent jobs. Shipping weight 2 lbs.

<table>
<thead>
<tr>
<th>Code</th>
<th>Your Cost, Per Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q16100</td>
<td>10¢</td>
</tr>
<tr>
<td>Per 100 Feet, 59.00</td>
<td></td>
</tr>
</tbody>
</table>

Super Service Shielded Microphone Cable

3½ ins. outside diameter 7 conductors of No. 14, 3½ seamless paper wire for 3 and 4 microphones on a mixing panel. This wire is identical with that used by large broadcasting stations and especially recommended for the better type of large P. A. systems. Each conductor is insulated with a smooth, waxed colored covering and is shielded with a tough, live rubber jacket. It is impossible to damage this wire no matter how rough the job. Shipping weight 12 lbs. 100 ft.

<table>
<thead>
<tr>
<th>Code</th>
<th>Your Cost, per Foot</th>
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</thead>
<tbody>
<tr>
<td>Q16009</td>
<td>20¢</td>
</tr>
<tr>
<td>50 Ft. for</td>
<td>.75</td>
</tr>
<tr>
<td>100 Ft. for</td>
<td>.175</td>
</tr>
</tbody>
</table>

Truetest Shielded Microphone Cable

Cable

Armored Connectors

Same specifications as above but complete with best grade armored male and female connectors.

<table>
<thead>
<tr>
<th>Code</th>
<th>Shipping Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q16080</td>
<td>Weight Cost</td>
</tr>
<tr>
<td>6 Ft.</td>
<td>1.50</td>
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<tr>
<td>Q16081</td>
<td>12 Ft.</td>
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<tr>
<td>Q16082</td>
<td>25 Ft.</td>
</tr>
<tr>
<td>Q16083</td>
<td>100 Ft.</td>
</tr>
</tbody>
</table>

Microphone Springs

These microphone springs are made of the finest grade tempered steel, with formed loop ends. M13402. Set of 8 for 25¢.

Bruno Condenser Microphone

A really professional instrument. Made with micrometer accuracy and tensioned thoroughly over the entire audible range. Has a flat response curve from 60 to 8000 cycles. Can be used for broadcasting, public address, or wherever perfect reproduction is required. There is no bias or other extraneous noises. Overtones and coloring are reproduced perfectly. The spoken voice is life-like.

<table>
<thead>
<tr>
<th>Code</th>
<th>Your Cost, Head. Shipping weight 5 lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13474</td>
<td>$19.50</td>
</tr>
</tbody>
</table>

Professional Broadcaster

It is simply connected to any Radio set, and affords a high class Public Address System, without disturbing the use of the radio set. Sufficient volume to entertain a large audience. Used in home, hall, club, lobby, auditorium, etc. The frequency is the maximum volume of your radio set. Designed for voice, music pickup, amateurs, public announcing, broadcast artists, etc. Switch controls for interrupting radio reception at distance and interconnecting remote volume control regulated to control side tones and room echo and other volume control. This model includes High Grade Microphone, Batteries, Battery, Control Stand, Switch control for Radio Set, Volume Control, and Microphone input stage. High grade Statutory bronze finish. Shipping weight 7 lbs.

<table>
<thead>
<tr>
<th>Model, &quot;B&quot;, Lst.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13488</td>
<td>$7.50</td>
</tr>
</tbody>
</table>

Connecticut Floor Stand Mike

Surprisingly good performance, heavy perfect. Complete nickel and light green. Adjustable 48 to 64°. On and off switch and 60 ft. of cord. Can be attached to any radio for home broadcasting. Also ideal for amateur use. Complete with standard molded microphone. Shipping weight 11 lbs.

<table>
<thead>
<tr>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13433</td>
</tr>
</tbody>
</table>

Table Mike

14° high, finished in Nickel and Gold. Green Stand contains Input Transformer and On and Off Switch. Case holds 50 ft. cord, Reels 20 for 2 dry cells. Suitable for amateur use. Shipping weight 2 lbs.

<table>
<thead>
<tr>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13468</td>
</tr>
<tr>
<td>Less Cells</td>
</tr>
</tbody>
</table>

Truetest Carbon Granules

Contains sufficient granules to refill one flat button microphone. Can be used to handle granules. Keeps vital tightly closed. Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13304</td>
</tr>
</tbody>
</table>

Portable Microphone Plugs

Equal to Bakelite in dielectric properties. Has three plugs with banana spring expansion that make positive connection with standard jack. Size $1 1/4" x 3/8" x 3/8".

<table>
<thead>
<tr>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13005</td>
</tr>
<tr>
<td>M13006</td>
</tr>
</tbody>
</table>

Armored Bakelite Microphone Connectors

No better Connectors made for use with Carbon Microphones. Bakelite throughout providing perfect insulation; spring contacts insuring positive connections. Heavy gauge Plug and Socket to prevent damage, and to lock securely. Simple to remove. Suits any connections from being pulled out. Provides settings perfectly. Vertical plug and horizontal Switch. Diameter 1 1/4". Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13401</td>
</tr>
</tbody>
</table>

50 Foot 7 Wire Shielded Microphone Cable with Heavy Cast Aluminum Locking Connectors

1/8" diameter. This cable shielded with finest grade materials, encloses 7 conductors of No. 18 copper wire, each insulated with a special rubber jacket, covered with waxed cotton. Each covering colored for easy tracing. Woven shielding of tinned fine copper wire encloses the cable, the entire cable being covered with a heavy rubber jacket, covered with waxed cotton. Each covering colored for easy tracing. Shipping weight 18 lbs. Per 50 feet.

<table>
<thead>
<tr>
<th>Your Cost per Foot</th>
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</thead>
<tbody>
<tr>
<td>M13400</td>
</tr>
</tbody>
</table>

5 Wire Condenser Microphone

This Microphone Cable combines the finest grade of rubber jacket and cotton covered fabric for each individual 3 conductors. The wire used is of the highest quality copper and the finest grade of individual copper. The rubber covering is of extremely live rubber, and is especially adapted for the microphone and all public address installations due to its extreme flexibility and ability to stand the hardest wear and tear. It is guaranteed to be oil and water proof. Furnished only in 10-foot lengths. Shipping weight 8 lbs.

<table>
<thead>
<tr>
<th>Your Cost per Foot</th>
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</thead>
<tbody>
<tr>
<td>Q16131</td>
</tr>
</tbody>
</table>

Table: 14° high, finished in Nickel and Gold. Green Stand contains Input Transformer and On and Off Switch. Case holds 50 ft. cord, Reels 20 for 2 dry cells. Suitable for amateur use. Shipping weight 2 lbs.

<table>
<thead>
<tr>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13468</td>
</tr>
<tr>
<td>Less Cells</td>
</tr>
</tbody>
</table>

Truetest Carbon Granules

Contains sufficient granules to refill one flat button microphone. Can be used to handle granules. Keeps vital tightly closed. Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13304</td>
</tr>
</tbody>
</table>

Portable Microphone Plugs

Equal to Bakelite in dielectric properties. Has three plugs with banana spring expansion that make positive connection with standard jack. Size $1 1/4" x 3/8" x 3/8".

<table>
<thead>
<tr>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>M13005</td>
</tr>
<tr>
<td>M13006</td>
</tr>
</tbody>
</table>

Armored Bakelite Microphone Connectors

No better Connectors made for use with Carbon Microphones. Bakelite throughout providing perfect insulation; spring contacts insuring positive connections. Heavy gauge Plug and Socket to prevent damage, and to lock securely. Simple to remove. Suits any connections from being pulled out. Provides settings perfectly. Vertical plug and horizontal Switch. Diameter 1 1/4". Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Your Cost Each</th>
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</thead>
<tbody>
<tr>
<td>M13401</td>
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</table>

50 Foot 7 Wire Shielded Microphone Cable with Heavy Cast Aluminum Locking Connectors

1/8" diameter. This cable shielded with finest grade materials, encloses 7 conductors of No. 18 copper wire, each insulated with a special rubber jacket, covered with waxed cotton. Each covering colored for easy tracing. Woven shielding of tinned fine copper wire encloses the cable, the entire cable being covered with a heavy black vulcanized gum rubber Compound; oil and water and proof. Shielding makes this an electro-static shield; can be used for additional conductor. Cable wound in black jacket, covered with waxed cotton. Each covering colored for easy tracing. Fitted with 7 wire coupling plugs. Used for all public address work, both in and outdoors. Shipping weight 18 lbs.

<table>
<thead>
<tr>
<th>Your Cost per Cable with Plugs</th>
</tr>
</thead>
<tbody>
<tr>
<td>M18130</td>
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</tbody>
</table>
For many years Thordarson has supplied the leading receiver manufacturers with their transformers. The design of the Thordarson Replacement Transformers has been predicated upon the experience and knowledge gained in this field. Thordarson manufacturing skill and facilities contribute to give a dependable line of transformers that can well be considered the standard of the industry. The liberal use of the basic materials in the makeup of its transformers—iron, copper and insulating materials—insures a dependable product.

Thordarson Replacement Transformers are guaranteed to be as good or better than the original transformer installed in the receiver. In order to furnish a guaranteed product no effort has been made to copy the original power transformer. Too often many of these originals fail far short of good engineering practice and to duplicate would only mean further trouble. Thordarson Replacement Transformers are designed to fit the electrical requirements of the receiver. These transformers are conservatively rated, there is no skimping, no order line ratings. High operating temperature, which means ruin to the average transformer, has been carefully avoided.

**Transformer Characteristics**

<table>
<thead>
<tr>
<th>Transformer Number</th>
<th>Primary</th>
<th>Secondary</th>
<th>Plate + Bias Volts D.C.</th>
<th>Current M.A.O.D.C.</th>
<th>No. of Tubes</th>
<th>Type of Tubes</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5601</td>
<td>T-5602</td>
<td>T-5603</td>
<td>T-5604</td>
<td>T-5605</td>
<td>T-4900/5003</td>
<td></td>
</tr>
<tr>
<td>225</td>
<td>300</td>
<td>300</td>
<td>300</td>
<td>300</td>
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</tr>
<tr>
<td>70</td>
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</tbody>
</table>

**Thordarson High Power Transformer**

This power transformer has been selected by many of the set manufacturers as standard equipment. A unit of the better type. Made to give service. A sub-panel mounting unit for heater type tubes and 245s in push-pull. It has secondaries as follows: 270 volts at 9 amperes with C.T. (245s) or 170 volts at 3 amperes with C.T. (280 fl). 270 volts at 9 amperes with C.T. (T-3560); 300 volts at 3 amperes with C.T. (T-5602). Overall dimensions, 6 1/2" x 4 1/2" x 5/8" high. Shipping weight 9 lbs.

**Thordarson T-3740**

This new Universal mounting consists of an enclosing shield frame arranged for convenient mounting. Each shield is provided with a knockout which can be easily removed with a screw driver to permit any or all leads to be brought out for above chassis wiring. Normally, the connecting leads are brought out through the base for sub-panel wiring and it is but a few minutes work for the service man to make whatever lead position changes he finds necessary. The job, when installed, presents a finished appearance.

**Trans.** | **Height** | **Width** | **Depth** |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T-5601</td>
<td>4 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>3 1/2&quot;</td>
</tr>
<tr>
<td>T-5602</td>
<td>4 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>3 1/2&quot;</td>
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<td>3 1/2&quot;</td>
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</tr>
<tr>
<td>T-5605</td>
<td>4 1/2&quot;</td>
<td>3 1/2&quot;</td>
<td>3 1/2&quot;</td>
</tr>
</tbody>
</table>

**Shipping Weight**: 12 lbs. **Your Cost**: $3.80

**Wholesale Radio Service Co., Inc., 100 Sixth Ave., New York.**
Flushing Transformers

Trusted Power Transformers truly deserve the popularity accorded them by the radio service field. As a power transformer, it is often the most important and costly part of a receiver, we have seen to it that Trusted Power Transformers possesses a higher rating than any transformers of their kind. You have the protection of a higher safety factor when using Trusted Power Transformers.

In order to secure a service organization to be profitable it must strive to satisfy its customers. With Trusted Power Transformers as replacements, your customers will be assured of long and satisfactory operation. Furnished in both flush and horizontal mountings in the large variety of sizes given below, these transformers should prove applicable to most any receiver on the market. Even power transformers of current model receivers using the '82 rectifier can be replaced with Trusted Power Transformers of the flush mounting type.

Experimenters and set builders will find in Trusted Power Transformers a solution to their long-term wants. Compactness, ease of wiring and general appearance will go far to eliminate that "home-made" look. On Flush Mounting Types, soldering lugs terminate on an insulated strip and protrude through the sub-panel. The upright Horizontal Type have lug terminals on one side and feet are provided on bases; the slight elevation permitting air circulation under cores.

The Flushing Mounts Types designed for use with the new '82 rectifier should prove ofspecial interest to those Experimenters and Set Builders wishing to make use of this latest type tube.

For Short-Wave Converters

MOUNTING AREA: 3x2-1/4". MOUNTING DIMENSIONS: 3x4-1/4".

PRIMARIES: 110 volts, 60 cycle. SECONDARIES: (1) 400 volts C.T. - 25 M. A. (2) 5 volts, 2 amps. (280 filament).

(3) 2.5 volts C.T., 3.5 amps. Shipping weight 3 lbs.

Flush Mounting Type 4C1500 Your Cost Each $1.15

Horizontal Mounting Type Same tube characteristics as above. Size 3x4-1/4x2-1/4". Mounting centers 3x4-1/8".

4C1501 Your Cost Each $1.25

4 Tube Midget Receivers

For Two 2-1/2 Volt Power Tubes and One 21/4 Volt Power Tube and One 280 or One 282 Rectifier

MOUNTING AREA: 3x2-1/4". MOUNTING DIMENSIONS: 3x4-1/4".

PRIMARIES: 110 volts 60-60 cycles. SECONDARIES: (1) 600 volts C.T. 40 M. A. (plate). (2) 2.5 volts 5 amps. C.T. (2 heater and 1 power tube). (3) 5 volts 2 amps. (one 280 filament) or 2 1/4 volts 3 amps. (one 282 filament). Shipping weight 3 lbs.

Flush Mounting Type 4C1495 Using 280 Rectifier. 4C1496 Using 282 Rectifier.

4C1497 Your Cost Each $1.25

Horizontal Mounting Type Same tube characteristics as above. Size 3x4-1/4x2-1/4". Mounting centers 3x4-1/16".

4C1502 Using 280 Rectifier.

4C1503 Using 282 Rectifier.

$1.05

5 and 6 Tube Receivers

For Three or Four 2-1/4 Volt Power Tubes, One 21/4 Volt Power Tube and One 280 or One 282 Rectifier

MOUNTING AREA: 3x4-1/4". MOUNTING DIMENSIONS: 3x4-1/2".

PRIMARIES: 110 volts 50-10 cycles. SECONDARIES: (1) 700 volts C.T. - 70 M. A. (plate). (2) 5 volts 2 amps. (one 280 filament) or 2 1/4 volts 3 amps. (one 282 filament). (3) 2.5 volts, 8.75 amps. (3 or 4 heaters and 1 power tube). Shipping weight 5 lbs.

Flush Mounting Type 4C1495 Using 280 Rectifier. 4C1496 Using 282 Rectifier.

4C1497 Using 82 Rectifier. 4C1498 Using 80 Rectifier.

4C1499 Using 110 volts, 60-60 cycle.

5 and 6 Tube Receivers

4C1504 Using 280 Rectifier.

4C1505 Using 282 Rectifier.

4C1506 Using 282 Rectifier.

Your Cost Each $1.35

Flush Mounting Type 4C1507 Using 80 Rectifier.

5 and 6 Tube Receivers

Horizontally Mounting Type Same tube characteristics as above. Size 3x4-1/4x2-1/4". Mounting centers 3x4-1/16"

4C1508 Using 280 Rectifier.

4C1509 Using 282 Rectifier.

Your Cost Each $1.50

Class B Power Transformer

For Public Address Systems - High Power - Low Cost for 7 Heater Tubes; 3-45s, and 1-83 Rectifier

The release of the Type 46 Double Grid Tube and the Type 83 Mercury Power Rectifier makes possible the construction of an amplifier that will deliver 200 watts or more of audio power at a very reasonable cost. In order that full power may be obtained with negligible distortion, it is extremely important that the power supply be carefully selected and have sufficient capacity, since the plate current of the power tubes varies over a wide range with each signal impulse. This Transformer is of the same high quality material, as is all of the Trusted Power Transformers, carefully selected with all steel core, high grade copper, insulation of the finest quality. Can be operated at its rated output without heating or any drop in voltage.

MOUNTING AREA: 4x3-1/2". MOUNTING DIMENSIONS: 3x4-3/4".

PRIMARY: 120 volt, 50-60 cycle.

SECONDARIES: 520/580 volts at 175 M. A. 5 volts C.T., 3 amps. 2 1/4 volts, 8.75 amps. 2 1/4 volts, 30 amps. Shipping weight 10 lbs. Flush Mounting Type 4C1516 Your Cost Each $4.75

Horizontal Mounting Type Same tube characteristics as above. Mounting centers 3x4-3/4"

4C1517 Your Cost Each $4.75

Special Note

For Complete Listing of Class "B" Audio Transformers and Special Chokes. It is Necessary to Use Special Audio Equipment When Constructing Class "B" Amplifiers.

www.americanradiohistory.com

Perfect Merchandise - Prompt Shipment - Personal Service
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 metal case, with a flange for mounting. Average shipping weight 8 lbs. Hook-up finished with each transformer. All have 110 volt 60 cycle primary. Average shipping weight 8 lbs. Refer to list below for our stock number.

<table>
<thead>
<tr>
<th>Chassis</th>
<th>Tubes Used (1-80, and)</th>
<th>Philco Part No.</th>
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<tbody>
<tr>
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<td>3-24s; 1-27; 2-71A</td>
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<td>2-24s; 1-27; 2-45s</td>
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<td>2-24s; 1-27; 2-45s</td>
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<td>2-24s; 1-27; 2-45s</td>
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<td>2-24s; 1-27; 2-45s</td>
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<tr>
<td>111-211</td>
<td>2-24s; 1-27; 2-45s</td>
<td>C1964</td>
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Shipping weight 7 lbs. A227 — Your Cost Each $2.25

Bosch Power Transformers

Model 28
This is the original Bosch power transformer as used in the above model receivers. Also adaptable for use following the tubes: 4-24s; 1-27; 2-71As and 1-80. Shipping weight 8 lbs.

C2254 — Your Cost $3.95

Model 29—825
Similar in appearance to above, for sets using 4-26s; 1-27; 1-10, and 2-81s. Shipping weight 11 lbs.

C2346 — Your Cost $4.20

Bosch
Model 48
Built according to the specifications of the original. For sets using 3-24as; 1-27; 2-45s, and 1-80 tubes. Shipping weight 10 lbs.

C2260 — Your Cost $3.65

Model 58
Similar in appearance to above, for sets using 4-24s; 1-27; 2-45s, and 1-80 tubes. Shipping weight 10 lbs.

C2261 — Your Cost $3.65

Model 60
Similar in appearance to above, for sets using 3-24as; 1-27; 2-45s, and 1-80 tubes. Shipping weight 13 lbs.

C2262 — Your Cost $3.75

Model 49 25 cycle
An exact duplicate of the original replacement. Utilizes 4-28s; 1-27; 1-10 and 2-81 tubes. Shipping weight 12 lbs.

C2248 — Your Cost $7.95

Sparten 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 Sparten Receivers. These are not surplus and should not be confused with units selling at a lower price.

Models AC-7, 62 and 63
Sparten Nr. B-1454
Official replacement for the above Sparten models, using 6-C-48s; 2-C-183s, and 1-C-280s. Shipping weight 7 lbs.

A229 — Your Cost $2.30

Model 69, 79, 79-A and 89
Sparten Nr. B-1938
Identical in appearance to above transformer. Utilizing 6-48s; 1-C-285 and 1-C-280s. Shipping weight 7 lbs.

A230 — Your Cost $3.54

Model 930
Sparten Nr. B-2249
Identical in appearance to above. Utilizing 6-C-48s; 485s; 2-C-185s or 183s, and 1-C-280 tubes. Shipping weight 7 lbs.

A232 — Your Cost $1.95

Models 589, 591, 593, 931
Sparten Nr. B-2339
Replacement for the above models utilizing 6-C-48s; or 485s; 2-C-182s or 183s, and 1-C-280 tubes. Shipping weight 10 lbs.

A235 — Your Cost $1.35

Model 301, 504, 570, 750
Sparten Nr. B-2538
Similar in appearance to above transformer. Utilizing 7-C-48s or 485s; 2-C-58s or 586s, and 2-C-281s. Shipping weight 10 lbs.

A235 — Your Cost $7.06

Models 600, 610, 620, 737
Sparten Nr. B-2794
Similar in appearance to above transformer. Utilizing the following tubes: 7-C-48s or 485s; 2-C-185s, and 1-C-280. Shipping weight 10 lbs.

A236 — Your Cost $3.95

Model 89-A
Sparten Nr. C-292
Replacement power transformer for the above receiver. Utilizing, 6-C-48s or 485s; 2-C-58s or 586s, and 2-C-281s. Shipping weight 8 lbs.

A237 — Your Cost $6.50

Model 109
SPARKS Ensemble and Deluxe
Sparten Nr. C-357
Identical in appearance to above. Utilizing 6-C-48s; 2-C-58s, and 2-C-281s. Shipping weight 8 lbs.

A237 — Your Cost $7.05

Models 101, 110, 111, 574 and 870
Sparten Nr. C-374
Identical in appearance to above. Utilizing 6-C-18s; 2-C-58s, and 2-C-281s. Shipping weight 8 lbs.

A235 — Your Cost $7.40

Genuine Zenith Power Transformer
No. 95-38
For Models 31, 33X, 34, 243, 252-A, 10 Power Unit
Supplies filament and plate voltages for the following tubes: 5-27s, 24s, or 38s; 1-71As and 1-80. Delivers 220 to 240 volts D. C. at 50 mAs, using 2 and 4 mfd condensers respectively in the filter circuit. If 160 ohm choke is used ahead of the condenser, the D. C. voltage will be approximately 190. Size 43x14x5-3/4. Shipping weight 7 lbs.

A227 — Your Cost Each $2.25

ZENITH
ZE-50, ZE-60
ZE-70
An exact duplicate of the original Zenith No. 89-67 Replacement Power Transformer used in the above model receivers. Furnishes filament and plate voltages for the following tubes: 3-24s; 3-27s; 2-45s; and 1-80. Shipping weight 9 lbs.

C1950 — Your Cost $4.10

Super-Het. Models 10, 11, 12
For sets utilizing 4-24s; 1-27; 2-45s, and 1-80 tubes. Shipping weight 11 lbs.

C1951 — Your Cost $2.65

Model 102, 112, 122
Same tubes as above, 25 cycle operation. Shipping weight 14 lbs.

C1952 — Your Cost $3.75

Zenith Models 91 and 92
An exact duplicate power transformer of the Original Zenith No. 96-100 replacement. Has three 2-1/4 volt windings; 1 for 6 heater tubes; 1 for 1 heat- tube (AVC) 1 for 2 power tubes; one winding for 8-4 volt Mazda lamp. Shipping weight 9 lbs.

C1953 — Your Cost $4.95

Zenith Plate Transformer ZE-18
Power Unit
Models 35PX, 35APX, 37-A
Part No. 95-61
High voltage winding and 7-1/4 volt winding for 2-61s. Has mounting bracket for choke like the original part. Shipping weight 8 lbs.

C1953 — Your Cost $3.75

Model 29—825

Model 58

Model 60

Model 49 25 cycle

Zenith Power transformers

For additional Philco Power Transformers see page 84.

Your Cost — any of the above $2.75

WHOLESALE RADIO SERVICE CO., INC. 100 Sixth Ave. New York

www.americanradiohistory.com
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 8V-676 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 1968; 1-71A; and 2-81s, as rectifiers. For replacement use only the Genuine Part. Our quantity is limited. Shipping weight 8 lbs.

C2157—Your Cost. $5.95

Radiola Model 41
These are the genuine RCA power transformers for use with this receiver. Supplies filament and plate voltages for 2-87s; 1-45s; 1-80s. There are two types of power packs used with this set. For STERLING PACK, mounted in heavy cardboard container. RCA No. 8399. Shipping weight 9 lbs.

C2159—Your Cost. $4.50

For RECEPTOR PACK, mounting brackets. RCA No. 8406. Shipping weight 7 lbs.

C2190—Your Cost, Either Type. $4.50

Radiola Models 42 and 48
Victor Models 14, 15, 17
Westinghouse Model WR-4
General Electric Model T-41
Graybar 678, RC-3

The genuine RCA power transformers for the above receivers, utilizing 4-24s; 2-45s; 2-87s; and 1-80 tubes. Brand new and guaranteed. RCA part No. 8609. Shipping weight 9 lbs. 110 volt, 60 cycle.

C2155—Your Cost. $1.65

For 120 volt, 25 cycle operation. Shipping weight 11 lbs.

C2143—Your Cost. $3.95

We carry the most complete stock of Genuine RCA-Radiola RCA-Victor Replacement Parts. These Replacement Parts cover from part stock, batteries, and electric receivers up to and including their current models. We will be pleased to quote on any item that you may require.

Genuine Radiola Power Transformer for RCA Models 64, 67
Victor Models 9-18, 9-54

This is the brand new Genuine RCA Radiola Power Transformer for the above models. They were manufactured by Westinghouse for replacement in these receivers. It is practically impossible to manufacture a replacement for these receivers at a price below what we are asking. For 8-27s, 1-45s and 1-80. Shipping weight 25 lbs.

C2157—Your Cost. $9.40

For 110-120 volt, 25 cycle. Shipping weight 29 lbs.

C2198—Your Cost. $14.45

RCA Victor Models R-11, 18 and 18-A, RAE-26, R-21
General Electric K-62
Graybar Model GB-9

Original replacement power transformer for the above receivers. Supplies plate and filament voltages for the following tubes: 5-27s; 2-45s; 2-47s; 1-110 volt, 50-60 cycle. Shipping weight 9 lbs.

C2189—Your Cost. $3.95

RCA Victor R-7 “Superette”
General Electric S-22
Graybar 8 Midget

Similar in appearance to above. An exact duplicate of the original transformer. Supplies filament and plate voltages for the following tubes: 6-27s; 2-24s; 2-45s; 2-46s; 1-110 volt, 50-60 cycle. This transformer is made from the finest quality merchandise. Shipping weight 7 lbs.

C2187—Your Cost. $1.90

RCA Victor Models R-50, R-55, RE-20, RAE-59 and RAE-79
General Electric H-32, H-72
Graybar Model GB-100

Original replacement. Supplies voltages for heater tubes. Shipping weight 15 lbs.

C2198—Your Cost. $3.95

RCA Models 17, 18, 33, 50, 51;
Brunswick 2KRO, 3KRO, 3KRb, 5KR, 5KRO, 5KRb; 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 4-24s; 1-27; 1-71A and 1-80. For 50-60 cycle operation. Shipping weight 9 lbs.

C2156—Your Cost. $1.75

For Radiola Models 60 and 62

Graybar Model 340

C2153—Your Cost Each. $2.75

Same as above, except for 25 cycle operation. Shipping weight 12 lbs.

C2191—Your Cost. $4.45

Graybar Model 66
RCA Auditorium Phonograph

Graybar Model 600

C2154—Your Cost. $3.50

Same as above, except for 25 cycle operation. Shipping weight 15 lbs.

C2193—Your Cost. $4.95

Radiola Models 80-82-86
Graybar Models 700-770-900
General Electric 31-51-71
Westinghouse Models WR 5-6-7

Genuine replacement power transformer. Identical to above in appearance. For the above receivers, utilizing 4-24s; 2-27s; 2-45s; 2-46s; 1-110 volt, 50-60 cycle. RCA part No. 8556. Shipping weight 18 lbs.

C2156—Your Cost. $1.75

Same tube combination as above.

C2195—Your Cost. $1.75

We carry the most complete stock of Genuine RCA-Radiola-RA-Victor Replacement Parts. We will be pleased to quote on any item that you may require.
Plate Transformers 70 Series
7 BP 6 Power Packs
(1) Brand new, made by Majestic. Part No. 67. Shipping weight 6 lbs.
$90

C2104—Your Cost

Filament Transformer for 70 Series
7 BP Power Packs
(1) Similar in appearance to above, Original Majestic part No. 61. Brand new. Shipping weight 6 lbs.
$90

C2105—Your Cost

Filament & Plate Transformer 90 Series
90 Series 9 BP 6 Power Packs
(2) Original Majestic Part No. 436. Brand new and guaranteed. Shipping weight 8 lbs.
$2.90

C2106—Your Cost

Choke for 70 Series
7 BP 6 Power Pack
(3) Original Majestic Part No. 66. Brand new and guaranteed. Shipping weight 8 lbs.
$95

C2107—Your Cost

Double Choke for 150 Series
8 P6 Power Pack
(3) Similar in appearance to above. Original Majestic Part No. 626. Shipping weight 8 lbs.
$95

C2108—Your Cost

Double Choke for 90 Series
9 P6 Power Pack
(3) Similar in appearance to above. Original Majestic Part No. 261. Shipping weight 8 lbs.
$1.25

C2109—Your Cost

Push-pull Output Transformer Majestic 70 Series
Made for use in Edison Models R-6, R-7. Has terminal arrangement like the original, also same in size and mounting. Utilizing: 3-34s; 3-27s; 2-45s; and 1-60 tubes. Brand new and guaranteed. Shipping weight 1 lbs.
$3.95

C2110—Your Cost

Push-pull Output Transformer Majestic 90 Series
Same appearance as above. Original Majestic Part No. 134. Shipping weight 3 lbs.
$75

C2111—Your Cost

By-pass Condenser Majestic 70, 90, 180 Series
(5) By-Pass condenser, .5 & mfd. Original Majestic Part No. 717. Shipping weight 1 lbs.
$19

C2112—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. Shipping weight 7 lbs.
$2.85

C2113—Your Cost

Edison Models R-6, R-7
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 x 3 1/2 x 1 1/2.
$3.95

C2114—Your Cost

Stewart-Warner Power Transformer for RCA 104 Power Speaker
Models 30 and 32 and Victor Panatropes Designed for use with UV786 or UV886 ballast tubes in the primary. Ideal for power amplifiers and transmitters. 3/4 volt at 3 amps. c.t. 71/4 volts at 1 1/4, high voltage 1100 c.t. at 200 mils. Can be used with a 30 ohm, 100 watt resistor in place of ballast tube. Size 6x4x7/8. High voltage weight 15 lbs.
$1.85

C2115—Your Cost

WholeSale RadiO Service Co., Inc. - 100 Sixth Ave, New York
Freshman Replacement Power Transformers


For "Q" Receivers
C2263 - 60 cycle
Your Cost $ 1.95
C2273 - 25 cycle
Your Cost $ 4.95

For "OD" Receivers
C2264 - 60 cycle
Your Cost $ 3.95
C2274 - 25 cycle
Your Cost $ 5.45

"HFL" Power Transformer
Universal Replacement
For 7 Tube Receivers
100-130 V. or 220-240 Volt
25 to 60 Cycle

Designed for use with "HFL" receivers, but due to the flexibility of the windings and voltage input, it can be used for most any type of circuit requiring a flush mounting type transformer. Supplies filament and plate voltages for 4 heater tubes, 2 power tubes, and 1-60 volt C. T. 100 MA. Mounting centers, 3/4". Shipping weight 10 lbs.

C2282 - Your Cost $ 2.75

Genuine Earl and Fred Power Transformers

These are the genuine Power Transformers used in the receivers below.

Earl Models 21 and 22
Freed Models 55 and 56

Utilizing, 3-25a; 2-27a; 2-71A and 1-80 tubes. Shipping weight 6 lbs.

C2286 - Your Cost $ 2.90

Earl 24, 31, 32, 33 and 41
Freed 65, 78, 79, 90 and 95

Utilizing, 2-27a; 2-45a; and 1-80 tubes. Shipping weight 8 lbs.

C2287 - Your Cost $ 3.95

Transformer Coil
With Terminal Strip

Earl Models 24, 31, 32, 33 and 41
Freed Models 65, 78, 79, 90 and 95

The genuine Transformer Coll. to be assembled with laminations of old power transformer. Shipping weight 4 lbs.

C2288 - Your Cost $ 1.95

Kolster Models 6J and 6K
An exact duplicate power transformer of the original part. Supplies filament and plate voltages for 4-25as and 1-27, 2-71A and 1-80 tubes. Shipping weight 5 lbs.

C2065 - Your Cost $ 4.45

Kolster International K-60 and K-70
Replacement power transformer that will fit the old tubes exactly. Supplies filament and plate voltages for the following tubes: 6 heater tubes; 1-47 and 1-80. Shipping weight 8 lbs.

C2067 - Your Cost $ 4.25

Fried-Eisemann Models Nr.-57 and Nr.-60

Replacement for the above models. Power transformer supplies filament and plate voltages for the following tubes: 7 heater tubes; 1-71A and 1-80 tubes. Shipping weight 6 lbs.

C2289 - Your Cost $ 3.95

Atwater-Kent Models 37-38

For replacement in the above receivers; this transformer is guaranteed to give satisfaction. Built to the lines of the original, except with a larger safety factor. Utilizes the following tubes, 1-25a; 1-71A; 1-80; Size, 8x3/4x4 1/4". Shipping weight 9 lbs.

C2255 - Your Cost $ 1.50

Atwater-Kent Models 55-55C

This transformer is the identical to the original A. K. part. Utilizes the following tubes, 2-25as; 2-27a; 2-45s; and 1-80. Shipping weight 11 lbs.

C2250 - Your Cost $ 3.70

For Models 60 and 60C

Similar in appearance to above transformer. Shipping weight 11 lbs.

C2246 - Your Cost $ 3.70

Plate Transformer Model 66

Consists of a high voltage winding to furnish plate voltage to 5 heater tubes, and 2-50s. Shipping weight 10 lbs.

C2244 - Your Cost $ 5.25

Filament Transformer

Similar in appearance to above. Supplies filament to 6 heater tubes, 2-50s and 2-81s.

C2245 - Your Cost $ 3.75

8 Tube Power Transformer
115 Volt - 60 Cycle

Will supply filament and plate voltages for 5 heater tubes, 2 power tubes (45's or 47's), and one 280 rectifier. Can be used as a general replacement or for the new set builder. Size, 3 1/4x4x3 1/4", mounting centers, 3 1/2x3 1/2x3 1/2". Shipping weight 7 lbs.

C1761 - Your Cost Each $ 1.75

10 Tube Power Transformer
115 Volt - 60 Cycle

Similar in appearance to above, except for 10 tube receivers. Will supply filament and plate voltages for the following: 7 heater tubes, separate winding for 2 power tubes (45's or 47's), and one 280 rectifier. Mounting type, size, 3 1/4x4x3 1/4", mounting centers, 3 1/2x3 1/2x3 1/2". Shipping weight 8 lbs.

C1762 - Your Cost Each $ 2.25
**POWER TRANSFORMERS**

Jefferson Power Compact With Heavy Duty Choke

For 5"-27A; '24$ or '35"-'45$, and 1-80

Consists of a standard Jefferson power transformer and a heavy duty choke sealed in a compact metal container. 110-120 volts, 50-60 cycle. 700 volts, high voltage at 110 long, 3½" wide, 5½" deep. Bottom brackets for convenient mounting. Shipping weight 19 lbs.

C1710 — Your Cost Special $2.45

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**Steinite Models**

40, 40-A, 405, 45-A

An exact duplicate of the original Steinite power transformer. Utilizing 5-27A; 2-71As and 1-80. Shipping weight 10 lbs.

C2276 — Your Cost $3.40

---

**220 Volt to 110 Volt Step-Down Transformer**

A dependable transformer for use in stepping 220 volts down to 110 volts. Fully shielded with 6 foot heavy lamp cord for 220 volt line, and flush receptacle for 110 volt side. Size, 3½ x 4 x 5½" high. Mounting centers, 2½ x 3½". Shipping weight 9 lbs. For Receivers and Appliances drawing up to 160 watts.

C1968 — Your Cost $2.95

For use with Midget Receivers, Dynamic Speakers, or any other 110 volt appliance that draws up to 80 watts. Shipping weight 6 lbs.

C1969 — Your Cost $2.15

---

**Radiant Variable Step-Down**

200-250 Volts to 110-120 Volts

Variable primary. Size 3½ x 3½ x 4" high. Mounting centers 1½ x 3½", 16" lamp cord with female receptacle for 110-120 volt outlet, 5 ft. lamp cord with male plug for 200-250 input. 160 watts. Shipping weight 9 lbs.

C1797 — List $7.50.

Your Cost $4.40

---

**Replacement Power Transformers**

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<td>66 Filament Transformer</td>
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<td>66 Plate Transformer</td>
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**WHOLESALE RADIO SERVICE CO., INC. • 100 Sixth Ave., New York**
### Replacement Power Transformers Continued

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### General Motors

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### Gulbransen

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### Knight

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<p>| Replacement Part Headquarters for Dealers and Service Men | <a href="http://www.americanradiohistory.com">www.americanradiohistory.com</a> | 83 |</p>
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<td>48 and 46, 50 cycle.</td>
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Power Transformer Repair Service

Remanufactured in Every Detail

Where there is not available from our stock for replacement, TRUSTEST REPAIR SERVICE is recommended for any make or model of receiving set.

Send in the defective transformer, we will rebuild it in every detail as when it was originally installed in the set. Laminations and original casing will be used, coils will be completely rewound with the very best grade of copper and insulations. Mechanically and electrically, the transformer will reach you in the original state as when new, except a higher safety factor, concerning the coil itself, will be allowed.

The rebuilding of these transformers is done under the supervision of experienced transformer Engineers, they are checked and put under actual load before shipping.

Send the old transformer prepaid by express or parcel post, specify on your order, name and model number of set, giving exact tube combination. Be sure your name and address is on the package.

**PRICE LIST**

Guaranteed Like Original

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<tr>
<th>Tube Combination</th>
<th>Your Cost</th>
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Transformers using Raytheon tube in place of 280 or 281, 25c less than above prices.

Trustom Universal Replacement Power Transformers

Built for Extra Heavy Duty Service

The most complete line of universal replacement power transformers, with flexible tube combinations and adjustable mounting frames that permit an adequate range of mounting adjustments for all practical purposes. They are so ingeniously designed and so expertly built that there is hardly a receiver of standard make that can not be honestly and economically serviced by means of one of these types listed on this page. We say honestly because we know their electrical characteristics to be right by actual use, and because we know them to be a quality product of a reputable manufacturer.

For efficiency, durability and stability under general operating conditions, these transformers are unsurpassed. You are prepared for any emergency by carrying one or two of each of these types on your shelves at all times. Each such enables you to service over 250 different sets on short notice. The very finest grade of copper, insulation and steel is used in the manufacture of these products. No skimping, no border line ratings. Especially built oversize to afford a large safety factor. Equipped with soldering lugs mounted on a fibre strip.

**Physical Dimensions**

For 5-227's, or 224's, 1-245 or 247, 1-280: Primary: 110 volts 50-60 cycles. Secondary:(1) 700 volts C. T. 70 M. A. (plate) (2) 5 volts C. T. 2 amps. (1-280 filament) (3) 2.5 volts C. T. 1.5 amps. (1-247 or 247 filament) (4) 2.5 volts C. T. 8.75 amps. (6-227's or 247's filament). Shipping weight 6 lbs. 110 volts 50-60 cycles. **C1477—Your Cost $2.20**

For 110 volts 25 cycles. Shipping weight 10 lbs. **C1467—Your Cost $3.95**

For 7-227's, or 224's, 2-245's or 247's, 1-280: Primary: 110 volts 50-60 cycles. Secondary:(1) 700 volts C. T. 110 M. A. (plate) (2) 5 volts C. T. 2 amps. (1-280 filament) (3) 2.5 volts C. T. 3 amps. (2-245's or 247's filament) (4) 2.5 volts C. T. 12.25 amps. (7-227's or 247's filament). Shipping weight 8 lbs. 110 volts 50-60 cycles. **C1475—Your Cost $2.85**

For 110 volts 25 cycles. Shipping weight 15 lbs. **C1465—Your Cost $4.50**

We carry in stock at all times, a most complete line of every type and style of power transformers. Special power transformers, requiring different type windings, can be supplied at a most reasonable cost, to your own specifications. We will be pleased to quote on large quantities to jobbers and set manufacturers.

Sparton, Cardon or Kellogg Type Tubes

5 or 6-484s or 401; 2-11a r C182B; ~70's; 6 or 7-484s; 2-50s; 2-81s.

For Transformers in wax or pitch, a charge of 50c is added. High voltage transformers for radio sets, which consist only of rectifier filament and plate supply windings. On these the price can be estimated from $2.00 to $3.00.

www.americanradiohistory.com
Miscellaneous Transformers and Chokes

**Trutest Tube Tester**

Filament Transformer

1½, 2½, 3, 5, 6, 3, and 7½ volts: $1.25

A high quality filament transformer for replacing units in standard tube testers. Voltages for all types of tubes including battery tubes and new auto tubes. Very compact in size, no larger than an audio transformer. Color-coded flexible leads. Primary tapped at 108, 115 and 126 volts, 60-60 cycle. Secondary is single winding with the correct voltages tapped. 1½, 3, 6, 7½ inches. Mounting centers, 3½ inches. Shipping weight 3 lbs.

C1967 - Your Cost $1.45

**Trutest Filament Transformer**

2½ volts at 10½

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. 120 volt primary. 1000 volt insulation. Size 5×2½×3½. Shipping weight 3 lbs.

Your Cost $1.05


C2387 - Your Cost Special 95¢

Same as above, except 2½ volts at 1½ amperes. Uncased.

C2388 - Your Cost 85¢

**Power Transformer for Apex Models 29-31 Series Montgomery-Ward Models 1035, 1037, 1065, 1067.**

The original replacement transformer for and changer. 2½ volt winding for 5 heater and 2 power tubes, 5-volt for 280 tube, and high voltage winding. 120-volt, 60 cycle primary fully shielded. Brand new. Shipping weight 10 lbs.

C2232 - Your Cost $4.25

**Power Transformer and Choke for Knight Model 8/9.**

An exact duplicate of the original. Complete with power transformer and filter choke. Designed to afford a high safety factor and will operate the required number of new tubes. Shipping weight 13 lbs.

C2761 - Your Cost $4.25

**Stromburg-Carlson Filter Inductor Assembly for Models 641-642-652-654.**

An exact duplicate of the original Stromburg-Carlson replacement part. Combines two filter chokes, tapped, in one container. Shipping weight 6 lbs.

Your Cost $3.25

G. E. Step-down 220 Volts to 110 Volts - or to Step-up 110 Volts to 220 Volts

G. E. Auto Transformer for reducing 200-220 A.C. to 110-120 A.C. or increasing 110-120 A.C. to 200-220 Volts. Ideal for operating 110-volt radio or electrical equipment in the 220-volt line. Has many uses in the experi-

C2259 - Your Cost, Special $1.95

**Philco 4 Tube Midget Power Transformer**

An exact duplicate of the original. Part No. 7421. Primary 100-125 V, 60-60 cycle, 5 V, at 2 amps. High voltage C.T. and 6.3 V for heater and power tubes. Shipping weight 4 lbs.

C1550 - Your Cost $1.65

**Grebe SK-4 Power Transformer**

A quality replacement power transformer that will exactly replace the original. Part No. 21. Primary is 110-120 volt, no ballast required when using this replacement. Supplies filament and plate voltages for the following tube types: 2, 46, and 1, 80. Shipping weight 11 lbs.

C2335 - Your Cost $3.95

**Kolster Double Choke**

For Kolster Models, 6F, 6J, 6K, 6K1, 9K2, 22K, 23K, K27, 23K7, 3035, 3037, 3065, 3067. For Apex Models 29 and 31 Series Power Transformer and Filter. Shipping weight 5 lbs.

C2063 - Your Cost $1.75

**Freed and Earl Double Choke**

Double Choke Units for Freed Models 55, 56, 78, 79, 82, 65, 63 and 92, also for Earl-21, 22, 31, 32, 31S, 32-S, and 41. Can be used with any filter circuit as they are 50 henry, 100 M.A. at 400 ohms. Size 4½×3×3½, Shipping weight 3 lbs.

C2393 - Your Cost $90

**Fried-Eismann Double Choke**

Identical to above in appearance, except has terminal strip for connections. For Models HR-40, NR-7F, NR-7A, NR-90. Same size and shipping weight.

C2391 - Your Cost $90

**General Purpose Power Transformer 5-227S, 2-171AS, 2-180.**

Can be used in Balke A1, A5, A7; Fada 16, 17, 20, 22, 23, 20, 21, 71, 72; Crosley STD and Eveready 30 Series, and Steinde 40-A, 45-B. 2½-volt winding for 227S, 5-volt winding for 2-171AS, 5-volt winding for 2-180. 280-290 volt at 60 MA. 120-volt primary. 14½×3½ inches, Soldering lug terminates on an insulated strip. Shipping weight 7 lbs.

C1315 - Your Cost $2.45

**‘B’ Eliminator Transformer**

A popular replacement unit for all "B" Eliminators, 5-volt winding for 80 tube and 500-volt winding for 280 tube. Has many uses. ideal for operating 110-volt radio or electrical equipment in the 220-volt line. Has many uses in the experi-

C2259 - Your Cost, Special $1.95

**Universal Replacement Power Transformers**

Here is a line of Universal Replacement Power Transformers that will meet the demand of the service man for a quality product at a low price. They have the Universal Mounting C.C. and C.T. bracket, also a mounting in place of the shield type transformers, by removing the bracket on the side with the replacement lug. The materials and workmanship is of high quality. Electrostatic shield. Diagram of hook-up furnished.

4, 5, and 6 Tube Sets

2.5 volts, 5½ amperes, C.T. for heater tubes. 2.5 volts, 3 amperes C.T. for power tubes. 5 volts, 2 amperes for 280 tube. 330-330 volts, 60 M.A. high voltage shield grounded to core. Primary 110, 60 cycle. Size 2½×8×6¾. Shipping weight 6 lbs.

C1470 - Your Cost Each $1.70

7, 8, and 9 Tube Sets

2.5 volts, 9½ amperes, C.T. for heater tubes. 2.5 volts, 3 amperes C.T. for power tubes. 5 volts, 2 amperes for 280 tube. 330-330 volts, 75 M.A. high voltage shield grounded to core. Primary 110, 60 cycle. Size 2½×4½×6¾. Shipping weight 7 lbs.

C1469 - Your Cost Each $1.90

8 and 9 Tube Receivers Universal Replacement

For 6 Hetero Transformers, 2-45s or 47s and 1-806.

This is ideal for general replacement work, it has been used in many of the electric receivers. Can be installed in any tube radio or right or inverted position. 370-375 volts at 2.5 volts, 3 amperes for 9 volts; 2.5 volts at 3 amperes for 9 volts. For 105-120 volt, 50-60 cycle primary. Size 4½×4×7¾, high, mounting centers, 2½×2½. Shipping weight 9 lbs.

C1483 - List Price $8.00

Your Cost $4.25

Same as above, except for 220 volt, 50-60 cycle operation. Shipping weight 10 lbs.

C476 - Your Cost $4.25

Same as above, except for 105-120 volt, 25 cycle operation. Shipping weight 10 lbs.

C1478 - Your Cost, Special $3.95

**Steinde Replacement Power Pack Models 261, 262.**


8542 - Your Cost, Special $5.85
Genuine CROSLEY PARTS

Power Transformer
No. W-22356 for Model 122
Genuine Crosley Re- Replacement Power Transformer. Supplied fil- plate and plate voltages for the following tubes: 2-36, 3-245; 1-127 and 1-180. Mounts inverted with leads brought out to a terminal strip with soldering lugs. Shipping weight 11 lbs.
C1897 — Your Cost $2.10

For Models 27 and 48
Original transformer designed for use in the above model receivers employing the following tubes: 2-245, 2-224a, 2-121 and 2-1180. This transformer is ideal for re- placement work, being compact in size, shielded and provided with leads for direct wiring. For 110-120 volt, $0.60 cycle operation. Shipping weight 6 lbs.
C1894 — Your Cost $1.30

For Model AC-7
Crosley part No. 4299. May also be used in sets employing 4-26s: 1-217, 1-71A, and Raytheon rectifier tubes. Size, 1 x 1/4 x 3/4 inches. Shipping weight, 7 lbs.
C1890 — Your Cost Each $1.45

For Power Converters 104-R and 105-R
C1891 — Your Cost Each $1.65

For Models 30-S, 31-S, 33-S and 34-S
Crosley part No. 6682. Original power transformer for above sets. May also be used in other sets using 2-26s, 2-27s, 2-45s and 1-180. Size 1/4 x 3/4 x 3/4 inches. Shipping weight 6 lbs.
C1882 — Your Cost Each $1.45

For Model 608
Crosley part No. 5145. 3-26s, 1-27, 1-71A and 1-180. Size 3 1/2 x 2 1/8 x 2 1/4 inches high. Shipping weight 6 lbs.
C1884 — Your Cost Each $1.90

For Models 704-B and 706 Showbox
Crosley part No. 5115. Shipping weight, 6 lbs.
C1850 — Your Cost Each $1.75

1st Stage Audio and P. P. — Input Transformer Assembly
For Models 41-A, 42, 704, 706
An exact duplicate of the original Crosley replacement part No. 5318. Consisting of 1st Stage Audio Transformer and P. P. Input Transformer. No changes necessary to install this unit. A quality replacement in every respect, brown lacquer finish, equipped with spade bolts, ready for mounting, fits the chassis mounting holes. Hook-up diagram furnished with each unit. Size, 2 1/4 x 3/4 inches high. Shipping weight, 5 lbs.
C1892 — Your Cost Each $2.25

Double Audio for Model 608
Identical in appearance to above. Crosley Ordinary size 35 inch replacement. Two transformers in one can. Shipping weight, 3 lbs.
C1880 — Your Cost Each $1.59

P. P. Input Transformer
Models 60-S, 61-S, 62-S, 63-S
C1885 — Your Cost Each $1.25

Similar in appearance to above. Straight Push-Pull Input Transformer. Crosley part No. 6690. Shipping weight, 2 lbs.
C1849 — Your Cost Each $95

P. P. Input and P. P. Output Choke for Model 804
Crosley replacement Part 5670, push-pull input and push-pull output choke in one container. This is an exact duplicate of the original part. Shipping weight 3 lbs.
C1847 — Your Cost Each $2.45

Type "B" Audio
Crosley part No. 200-R. Ratio 4:1. Used in Crosley Pup. Easy to mount; an ideal general replacement audio. Black enamel case. Size 1 1/4 inches wide, 2 1/4 inches long, 2 1/2 inches high. Shipping weight, 2 lbs.
C1876 — Your Cost Each $35

Type "C" Audio
Crosley part No. 201-T. Ratio 9:1. Used in Crosley "Pup." Black enameled case. Similar in appearance to above, 2 1/2 inches long, 1 3/4 inches wide, 2 1/4 inches high. Shipping weight, 2 lbs.
C1877 — Your Cost Each $35

Model 704-A
Crosley part No. 4905. Shielded in metal case. May also be used in other sets using 4-26s: 1-27, 2-71A's, 1-180. Size 1 1/4 x 3 1/8 inches high. Shipping weight 9 lbs.
C1846 — Your Cost Each $1.95

Model 704
Crosley part No. 4715. Identical in appearance with above set. 4-26s, 1-27, 1-71A and 1-180. Size 4 1/4 x 4 1/4 inches high. Shipping weight, 5 lbs.
C1887 — Your Cost Each $1.95

CROSLEY COILS ARE THE GENUINE CROSLEY REPLACEMENTS FOR ANY R. F., A. C., AND R. F. PARTS. THEY ALSO CAN BE USED IN OTHER SETS. IDEAL FOR THE NEW SET BUILDER.

HIGH GAIN TUBE CHANGERS

YOUR CHOICE OF ANY OF THE FOLLOWING COILS.

Shipping weight, any coil, 1 lb.
Models 20, 21 and 22

Model 804 JEWEL BOX
C1857 — Antenna Coil No. 5761
C1858 — R. F. Coil No. 5762
Models 53, 54, 57, 77 and 91
C1862 — Antenna Coil No. 2944
Model 401 BANDBOX JR.
C1863 — Antenna or R. F. Coil No. 4201
Models 602, 704-A and 704-B
C1860 — R. F. Coil No. 4896
Model 705 showbox
C1853 — R. F. Coil No. 5428
Models 608, 706, 41-A, 42, GEMBOX
C1859 — R. F. Coil No. 4880
Models 609 and 610 GEMBOX
C1864 — R. F. Coil No. 5872

30 H Filter Choke
Models 41-A, 42 and 804 Jewel box
Crosley part No. 4895. Used as filter choke in above sets or other sets requiring choke of 350 ohms D. C. resistance at 60 cycles. Shipping weight, 2 lbs.
C1870 — Your Cost Each $39

Filter Choke
For D. C. Showbox
C1871 — Your Cost Each $75

Double Filter Choke
30-H — 80-M.A.
Crosley part No. 5436. Double choke in one can. 30 hen- ries each at 80 m. a. 150 ohms, D. C. resistance, each section. Brown enameled case. Size 3 1/4 x 2 1/4 x 2 1/4 inches high. Shipping weight, 9 lbs.
C1881 — Your Cost Each $69

Audio for Showbox Jr.
Crosley part No. 4065. Original Audio used in Bandbox Jr. 401, 401A, 601, 704 and 704A. Natural aluminum case. Size 2 1/4 x 1 1/4 x 2 1/2 inches high. Shipping weight 2 lbs.
C1872 — Your Cost Each $35

Detector Choke
Crosley part No. 3490. Used in Crosley A. C. power unit for Model A. C. T. transformer. 1000 ohms D. C. resistance, 100 hen- ries. Size, 2 3/4 ins. long, 1 1/4 ins. wide, 1 1/4 ins. high. Shipping weight, 2 lbs.
C1873 — Your Cost Each $95

Plate Choke Plate
Crosley part No. 3325. Used in plate choke plate assembly in A. C. receiver to substitute for Model A. C. 7 tube. 1800 ohms D. C. resistance. Size, 2 1/4 ins. long, 1 1/4 ins. wide, 2 1/4 ins. high. Shipping weight 2 lbs.
C1874 — Your Cost Each $95

We Will Not Knowingly Be Undersold

www.americanradiohistory.com
CIS’S — YOUR COST
finish. Size 33” x 32½”. Shipping weight 3 lbs.

Coils are layer wound, carefully tested, and failure traceable to coil design and material. Freedom from the perplexing hum caused by even a slight irregularity in these respects is achieved by the use of push-pull design, in core laminations and coil structure. Maintenance of such exacting standards of material and workmanship is possible through our policy of direct result of intelligent design, unusual care in manufacture, and selection of high quality material. Special high grade steel is used in the core laminations and a coil structure is employed which provides low distributed capacity, low capacity coupling, and a high coupling factor.

In all cases where center-tap connections are employed there are sections or coils and never from within the winding. Sections and coils are so arranged as to give absolute magnetic and inductive symmetry and balance. Trutest Audio equipment offers a number of definite advantages in design, material and workmanship. Amplification curve is practically flat, and wave form distortion entirely absent.

Interstage Audio Transformers

These units are for use in large concert hall amplifiers, public address systems as well as in the finest quality receivers. A unit for every type of audio-frequency amplification. I

1st Stage Audio, Deluxe, ratio 3:1. 

C1580 — Your Cost $2.45

2nd Stage Audio, Deluxe, ratio 4:1. 

C1571 — Your Cost $2.45

Push-pull Input, Deluxe, ratio 3:1. 

C1570 — Your Cost $2.45

Push-pull Inter-stage, Deluxe, ratio 1.75:1. 

C1564 — Your Cost $2.45

Push-pull Input, split secondary, triad. ratio 1.75:1. 

C1562 — Your Cost Each $2.75

Trutest Deluxe Screen Grid Audio Coupler

Designed to couple the output of any Screen Grid Detector, such as 67, 68, 224 or 235, to an Audio Amplifier Tube, will give from two to three times as much amplification as resistance coupling. Better tone quality over the entire frequency range is achieved. Fully shielded in a metal case having a black piano finish. Size 3½” x 2½” x 1¾”. Shipping weight 3 lbs.

C1594 — Your Cost $2.45

Tube-to-Line Transformers

Tube-to-Line Transformers are required in amplifier installations that are separated in sections. These units are used to couple the output stage of the amplifier with a 800 or 500 ohm line which distributes power to other amplifiers or the reproducer. Two 250 or 245 type tubes to 500 ohm line, 15 ohm winding for voice coil or monitor.

C1591 — Your Cost $4.45

Two 210 tubes 500 ohm line, 15 ohm winding for voice coil or monitor. 

C1559 — Your Cost $4.45

Output of General purpose tube to 200 line ohms. 

C1593 — Your Cost $3.75

Mixer Transformers

Input, two button microphone, 200 ohm to grid of tube. 

C1587 — Your Cost $1.95

Input, two button microphone, 200 ohm to 500 ohm. 

C1550 — Your Cost $4.25

Input, two button microphone, 200 ohms two 500 ohm output. For using four microphones with four of these transformers; with secondaries in series feeding into a 200 ohm line. 

C1598 — Your Cost $4.25

Phonograph Pick-Up Transformers

Input, pick-up to grid, primary impedance 500, 1000, 2000, and 4000 ohms. 

C1586 — Your Cost $3.95

Input, pick-up to grid. Primary impedance to match low impedance magnetic pick-up unit.

C1598 — Your Cost $2.75

Output Transformers

In all types of amplifiers and receivers an output transformer should be connected between output plate circuit and the loud speaker. 

\[
\begin{align*}
\text{C1583} & : \quad \text{Your Cost} \quad \$2.94 \\
\text{C1584} & : \quad \text{Your Cost} \quad \$1.75 \\
\text{C1585} & : \quad \text{Your Cost} \quad \$2.45 \\
\text{C1586} & : \quad \text{Your Cost} \quad \$2.94 \\
\text{C1587} & : \quad \text{Your Cost} \quad \$3.25 \\
\text{C1588} & : \quad \text{Your Cost} \quad \$2.45
\end{align*}
\]

Phonograph and Microphone Matching Transformers

Phonograph Pick-up transformer 3000 ohms to grid of tube. 

C1559 — Your Cost $1.20

Single Button Microphone transformer, 200 ohms each side of center-tap. 

C1550 — Your Cost $0.95

Double Button Microphone transformer, 200 ohms each side of center-tap. 

C1551 — Your Cost $1.25

Input- Pick-up to Grid: Primary impedance 500, 1000, 2000, and 4000 ohms. 

C1563 — Your Cost $2.25

Audio Coupler

Audio, either stage of straight audio amplification. Ratio 3 to 1. 

C1530 — Your Cost $7.50

Audio, from single plate to 2 grid-plate transformers; Ratio 2:1. 

C1532 — Your Cost $8.25

Audio, from single plate to 2 grid-plate transformers; Ratio 1.75:1. 

C1562 — Your Cost $9.50

Audio, from single plate to 2 grids. Ratio 1.75:1. 

C1563 — Your Cost $9.50

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Phonograph Pick-up transformer 3000 ohms to grid of tube. 

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Single Button Microphone transformer, 200 ohms each side of center-tap. 

C1550 — Your Cost $0.95

Double Button Microphone transformer, 200 ohms each side of center-tap. 

C1551 — Your Cost $1.25

Input- Pick-up to Grid: Primary impedance 500, 1000, 2000, and 4000 ohms. 

C1563 — Your Cost $2.25

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\text{C1587} & : \quad \text{Your Cost} \quad \$3.25 \\
\text{C1588} & : \quad \text{Your Cost} \quad \$2.45
\end{align*}
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Exat duplication of the original replacement parts, Nos. 8554, and 8555.

Consists of one push-pull inter-stage transformer and one push-pull output transformer in one can. Voice coil impedance 8-10 ohms.

BRAND NEW MERCHANDISE IS MADE IN MAKING UP THIS REPLACEMENT. Shipping weight 6 lbs.

C1939—Your Cost Each $1.50

Radiola Double Chokes Models 18-31-51, Part No. 8136

This heavy duty, metal Filter Choke is the ideal choke for all types of filter circuits, power amplifiers, eliminators, transistors and power packs. When connected in parallel, each choke has 30 henries 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 .54 x .35 x .274". Shipping weight 6 lbs.

C2171—Your Cost $40

For Radiola Models 17 and 50 RCA No. 8081

C2182—RCA No. 8082

For Radiola Models 60 and 62 No. 8466

For Radiola Models 64-46-7 No. 8475

For Radiola Model 66 No. 8468. Shipping weight, 8 lbs.

Either Above Chokes. Your Cost $1.40

Radiola Single Audio Radiola Models 60 and 62

Braunwin NCX

SN8C Graybar Model 60

This is the genuine Radiola Part No. 8080, single audio stage for the above model receiver. Shipping weight 1 lb.

C2173—List $4.80 Your Cost $95

Output Transformer 64-17-46

The Official RCA part No. 64-17-46 for the above models, new and guaranteed. Can be used in place of a RCA 106 speaker by addition of two .1 mfd. condensers across output transformer. Shipping weight 3 lbs. Primary 350 ohms, secondary 6 ohms.

C2170—Your Cost $35

Intermediate Radiolas 60, 62, 64, and 66

Here is the genuine "I. F." Transformer for the above Radiolas Models, each has been checked at its correct frequency at the RCA Factory. Our supply is limited. Shipping weight 8 oz.

For Radiola Models 60, 62, 64, and 66 (RCA No. 8342)

C2164—Your Cost Each $1.35

For Model 66, 1st and 2nd "I. F." Transformer (RCA No. 8481).

C2166—Your Cost Each $1.75

C2103—List $6.00


Consists of push-pull inter-stage audio, primary 2300 ohms center-tapped, secondary 7600 ohms center-tapped. Output, push-pull audio, primary 600 ohms center-tapped, secondary 10 ohms. Can be used with any receiver or power amplifier using A.P. periods in the output stage to the voice coil of a dynamic speaker. Universal in size, 3 3/4 x 3". Metal container, completely shielded and picked against moisture. Crimping tags for easy mounting. 12 color coding strips for direct wiring. Shipping weight 6 lbs.

C2001—Your Cost $2.25

Victor P. P. Input and Output Transformer R-32, R-52, RE-45, RE-75

This is the genuine Victor Inter-stage Transformer for the Victor Receiver R-32, R-52, RE-45, RE-75. Shipping weight 5 lbs.

C1985—Your Cost $57

Second, 16,000 ohms. Output Prim. 500 ohms. Second, 5 ohms, to voice coil of a dynamic speaker. Shipping weight 6 lbs.

Victor Choke R-32, R-52, RE-45, RE-75

The genuine Victor Filter Choke for the above Receivers. Has a D. C. resistance of 30 ohms. 80 henries at 125 mls. A good choke for general use. Size 3 1/2 x 2 3/8 x 1 3/16". Guaranteed weight 2 lbs. Shipping weight 1 lb.

C1957—Your Cost $28

RCA Radiola Audio Transformer For Models RR, RX, R3, R3A, R4, RTB, R9, R20 and R-30-A, Part No. 557-2182

The genuine replacement audio transformer to be used in the first or second stage of any battery, D. C. or A.C. receiver. Universal mounting, Ratio: Primary 1000 ohms, secondary 500 ohms, D. C. resistance, 83 ohms 11/16 x 1 3/16. Weight 2 lbs.

C1948—Your Cost Each 45¢ Per Dozen $5.00

Double Audio Transformer Assembly For Models 16-17-18-31-43-50 51 "Brand New Genuine Replacement" C69

Consists of both first and second audio stages in one can. Primaries: D. C. output transformer, consists of both stagers 1000 ohms and secondaries 5000 ohms. Size 2 x 1 1/8 x 1 3/16". Shipping weight 3 lbs. RCA No. 5567.

Your Cost $1.05

Coupling Reactor RCA Models 44, 46 and 47

Used to couple a Screen Grid Detector to a power output tube. About 700 h. at 3 mA. D. C. resistance 6000 ohms. Weight 2 lbs.

C2165—Your Cost $1.15

Input Transformer Models 64 and 67

Straight audio input transformer used to couple to a single 50 type tube. The genuine RCA—Victor replacement. Part No. 8681. Shipping weight 6 lbs.

C2002—Your Cost Each $2.95

Output Transformer Used to couple a single '50 type tube to a 8-15 ohm voice coil of a dynamic speaker. Size 2 3/4 x 3 x 3/4". Shipping weight 2 lbs.

C2716—Your Cost $2.15

Double Choke

For Model 30-A 60 Henry 150 Ma. RCA Part No. 8275, consisting of two 30 H. A. 150 Ma. chokes mounted in a metal housing. D. C. resistance is 400 ohms. Size 3 1/2 x 3 x 1/2". Mounting centers, 2 3/4 x 1/4". Shipping weight 1 1/2 lbs.

C1744—List $1.40 Your Cost $2.45

RCA Filter Choke 30 Henry 150 Ma. Models 64 and 67


Your Cost List 58.90 $2.25

For 105 Loudspeaker Similar in appearance to above, D. C. resistance 1000 ohms.

A183—List $6.75 Your Cost $1.65

Victor Audio R-50, R-55, RE-20, RA-59 and RA-75, G. E. Models H-32 and H-72, Graybar Model GB-100, RCA No. 8711

Consists of a single 50 transformer, primary 1200 ohms, tapped at 600 ohms for phone, pick-up secondary 2800 ohms. Brand new and guaranteed. Shipping weight 4 lbs.

C1929—Your Cost $28

RCA Photomatching Photo Cell Matching Transformer

C217—List $1.40 Your Cost $2.45

RCA Victor Photo. Pic-Up Transformer Primary 20 ohms, secondary 5000 ohms, C. R. Resistance. Shipping weight 2 lbs.

A181—Your Cost Each $1.65

Perfect Merchandise — Prompt Shipment — Personal Service
**Guaranteed Replacement Audio Transformers**

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<th>Straight Audio</th>
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<th>Single or P-P Output</th>
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<td><strong>Philo Models</strong></td>
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<td><strong>Your Cost</strong></td>
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<tr>
<td>20-220</td>
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<td>66</td>
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<td>70-270</td>
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<td>82-86-87</td>
<td>3241</td>
<td>C1744</td>
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<td>95-96-96-96</td>
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<td>111-112</td>
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<tr>
<td>500 Series</td>
<td>8077</td>
<td>C1745</td>
<td>$1.35</td>
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</tbody>
</table>

**For Columbia Model C-920**


**Kolster Double Audio Transformer** For Models K-20, K-21, K-22, K-26

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 3/4 x 2 ship. weight 3 lbs. Provided with crimping lugs for chassis or subpanel mounting. Shipping weight 4 lbs. **C2062** Your Cost: $1.45

**Edison Audio Transformer**

Made for replacement in Edison Receivers. Can also be used for other sets. Edison Audio Transformer, ratio 3 1/2 x 1 1/4 x 5/16. Shipping weight 2 lbs. **C2300** Your Cost: 49¢

**P. P. Input Split Secondaries**

Similar in appearance to above, except has terminal connections on bottom. A quality p. p. input audio, isolated secondaries. Shipping weight 3 lbs. **C2389** Your Cost: $1.25

**No Federal Tax To Be Added To Any Of Our Prices.**
Class "B" Input Transformer

This was designed as a coupling unit for classes "B" amplifiers. The engineering features recommended in the construction of this transformer, as well as the performance workmanship and high-est grade of materials used, enable us to produce a unit truly conforming to the requirements to provide a reserve power for an extended range of volume. This input transformer gives a flat response curve over the entire musical range, as well as wind ing flexibility beyond the average conception. It has wound in an attractive black enameled case, fully shielded, lugs on side mounted on bakelite panel. Complete instructions and wiring diagram accompany each unit. Size 4 1/2" high; 2 1/4" wide; 2 1/4" deep. Shipping weight 2 lbs.

Class "B" Plate Transformer

This transformer was designed primarily for use with the new "82 mercury type rectifier to supply the required plate voltage for class "B" amplifiers. It has sufficient voltage when operated in conjunction with input filter choke to work the 246 push-pull amplifier at its maximum output to the addition to this it has the capacity to supply high voltage current for the average tube set. It is generously designed and has an overcurrent regulation. Is completely shielded in a steel case, with black enameled case and lugs are brought out to lugs on the side of housing, and are mounted on a neat bakelite panel on front of the transformer. Only the highest grade of materials and finest workmanship are used in the construction of this transformer. There are complete instructions and wiring diagrams furnished. Size 4 1/2" high; 3 1/4" wide; 3 1/4" deep. Shipping weight 6 1/2 lbs.

Class "B" Filament Transformer

This unit was developed to supply the demand for filament transformer to be used with and emergency amplifier, the supply transformer especially designed for class "B" amplifiers. Has a "8460" mercury and "82" mercury type rectifier one "46 driver and two "46 push-pull amplifiers. The unit also has an additional winding for sufficient capacity to take care of eight 1 3/4", amper heater filaments, for fourteen heater filaments. Has black enameled housing, completely shielded. Lugs are mounted on a neat bakelite panel on front of the transformer. Full instructions and diagram enclosed with each unit. Size 3 1/2" high; 3 1/2" wide; 3 1/2" deep. Shipping weight 4 1/2 lbs.

Class "B" Input Filter Choke

This choke is designed for use with the Jefferson filament and plate supply transformers listed on this page. Especially adaptable as choke input for class "B" amplifiers, as it aids materially in maintaining the close regulation desirable for this type amplifier. At rule with this high grade of products, only the best materials are used, and utmost care exercised in assembly and quality of workmanship with windings completely shielded, and lugs brought out of side and mounted on bakelite panel. Size 3 1/4" high; 2 1/4" wide; 3 1/4" deep. Shipping weight 2 1/2 lbs.

Class "B" General Purpose Filter Choke

Designed and recommended for use as a general purpose filter choke, but is also admirably suited as an input filter choke. The best grade wire is used in this choke and the core is of the finest steel. It has the same general construction as that of the input choke listed here. Resistance 190 ohms; nominal inductance 10 henries. Windings arranged in alternate sets of proportions, with windings completely shielded. Lugs on side on bakelite panel. Size 3 1/4" high; 2 1/4" wide; 2 1/4" deep. Shipping weight 1 1/2 lbs.

Jefferson Transformers

Replacement Part Headquarters for Dealers and Service Men
The ideal audio transformer possesses four imp- orting characteristics: low secondary impedance, low wave-form distortion and reliability. These points are inherent in Kenyon units plus a fifth, minimum inductive and electro-static pick-up. The cases have a silver finish which adds to the professional appearance of an amplifier or an aluminum or cadmium plated base.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Description</th>
<th>List Price</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-15800</td>
<td>Input: 1 plate to 1 grid. 3:1 ratio</td>
<td>$4.50</td>
<td>$4.50</td>
</tr>
<tr>
<td>P-15801</td>
<td>Input: 1 plate to 2 grids in P-P. 2:1 ratio each side</td>
<td>$5.00</td>
<td>$5.00</td>
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<tr>
<td>P-15802</td>
<td>Input: universal line to 1 grid</td>
<td>$5.50</td>
<td>$5.50</td>
</tr>
<tr>
<td>P-15803</td>
<td>Mixing universal line to universal line</td>
<td>$5.50</td>
<td>$5.50</td>
</tr>
<tr>
<td>P-15805</td>
<td>Input detector plate to universal line</td>
<td>$5.50</td>
<td>$5.50</td>
</tr>
<tr>
<td>P-15806</td>
<td>P-200 plates to 2 grids. 1.75 to 1 ratio each side</td>
<td>$6.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>P-15807</td>
<td>Input: P-P 45 to 500 and 16 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.50</td>
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</tr>
<tr>
<td>P-15808</td>
<td>Output: P-P 45 to 500 and 16 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.50</td>
<td>$6.50</td>
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<tr>
<td>P-15809</td>
<td>Output: P-P 50 or triple twin to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.50</td>
<td>$6.50</td>
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<tr>
<td>P-15810</td>
<td>Output: P-P V. S. 50's A's to 500 ohm line and a 15 ohm line tapped at 8 and 4 ohms</td>
<td>$10.00</td>
<td>$10.00</td>
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<tr>
<td>P-15811</td>
<td>Output: 47 to 15 ohm voice coil, tapped at 8 and 4 ohms</td>
<td>$6.00</td>
<td>$6.00</td>
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<tr>
<td>P-15812</td>
<td>Output: P-P 47's to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.50</td>
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<tr>
<td>P-15813</td>
<td>Output: P-P 48 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.50</td>
<td>$6.50</td>
</tr>
<tr>
<td>P-15814</td>
<td>Output: P-P 38's to 15 ohm line tapped at 8 and 4 ohms</td>
<td>$6.00</td>
<td>$6.00</td>
</tr>
<tr>
<td>P-15815</td>
<td>Prime A output: P-P 45s to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
<td>$7.50</td>
<td>$7.50</td>
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<tr>
<td>P-15816</td>
<td>Driver input: 1-89 plate to 2-90 grids Class B</td>
<td>$6.00</td>
<td>$6.00</td>
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<tr>
<td>P-15817</td>
<td>Driver input: 1-245 plate to 2-245 or 290's grids in A Prime amplification</td>
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<tr>
<td>P-15818</td>
<td>Driver input: 2-90 plate to 2-245 grids Class B</td>
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<tr>
<td>P-15819</td>
<td>Driver input: 1-59 plate to 2-59 grids Class B</td>
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<tr>
<td>P-15820</td>
<td>Driver input: P-P 45 to 2-210 grids Class B</td>
<td>$6.00</td>
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</tr>
<tr>
<td>P-15821</td>
<td>Driver input: P-P 45 &amp; 2-210 grids Class B</td>
<td>$7.50</td>
<td>$7.50</td>
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<tr>
<td>P-15822</td>
<td>Class B output: P-P &amp; 59 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
<td>$6.00</td>
<td>$6.00</td>
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<tr>
<td>P-15823</td>
<td>Class B output: P-P 46 plates to 15 ohm line, tapped at 8 and 4 ohms</td>
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<tr>
<td>P-15824</td>
<td>Class B output: P-P 46 plates to 500 and 15 ohm line, tapped at 8 and 4 ohms</td>
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<tr>
<td>P-15825</td>
<td>Class B output: P-P 46 plates to R.F. modulator. Sec. 4000 ohms</td>
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<tr>
<td>P-15826</td>
<td>Class B output: P-P 59 plates to R.F. modulator. High imp. sec.</td>
<td>$6.50</td>
<td>$6.50</td>
</tr>
</tbody>
</table>

![Image](https://www.americanradiohistory.com/assets/kenyon-audios.png)
Audio Transformers and Chokes

Sangamo Audio
Push-pull Input
Sangamo Audio Transformers are a well known to leading Audio engineers and the world's best musicians. The entire frequency range is covered by use of the highest grade materials. Primary, 2000 ohms, secondary, 8000 ohms. Size 3½x2½x1½". Mounting centers 3½". Shipping weight 3 lbs. C2396—Your Cost 85¢

Push-pull Output 247 to Dynamic Speaker
Ideal in appearance to above. Output impedance matches 8-15 ohm voice coil of dynamic speaker.
C2397—Your Cost 59¢

Push-pull Output 245 to Dynamic Speaker
Identical in appearance to above. Output impedance matches 8-15 ohm voice coil of dynamic speaker.
C2398—Your Cost 59¢

Shielded Pacent Push-pull Input Transformer
Fully shielded and protected against climatic conditions. Primary 2000 ohms, secondary 12,000 ohms. Rated for its high amplification without distortion. Ideal for use with high power amplifiers. Pleasing black lacquer finish. Overall size 3½x2½x1½". Shipping weight 4 lbs.
C2347—Your Cost $1.05

Rauland Laboratory
R-500 Audio Transformer
The high amplification combined with exceptionally uniform response throughout the entire audio-frequency band (30 to 30000 cycles per second) makes this a high class audio for all types of amplification. Ratio 3½:1. Primary, 1800 ohms; secondary, 8000 ohms: Size 3½x2½x1½" high. Mounting centers 2½". Shipping weight 2 lbs.
C2265—List Price $9.00 Your Cost 95¢

Filter Choke 30 H-100 MA.
A quality filter choke, having an Inductance of 30 henry at 100 MA. D. C. resistance of 375 ohms. Ideal for all types of circuits requiring a high quality filter choke. Its low D. C. resistance makes it a popular unit for set builders and for replacement purposes. Size 3½x2½x1½". Shipping weight 4 lbs.
C1563—Your Cost 95¢

Rauland R-14 Audio Transformer
That burnt-out transformer in your commercial set affords an opportunity to improve radio results—replace with R-14, Ratio 3:1. Primary, 1200 ohms, secondary, 8000 ohms D. C. resistance. Size 3½x2½x1½". C2266—Shipping weight 4 lbs.
Your Cost 50¢

General Purpose Replacement Audio Transformers
This compact and efficient transformer makes an ideal unit for replacement of burned out or obsolete transformers in battery or electric sets, and especially where space is at a premium. It can also be used in radio or television circuits, or airMAIL, as a horizontal and vertical power supply. Has a good response over the audio range of frequencies, with a corresponding amplification. It is completely housed in an attractive rubberized metal casing, fully shielded, with solderless terminals on a bakelite strip. Size 3½x2½x1½". Shipping weight 2 lbs.
C2348—Your Cost Each 39¢

Deluxe Audio Transformer
Ratio 3½:1 to 1
One of the finest Audio Transformers made. Can be used in the first and second Audio stage. Sealed in an oval case, made of the finest aluminum. To be fitted inverted, leads connected through bottom of chassis. Mounting is made by means of two 1/4 screw lugs attached to case. Size, 1½x2½x1½" high. Primary 900 ohms D. C. resistance, 7000 ohms D. C. resistance. Shipping weight 2 lbs.
C1905—Your Cost Special In Lots of Ten Each 35¢

Push-pull Input Audio Isolated Split-Secondaries
C3357—Your Cost Each $1.25

Heavy Duty Filter Choke
Heavy Duty Filter Choke that has an Inductance of 30 henry, at approximately 150 ma's, D. C. resistance of 700 ohms, and is designed to fit in the filter circuit for power packs—and power amplifiers. Size 3½x2½x1½". Shipping weight 5 lbs.
C1567—Your Cost 95¢

Special Audio Transformers
The same quality Audio Transformer as the Large Rauland Typewriter Grade, R-550. Open Frame strap mounted, finished in black lacquer. Can be used as 1st or 2nd stage Audio Stage. For use with all types of tubes. In available either with Horizontal or Vertical Mounting. Size overall 2½x5½x1½". Shipping weight 3 lbs.
C1704—Type Upright Mounting Your Cost 45¢

Horizontal Type Mounting
C2316—Your Cost, Either Type 45¢

Vertical Type Mounting
C2317—Your Cost, Either Type 45¢

Kellogg Matched P. P. Input and Output for Voice Coil
To greatly improve the tone quality and volume of your radio, install a pair of these genuine Kellogg Matched P. P. input and output audio transformers. Laboratory matched to insure perfect audio balance throughout the entire frequency range. Nothing better for Public Address Systems and Power Amplifiers. A very fortunate purchase enables us to sell these below actual production cost, but our QUANTITY IS LIMITED, and so more can be had at this price. Size 3½x2½x4½". Shipping weight, pair, 6 lbs.
C2372—Your Cost Per Pair. $1.29
P. P. INPUT C2313—Your Cost 85¢ P. P. OUTPUT C2329—Your Cost 55¢

Pentode Output Transformer to a Magnetic Speaker
Specially designed to couple a single pentode power tube to the high impedance magnetic speaker. Open frame strap mounting type. Size 2½x2½x2½" high. Mounting holes 1½" center to center. Shipping weight 3 lbs.
C2244—Your Cost 59¢

Thordarson 1:1 Transformer
For use as an output transformer for magnetic speakers or in the last audio stage of an amplifier. Silicon steel core. Black enamel steel case. Size 2½x2½x2½" high. Mounting holes 1½" center to center. Shipping weight 1 lb.
C2245—Your Cost 1.10

Trutest Heavy Duty Choke
30 H. 125 M. A.
A choke that is rated at its true inductance value. Ideal for replacement and new builders. A finished product. Its low D. C. resistance of 180 ohms makes it an ideal filter choke. Size 3½x2½x1½" high. Mounting centers 3½". Shipping weight 4½ lbs. C1570—Your Cost 85¢

General Radio Audios Types 285-H, 285-D
The Audio Transformers for the present day electric receiver as well as the early battery sets. Tone Quality beyond comparison, that is General Radio Audios. Type 285-H, High amplification, ratio 6 to 1. Type 285-Dj ratio 3 to 1. They maintain a general uniform response throughout the audio frequency band, with increased volume, and are for all types of tubes. The 6 to 1 ratio especially adaptable for short wave work using single audio stage. Laminations and windings of the highest grade materials. Fully shielded. Size 3½x2½x4½". Mounting holes 1½". Shipping weight 3½ lbs.
C1706—Type 285-H. C1711—Type 285-D. Either Type Your Cost Special $1.20

We will not knowingly be undersold.
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 and characterizes all Thordarson Audio Transformers, Ratio 3:1, 7 to 2, 4424-Inch, 1.5x2x2.5/4-Inch, $1.03

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 increased in price. Size, 1.5x2x2.3/4-Inch. Shpg. Wt., 2 lbs.
4A213—Your Cost $1.08

R-200 Audio
The special core material of this transformer (Thordon) has a permeability 50% greater than that of the finest grade silicon steel formerly employed and increases the transformer's inductance correspondingly. An ideal replacement Audio transformer of the finished construction. Ratio 3:1, Size, 5-1/16x2x2.7-11/16 in. Wt., 3 lbs.
4A214—Your Cost only $1.25

R-300 Audio
Similar in appearance to above, Supreme in musical performance, brings a greater realism to radio reproduction. The amplification transformer 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.
4A239—List $5.00. Your Cost $2.35

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 3:1. Size, 21/4x2x2 in. Shpg. Wt., 4 lbs.
4A215—List $5.00. Your Cost $2.35

FILTER CHOKES
30 Henry—50 Milis. T-1892-A
30 Henry—50 Milis. T-1892-B
4A246—Your Cost 36c

30 Henry—85 Milis. T-190
A fully shielded and finished product by Thordarson. Dc resistance 360 ohms. For filter circuits and speaker output coupling. Size, 2x1/4x3-in. 3 in. high. Shpg. Wt. 4 lbs.
4A242—Your Cost 76¢

R-105 SPEAKER OUTPUT CHOKE
A high quality output choke needed to couple a pair of '71 or '45 type tubes to high impedance speaker or to the secondary of the transformer in the dynamic speaker. Size, 4/32x22x2.5/8-in. Shpg. Wt., 3 lbs. 4A241—Your Cost $1.02

WHOLESALE RADIO SERVICE CO., INC. — 700 Sixth Ave. New York

Audios and Chokes

PUSH-PULL INPUTS
R-101
A high quality push-pull input transformer for all types of servicing and replacement. Has an unusually uniform response over the effective range of audio frequencies. Universal mounting brackets provide for all types of sets. Size, 1.5x2x2.3/4 in. Shpg. Wt., 4 lbs.
4A240—List $2.25. Your Cost $1.22

P. F. INTER-STAGE AUDIO T-2971
A special audio transformer to couple two stages of Push-pull amplification. Especially applicable for use in power amplifiers for public address systems to prevent the distortion in the first stages of the audio amplifier. Ideally suited for use with Type '45, '47 and '50 power tubes in the output stage. Size, 3.5x3.5x3/4 in. Shpg. Wt., 5 lbs.
4A212—Your Cost $4.12

T-4304 PUSH-PULL INPUT
A transformer serving the same purpose as Type T-2428 but possessing a ratio of 2 to 1. May be used following a screen grid power detector having parallel parallel feed. Built primarily for use with 210, 240 and 250 volt power tubes in the push-pull stage. Size, 3.5x3.5x3 in. Shpg. Wt., 5 lbs.
4A243—Your Cost $3.96

T-2408 PUSH-PULL INPUT
Designed to couple a stage of straight audio amplification into a but possessing a ratio of 20 to 1. May be used following a screen grid power detector having parallel parallel feed. Built primarily for use with 210, 240 and 250 volt power tubes in the push-pull stage. Size, 3.5x3.5x3/4 in. Shpg. Wt., 5 lbs.
4A217—List $4.00. Your Cost $2.35

P. P. PUSH-PULL OUTPUTS
T-2629
A special push-pull output transformer designed to couple the output of a 210 or 240 push-pull stage into a dynamic speaker. This Transformer replaces the one in the base of the transformer. Secondary connects directly to the moving coil having a d.c. resistance between 2 and 8 ohms. Primary 1200 ohms. Size, 3.5x3.5x3/4 in. Shpg. Wt., 5 lbs.
4A218—List $4.00. Your Cost $2.35

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 handle the high output current and voltage of power amplifiers of this type. Size, 3.5x3.5x3/2 in. Shpg. Wt., 5 lbs.
4A238—List $4.00. Your Cost $2.35

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 90 to 1. Average size and shipping weight as above.
4A220—List $3.50. Your Cost $1.76

COUPLING TRANSFORMERS FOR '10 TYPE TUBES FOR CLASS "B" OR PUSH-PULL

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 8-foot lamp cord and AC plug.

T-2445 Supplies: 1¼ volts for 4-268; 2.5 volts for 4-266 and 2-265. Size, 21/4x2x2 in. Shpg. Wt., 4 lbs.
4A340—List $4.50. Your Cost $2.96

T-3081 Supplies: 1.25 volts at 3 amperes, 2.5 volts at 3½ amperes, for single sets and amplifiers. Size, 2½x3½x3 in. high. Shpg. Wt., 5 lbs.
4A301—List $4.00. Your Cost $2.76

T-2504 A special filament supply for Kellogg or other similar 3 volt filament tubes. Supplies 10 volts at 10 amperes. Size, 3½x3x3¾ in. high. Shpg. Wt., 5 lbs.
4A302—List $4.00. Your Cost $2.35

T-2610 A special filament supply for Arcturus or other similar 15 volt filament tubes. Supplies 15 volts at 2 ampere, c. r. 10 tubes. Size, 3½x3x3½ ins. high. Shpg. Wt., 5 lbs.
4A303—List $1.00. Your Cost $0.65

T-5100 Input Transformer 2A242—List $5.00. Your Cost $4.11

Output Transformer T-5101
2A245—List $10.00. Your Cost $5.58

INPUT OUTPUT
Thoradason 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 from comparatively small tubes. This system has been applied in some of the latter models of battery receiving sets. It has been applied in power amplifiers and the latest application is its use in Modulators in amateur sending stations. The Input Transformer, coupled to a pair of 45 tubes in Push-pull, The Output Transformer is arranged to couple a pair of 10 tubes in Push-pull to the oscillator circuits. The Secondary winding is arranged so that it may be coupled to either a single 10 oscillator, two 10 oscillators in Push-pull or two '10s in parallel. Circuit diagram, including power supply basis of the speaker, each pair of these transformers. The input transformer, designed for use in the Output Size, 3¼x4x4 in. Shpg. Wt. each 5 lbs.
For Models 40, 56 and 57
Shipping weight 17 lbs.
B1381—Your Cost $4.95

For Models 42, 44, 45 and 52
Shipping weight 17 lbs.
B1376—Your Cost $4.95

For Models 43, 46, 47 and 53
Shipping weight 19 lbs.
B1375—Your Cost $7.50

For replacement in Majestic “B” Eliminators.
You would not want better blocks than these study units.
This block is built exactly to the original in accordance with the exact
Majestic specifications from brand new first grade
merchandise, guaranteed as to quality. They
will give you the kind of service you have a
right to expect for your money. Composed of
new high voltage condensers, scientifically
designed, and carefully built to give long and
satisfactory service. The electrical
characteristics have been identical duplicated.
As this was one of the most popular "B" Eliminators
made, and was sold in such tremendous quantities, there will be a steady demand for
replacements of this block for years to come, and
the service man with foresight, that will
lay in a supply of these, will eventually cash in
on the requirements and demand for this
block in the future. Shipping weight 8 lbs.
B848—For Majestic Super "B"
Your Cost Each $1.95
B847—For Majestic Master "B"
Your Cost Each $1.95
B846—For Majestic Special Master "B"
Your Cost Each $1.95

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. 3987. Contains
two 2 mfd. Two
1 mfd. and P. P. Input
transformer. Shipping weight 6 lbs. List Price
$20.00
C1064—Your Cost $3.75

Majestic 90-B
Condenser
An exact Duplicate of the Original Majestic Filter
Condenser, in size and electrical characteristics.
It contains: Three 2 mfd. and
one 1 mfd. Shipping weight 6 lbs.
B1065—Your Cost $1.65

Perfect Merchandise - Prompt Shipment - Personal Service
Radiola Model 64
Victor 9-18 and 9-54
Part No. 8368 Filter Capacitor

For RCA Model 67
The Genuine Replacement Filter Condenser, Part No. 8591, comprising three 2 mfd., two 4 mfd. and two 1 mfd. Similar in appearance to above. Shipping weight 15 lbs.
B1011—List Price $38.00
Your Cost $9.50

For RCA Model 67
C A N D E N S E R  B L O C K S
By-pass Condenser block, 15 mfd. Shipp-
ing weight 3 1/2 lbs.
B1017—Your Cost $1.95

For Radiola Model 30-A A. C.
Faradon WS 3781, RCA Part No. 5674, Filter and By-pass Condenser block, 16 mfd. Shipping weight 5 lbs.
B1017—Your Cost $4.45

Radiola Model 64
Victor 9-18 and 9-54
Part No. 8368 Filter Capacitor

For RCA Model 67
The Genuine Replacement Filter Condenser, Part No. 8591, comprising three 2 mfd., two 4 mfd. and two 1 mfd. Similar in appearance to above. Shipping weight 15 lbs.
B1011—List Price $38.00
Your Cost $9.50

2 Mfd. Filter Condenser 400 V. D. C.
Radiola replacement No. 561, 2 mfd. filter condenser 400 volts D. C., used in Models 25, 26, 28, 30, 32, 35, 36, 414 loudspeaker, uni-recept and dual-receptor amplifiers. All brand new, never used before. Size 4-1/2 x 3-3/4" metal container, two soldering lugs. Shipping weight 1 lb.
B525—Your Cost $25.00

RCA 4 Mfd.
Filter Condenser 800 Volt Working Voltage
The genuine RCA 4 mfd. 800-volt condenser. Used in Models 104 loudspeaker and 32 A. C. receiver. This condenser replaced the 7 and 3.5 mfd. condenser as first used in the RCA sets. For use in all high power amplifiers, using 210 or 250 tubes. All brand new and packed in individual cartons, and are guaranteed. Metal container, 114 x 3/4 x 3/4". Two insulated soldering lugs.
B635—Your Cost Each $3.00

For Radiola Model 30-A A. C.
Faradon WS 3781, RCA Part No. 5674, Filter and By-pass Condenser block, 16 mfd. Shipping weight 5 lbs.
B1017—Your Cost $4.45

BRAND NEW
Genuine Victor Filter Condenser Blocks Replacement for Models R-32, RE-45, R-52, RE-75

Contains: One 6 mfd., one 3 mfd., one 2.5 mfd. and .5 mfd. sections at 600 working voltage. These are all brand new condenser blocks, never been used or installed before. Each unit is given a severe test before leaving our testing laboratories. housed in a metal container, 5-1/2 x 4 x 3/8". Shipping weight 8 lbs.
B830—Your Cost $7.50
Genuine Victor Replacement for Late Models R-32, RE-45, R-52, RE-75
Contains: One 6 mfd., one 3 mfd. and one 2.5 mfd. at 600 working voltage. This is for the late Victor models, equipped with 4 taps, but can be used for the early models by using a .5 mfd. condenser in place of the No. 5 tap.
B833—Your Cost $1.25

Filter and By-pass Condenser Assembly Models R-11, R-18, R-18A and RE-21
Genuine replacement part No. 7279, comprising one 4 mfd.. one 6 mfd., one .5 mfd., two 2.5 mfd. and one 1 mfd. All in single metal container. For 25-60 cycle receivers. Shipping weight 6 lbs.
B633—List Price $10.00
Your Cost $3.95

RCA Model 61 A.C.
The genuine condenser banks are: RCA Model 61, 4 mfd. Shipping weight 4 lbs.
B1004—RCA A. C. 4 mfd.
Your Cost $2.65

Receptor Power Pack
B1004—RCA A. C. 4 mfd.
Your Cost $2.65

Sterling Power Pack (Duplicate of Original) B1003—RCA No. 8397
Your Cost $4.65

Filter Condenser Models R-50, R-55, R-60, RAE-59 and RAE-79
The genuine RCA replacement filter condenser block part No. 8712-6496, comprising one 2 mfd., one 3 mfd., two .5 mfd. and one .1 mfd. Shipping weight 3 lbs.
B1002—List Price $22.25
Your Cost $8.25

Faradon Capacitors for RCA 30-A D. C.
Faradon No. WS 3787, RCA Filter and By-pass Condenser block, 11.5 mfd. Shipping weight 3 1/2 lbs.
B1008—Your Cost $1.95

Faradon No. WS 3786, RCA Filter and By-pass Condenser block, 12 mfd. Shipping weight 3 1/2 lbs.
B1009—Your Cost $2.25

Wholesale Radio Service Co., Inc. - 100 Sixth Ave., New York
Solar Mica Condensers

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Capacity</th>
<th>Your Cost</th>
<th>Stock No.</th>
<th>Capacity</th>
<th>Your Cost</th>
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<tbody>
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</table>

Trusted Uncased Replacement Condensers

Best Quality. Cellophane Wrapped

These unused sections are in every respect as good as the sections used in the standard stocked filter condensers. Non-inductively wound of high grade dielectric paper. Thoroughly impregnated with high melting-point compound to protect them against heat, provided with insulated wire leads for direct connection. Sections are carefully dipped in a special wax compound which forms an extra heavy coating to prevent them from absorbing moisture and eventual damage in handling. Securely wrapped in moisture-proof cellophane.

Solar Non-Polarized Electrolytic Condensers

The most popular type of electrolytic condenser for use in all types of D.C. and A.C. receivers, experiment transmitting, etc. Non-polarized, 500 volt peak voltage. Together with the special process, and the highest quality materials makes this condenser adaptable for most any type of use. Use only D.C. voltage. Fully enclosed in a cardboard container.

Fada Model 70 Condenser Block

Made exactly like the original Fada block. Guaranteed. Shipping weight 5 lbs.

B1197 - Your Cost $3.90

Spartan By-Pass Condensers

Contains the following capacities: 2, 3, 4, 5, 6, 7, 8, 10, and 15 mfd. Each in metal case. Shipping weight 2 lbs.

B666 - Your Cost $1.60

B667 - Your Cost $1.80

B666 - Your Cost $1.60

B667 - Your Cost $1.50

B667 - Your Cost $1.50

B666 - Your Cost $1.45

Condenser Blocks for Eveready Models 1, 2, 3, Bosch Model 28

This is the original condenser block and filter choke for the above Eveready and Bosch receivers. Set utilizing 4-26s, 1-27, 2-271As, 1-800 tubes. Filter choke is 16 henries at 80 ma. 2 mfd. and 4 mfd. filter condenser at 400 volt 4 mfd. Metal container. Shipping weight 7 lbs.

B1349 - Your Cost Each $2.75

Spartan Filter Condenser Blocks for Models 69, 79, 89

These are brand new condenser blocks made especially for replacement in Spartan receivers. Only the highest grade of paper and foil used in the construction of these units. The original specifications have been strictly adhered to. For guaranteed satisfaction, used for these Spartan replacements. Shipping weight 5 lbs.

B957 - Your Cost Each $3.75

Spartoid Filter Condenser Block

Made by Aerovox for Spartoid Receivers. Common, black-green tracer, 3 mfd. yellow-green tracer, 1½ mfd. two tan leads; 1 mfd. brown-green tracer; 1½ mfd. purple-green tracer, all at 500 volt. Made in 12 leads, contains in a metal case, 12 x 24 x 15", Shipping weight 6 lbs.

B124 - Your Cost Each $1.25

We Will Not Knowingly Be Undersold.
### Guaranteed Replacement

<table>
<thead>
<tr>
<th>Stock No.</th>
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<td>Model &quot;Z&quot;</td>
<td>B1424 $3.65</td>
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<td>Model A-8</td>
<td>B1423 $3.44</td>
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<td>Model Lyrick No. 90</td>
<td>B1621 $2.40</td>
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<td>Model Lyrick &quot;Y&quot;</td>
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<tr>
<td>Model Lyrick 60 and 80 Series</td>
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<td>Model T100</td>
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<td>Model 28</td>
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<td>Model 36</td>
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<td>Model 191-210</td>
<td>B1390 $4.50</td>
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<td>Model 45</td>
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### Faraday Capacitor

- **B638**
  - Your Cost: $95.00

### Faraday Filter Condenser

- **B650**
  - Your Cost: $75.00

### Bremer-Tully & Brunswick Condenser Blocks

Original replacement condenser blocks for Bremer-Tully and Brunswick receivers. Can also be used as a general replacement unit. When ordering specify color spot required. Shipment weight 5 lbs. For Brunswick Models 14, 21 and 31.

<table>
<thead>
<tr>
<th>Model</th>
<th>B1311</th>
<th>Red Spot</th>
<th>B1312</th>
<th>Green Spot</th>
<th>B1313</th>
<th>Black Spot</th>
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### Bremer-Tully Condenser Models

- **B815**
  - Your Cost Each: $48.00

### Guarantee

- **B8138**
  - Your Cost: $1.75

### Edison

- **B8139**
  - Your Cost: $1.75

### General Electric

- **B8140**
  - Your Cost: $1.75

### Freshman

- **B8141**
  - Your Cost: $1.75

### General Motors

- **B8142**
  - Your Cost: $1.75

### Graybar

- **B8143**
  - Your Cost: $1.75

### Guaranree

- **B8144**
  - Your Cost: $1.75

### COLUMBIA RADIO

- **B8145**
  - Your Cost: $1.75

### COLUMBIA-KOLSTER

- **B8146**
  - Your Cost: $1.75

### COLUMBIA Model Screen Grid 59

- **B8147**
  - Your Cost: $1.75

### FEDERAL

- **B8148**
  - Your Cost: $1.75

### IDEAL, C. A.

- **B8149**
  - Your Cost: $1.75

### ANPEX Products

- **B8150**
  - Your Cost: $1.75

### Edison

- **B8151**
  - Your Cost: $1.75

### EVEREADY

- **B8152**
  - Your Cost: $1.75

### FADA

- **B8153**
  - Your Cost: $1.75

### FEDERAL

- **B8154**
  - Your Cost: $1.75

### FREED-EISEMANN

- **B8155**
  - Your Cost: $1.75

### FREED-MANSFIELD

- **B8156**
  - Your Cost: $1.75

### GENERAL ELECTRIC

- **B8157**
  - Your Cost: $1.75

### GREBE

- **B8158**
  - Your Cost: $1.75

### GRAYBAR

- **B8159**
  - Your Cost: $1.75

### HHEEL

- **B8160**
  - Your Cost: $1.75

### HONEYCOMB

- **B8161**
  - Your Cost: $1.75

### HOSTER

- **B8162**
  - Your Cost: $1.75

### KONE RUISS

- **B8163**
  - Your Cost: $1.75

### KONAM

- **B8164**
  - Your Cost: $1.75

### KORONTE Power Unit

- **B8165**
  - Your Cost: $1.75

### LEECH

- **B8166**
  - Your Cost: $1.75

### LINDSAY

- **B8167**
  - Your Cost: $1.75

### LOCAL

- **B8168**
  - Your Cost: $1.75

### LOUISIANA

- **B8169**
  - Your Cost: $1.75

### LUCAS-CHELSEA

- **B8170**
  - Your Cost: $1.75

### MAJOR

- **B8171**
  - Your Cost: $1.75

### MACO

- **B8172**
  - Your Cost: $1.75

### MAY STANDAR

- **B8173**
  - Your Cost: $1.75

### MAXSOL

- **B8174**
  - Your Cost: $1.75

### MIDWEST

- **B8175**
  - Your Cost: $1.75

### MIDWEST POWER UNIT

- **B8176**
  - Your Cost: $1.75

### MINER

- **B8177**
  - Your Cost: $1.75

### MONTAGE

- **B8178**
  - Your Cost: $1.75

### MONTAUX

- **B8179**
  - Your Cost: $1.75

### MODERN

- **B8180**
  - Your Cost: $1.75

### MONTAGNE

- **B8181**
  - Your Cost: $1.75

### MULTIPACK

- **B8182**
  - Your Cost: $1.75

### NEVADA

- **B8183**
  - Your Cost: $1.75

### NORTHERN

- **B8184**
  - Your Cost: $1.75

### ORCHARD

- **B8185**
  - Your Cost: $1.75

### ORANGE

- **B8186**
  - Your Cost: $1.75

### ORTHODONTI

- **B8187**
  - Your Cost: $1.75
Con
denser
Blocks

HAMMARLUND
Model HIQ 30... B1105 $4.25

KING
Model "J"... B1100 4.45

KOLSTCOLUMBIA
Model 6-1... B1090 3.25
Model 6-5, 6-K, 6-R... B1089 2.95
Model 22, 25, 25 and 27... B1280 3.75
Model K-20... B1008 2.75
Model K-24... B1278 3.50
Model K-44... B1134 2.65
Model K-44... B1087 2.75
Model K-45... B1086 3.45

MAJESTIC
Model 70, Series TBPB, Power Unit... B1070 1.75
Model 80, Series TBPB, Power Unit... B1069 3.75
Model 90, Series TBPB, Power Unit... B1067 1.95
Model 90-B and 100-B... B1065 1.65
Model 60... B1063 2.50
Model 20 Condenser and Input Transformer... B1064 3.75
Model 50 Condenser and Choke Assembly... B1066 3.25

PEERLESS
Model 65... B1045 3.60
Model 70... B1044 2.95

PHILCO
Model 20... B1030 4.40
Model 55... B1029 3.90
Model 62... B1028 1.90
Model 86... B1027 1.90
Model 66... B1067 3.50
Model 68... B1025 3.75
Model 90, 96, 296, 111, 211, 112, 212... B1031 3.90
Model 76 and 77... B1032 3.75

RCA—RADIOLA
Model 17 and 50... B1021 2.65
Model 18, 22 and 41... B1022 2.65
Model 30-A Filter... B1018 6.75
Model 30-A By-Pass... B1017 4.45
Model 44 and 47... B1026 2.75
Model 60... B1025 1.55
Model 62 Filter... B1014 2.15
Model 62 Field Filter... B1023 2.20
Model 62 Coupling Unit... B1012 2.70
Model 64 Filter Block... B1011 2.25
Model 66 Filter Block... B1010 1.60
Model 66 By-Pass Unit... B1009 2.50
Model 66 By-Pass Unit... B1008 1.50
Model 67 Filter Block... B1007 1.35
Model 67 By-Pass Unit... B1006 2.45
Model 80 and 82 and 84... B1005 2.75
Model 41 Receptor Pack... B1004 2.45
Model 41 Sterling Pack... B1003 4.65

SILVER—MARSHALL
Model 30... B985 4.65
Model ABC 850... B986 4.16
Sheridan Model... B987 3.96
Power Supply Unit... B988 3.31
Model 775... B989 1.47
Model 1, 5... B990 1.47
Model J... B991 1.63
Model T... B988 1.47

SPARTON
Model AC-5... B980 3.45
Model AC-6 and 6a... B981 3.75
Model AC-9... B978 3.75
Model AC-9, 79, 79 and 85... B976 3.75
Model 89 and 89... B975 3.75
Model 90-A... B974 1.90
Model 90-B... B973 2.15
Model 787... D3317 1.30
Model 569 and 991... D3317 1.30

SONORA
Models B-30 and B-31... B950 2.90
Model 44 and 44... B949 7.90

STEINITZ
Models 40-A and 45-A... B940 3.25
Models 40-C, 60-C and 102-C... B941 3.25
Models 50-A and 102-A... B939 3.95
Models 70, 80 and 95... B938 3.65
Models 261 and 262... B937 2.35
Model 991... B936 4.35

SPLITDORF
Abby, Jr... B523 1.25
Model M-4... B252 2.75

STEWARD—WARNER
Models using Majestic Power Unit... B390 4.10
Model 900 A C, Series No. 61003... B292 1.75
Model 900-950 A C, Series Condenser and Choke Assembly... B287 3.25

STROMBERG—CARLSON
Models 10 and 11... B920 3.45
Models 12 and 14... B19 5.10
Models 886 and 886... B18 3.75
Model 638... B17 3.75
Models 641, 642, 652 and 654... B16 3.95
Models 846 and 848... B15 3.95

TEMPLE
Models 860, 880 and 890... B905 4.25
Model 761... B904 4.00

VICTOR
Models 9-18 and 9-54... B1011 5.90
Model AE Power Unit... B911 4.75
Model R-32, RE-45, RE-52, RE-75... B890 7.50
Models 35, 39 and 59... B987 3.75

ZENITH
Model ZE-10 Power Unit No. 22-40... B870 3.75
Model ZE-11, Z-14 Power Unit No. 22-41... B869 2.95
Model ZE-13 Power Unit No. 22-46... B868 3.95
Model ZE-16 Power Unit No. 22-48... B867 6.90
Model ZE-17 Power Unit No. 22-49... B866 6.50
Model ZE-18 Power Unit No. 22-57... B865 4.50
Model Super-Het; 11, 12, 14... B864 2.50

ALL AMER. MOHAWK
A & B Elim. Condenser Block... B985 4.00

DUMONT
"A" Eliminator Block... B858 1.25

"FADA—ABC" POWER PACK
"A" Condenser... B857 1.25
"B" Condenser Block... B856 3.25

FRANCE
Model 102 "A" Elim... B855 2.25

FARRAND
"B" Elim. Condenser... B854 3.95

EXIDE WILLARD
Eliminator Condenser... B853 3.25

GREENE AND BROWN
"A" Elim. Condenser... B852 3.00
"B" Hi-Power Condenser... B853 3.95
"B" Super Condenser... B850 7.75

MAJESTIC
"A" Elim. Condenser... B849 2.45
"B" Super Condenser... B848 4.05
"B" Master Condenser... B847 3.85
"B" Special Master Condenser... B846 4.65

PHILCO
"ABC" Elim. "B" Condenser... B645 3.00

STERLING
"A" Elim. Condenser... B844 3.00

RCA Radiola Midget By-Pass Condensers for All Models

B536—RCA Part No. 2010, 150 mfd.... $1.95
B537—RCA Part No. 2012, 1200 mfd.... $2.60
B538—RCA Part No. 2029, 2200 mfd.

Your Cost.... Each... 10¢

Kolster K-43
The original Dubilier Type PL1057 Filter Condenser for the Kolster K-43. 5.1 mfd. total capacity. Shipping weight 6 lbs.

B1334—Your Cost... $1.95

Condenser Block for Kolster
Models
K-20, K22, K48A
Columbia
Models C1 and C3

This unit is very compactly made, of the finest materials, and can be used for general replacement where similar capacities are required. Two 2 mfd. at 400 volt; one 2 mfd. at 160 volt; one 1 mfd. at 400 volt. The original Parfon condenser block for the above model receiver. Guaranteed brand new. Shipping weight 3 lbs.

B1460—Your Cost... $1.75

Zenith Replacement 22-59
The official replacement condenser for Zenith Radio. Can also be used as a general replacement. Black condenser, Green 2 mfd., Blue 4 mfd., Yellow 4 mfd., two Whites 25 mfd. Size 13$4x4x2½ ins. Shipping weight 6 lbs.

B863—Your Cost Special... 95¢

General Motors Model "A"
Chassis: 120, 130, 140, 150, 160
Filter Block
Made expressly for the above series of General Motors model receivers. Will fit the chassis exactly; changes are unnecessary. Guaranteed. Shipping weight 8 lbs.

B1325—Your Cost... $3.90

Ozarka Radio Filter Condenser
General purpose replacement filter condenser back. Consists: Two 2 mfd. One 4.5 mfd. and two .5 mfd. 400 volt. D C. in metal container. Size 2½x2½x½ ins. high. With mounting flanges. Shipping weight 3 lbs.

B649—Your Cost Special... 49¢
**Replacement By-Pass Condensers**

**Colonial By-Pass Condenser.**

<table>
<thead>
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<th>No.</th>
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</thead>
<tbody>
<tr>
<td>For Model</td>
<td>32</td>
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</tbody>
</table>

The genuine Colonial By-pass condenser contains 3 mfd and one 1 mfd at 350 volts. Replacement in Kennedy Model 20 receiver. General replacement and experimenter's condenser block. Full shielded in metal case with mounting base. Size 0x2x1.5. Better stock a dozen while last. Shipping weight 3 lbs.

B688—Your Cost Each...55¢

Similar in appearance to above. Part No. 1726-SA. .1 .1 .25.1 mfd.

B691—Your Cost Each...98¢

**Crosley Replacements.**

These replacement by-pass condensers are made for replacement in Crosley receivers. They are ACTLY DUPLICATE the original in every respect. The listing below covers the entire Crosley line of receivers. All are brand new and guaranteed. Shipping weight 10 oz.

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<td>B701</td>
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**Fleischheim By-Pass and Filter Condensers.**

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<td>D2826 .5 2 .25</td>
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<td>D2827 2 .0 2 .25</td>
<td>$1.15</td>
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<tr>
<td>D2830 4 .0 2.50</td>
<td>$1.65</td>
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</table>

**Sparton Tabular Condensers.**

| New and improved type, fully shielded in metal shell. Made expressly for Sparton replacement. |

**By-Pass Condenser Block.**

For RCA 80, 82, 86; G. E. H-31, H-39, H-71; Westinghouse WR-6, 0, 7.

Part No. 7058

Contains three .1 mfd and one .5 mfd, and one 1.0 mfd in a metal container. An exception of well built condenser. Can be used in general by-pass work. Shipping weight 2 lbs.

B530—Your Cost Each...45¢

For RCA Models 17-50-60-62-64 two 1.5 mfd.

B491—Your Cost Each...25¢

**RCA Victor Replacements.**

For RCA Models 44-46-47.

Part No. 6002; One .1 mfd. One .5 mfd.

Your Cost $3.15

**Radial Model 64**

Victor Models 9-18, 9-64 Part No. 5862

By-Pass Assembly. The Original Radial. By-Pass Condenser Assembly. Contains One 2 mfd, Two 1.5 mfd, and One 3 mfd. Shipping weight 3 lbs.

B1005—List Price $5.90

Your Cost...$1.45

**Radial Model 67**

Part No. 8438 By-Pass Assembly. Same in appearance to above. Original Part. Contains: One 2 mfd, Two .5 mfd, and Three 1 mfd. Shipping weight 3 lbs.

B1006—List Price $5.90

Your Cost...$1.55

**Capacitor Pack:**

Radial Model 66 Graybar Model 600

Similar in Appearance to Above. This is the genuine Radial Part No. 6021. Capacitor Pack, comprising three .5 mfd, two .05 mfd by-pass condensers and one audio transistor. Duty capacity is limited. Shipping weight 3 lbs.

C2172—Your Cost...$5.75

**Atwater-Kent By-Pass Condensers.**


Your Cost, Either Type...

**R. F. By-Pass Condenser.**

For A. K. Models 37, 38, 40, 46, 42 and 44.

Those condensers are guaranteed to give service equal or superior to the originals. No better obtainable at any price. Exact size. Shipping weight 4 oz.

D3961—Your Cost Each...55¢

**Speaker By-Pass Condensers.**

For A. K. Models 37, 38, 40, 46, 42 and 44.

Those condensers are guaranteed to give service equal or superior to the originals. No better obtainable at any price. Exact size. Shipping weight 4 oz.

D3961—Your Cost Each...55¢

**Sparrow Tabular Condensers.**

New and improved type, fully shielded in metal shell. Made expressly for Sparton replacement.

**By-Pass Condenser Assembly.**

Part Nos. 50-55, RE-200-250 and RA-78.

Part No. 7285, comprising one .1 mfd, one .5 mfd, two .1 mfd, 6 leads. Shipping weight 2 lbs.

B530—List Price $3.50

Your Cost...

For Part No. 7286, similar in appearance to above, comprising one .1 mfd, one .5 mfd, three .1 mfd. All have separate common leads. 10 leads. Shipping weight 3 lbs.

B529—List Price $4.50

Your Cost...

**Distributor**

www.americanradiohistory.com
Cardboard Container

The cardboard box type of the Dry electrolytic condenser offers the maximum mid. capacity combined with minimum size and weight. It is also the most economical in cost and lends itself most readily to any position of mounting. Ideal for replacing blown paper condensers by simply slipping into the original container. D.C. Working Voltage — 110 V.C. - Max. surge voltage 300. Size 4 x 4 x 3 1/2. Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Cap.</th>
<th>Dimension</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2775</td>
<td>2</td>
<td>1/2 x 1</td>
<td>$5.56</td>
</tr>
<tr>
<td>D2776</td>
<td>4</td>
<td>1/2 x 1</td>
<td>$5.40</td>
</tr>
<tr>
<td>D2777</td>
<td>6</td>
<td>1/2 x 1</td>
<td>$5.20</td>
</tr>
<tr>
<td>D2778</td>
<td>8</td>
<td>1/2 x 1</td>
<td>$4.90</td>
</tr>
<tr>
<td>D2780</td>
<td>10</td>
<td>1/2 x 1</td>
<td>$4.70</td>
</tr>
<tr>
<td>D2782</td>
<td>12</td>
<td>1/2 x 1</td>
<td>$4.50</td>
</tr>
<tr>
<td>D2784</td>
<td>14</td>
<td>1/2 x 1</td>
<td>$4.30</td>
</tr>
<tr>
<td>D2788</td>
<td>16</td>
<td>1/2 x 1</td>
<td>$4.10</td>
</tr>
<tr>
<td>D2791</td>
<td>18</td>
<td>1/2 x 1</td>
<td>$3.90</td>
</tr>
<tr>
<td>D2792</td>
<td>20</td>
<td>1/2 x 1</td>
<td>$3.70</td>
</tr>
<tr>
<td>D2793</td>
<td>22</td>
<td>1/2 x 1</td>
<td>$3.50</td>
</tr>
</tbody>
</table>

Trusted Intermediate Tuning Condensers

These condensers are the dual type, island links bases, conditioned to resist moisture, and to maintain surface resistance. The principal use for these condensers is in the study of intermediate frequency transformers in superhet receivers. Materials are of the highest grade, as both high q. and selectivity of the receiver are dependent upon the quality of these condensers. Size 1 1/4 x 1 1/4 x 1 1/4. Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Range</th>
<th>List</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>H9732</td>
<td>140-220</td>
<td>$1.00</td>
<td>$3.35</td>
</tr>
<tr>
<td>H9733</td>
<td>70-140</td>
<td>.90</td>
<td>$3.35</td>
</tr>
<tr>
<td>H9734</td>
<td>40-70</td>
<td>.80</td>
<td>$3.35</td>
</tr>
</tbody>
</table>

Trusted Super Power Condensers

These filter condensers are all non-inductive distortion. The dielectric material employed is 100% pure linen paper, free from acid, alkali, bleaching materials, and impurities. They are thoroughly pre-conditioned. Size 1 1/4 x 1 1/4 x 1 1/4. Shipping weight 1 lb.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Capacity D.C.W.V.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5435</td>
<td>1 mfd. 1000</td>
<td>$9.75</td>
</tr>
<tr>
<td>E5441</td>
<td>2 mfd. 1000</td>
<td>$9.50</td>
</tr>
<tr>
<td>E5441</td>
<td>4 mfd. 1000</td>
<td>$9.25</td>
</tr>
<tr>
<td>E5441</td>
<td>6 mfd. 1000</td>
<td>$9.00</td>
</tr>
<tr>
<td>E5441</td>
<td>8 mfd. 1000</td>
<td>$8.75</td>
</tr>
<tr>
<td>E5441</td>
<td>10 mfd. 1000</td>
<td>$8.50</td>
</tr>
</tbody>
</table>

Hammarlund Equalizer

This is a very tiny equalizing condenser, having a capacity range of from 25 mmds minimum to 80 mmds maximum. The dielectric condensers, equalizing capacitance, are very efficient for use as neutralizing and balancing condensers. Can be attached directly to condenser or to binding post of source. Is also used for balancing multiple tuned circuits, or for equalizing gang condensers; also in parallel tuning with a transformer. Has a high g. line dielectric, with flexible phosphor bronze plate, and a moulded bakelite base. The size of base is 1 1/4" by 1 1/4" by 7/8".

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Per Dozen</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>H9749</td>
<td>$1.35</td>
<td>$12.60</td>
</tr>
</tbody>
</table>

Your Cost Each
Trusted Dry Electrolytic Condensers offer the widest selection available. Their superior performance, with higher voltage protection, which are inherent features of "Trusted Unsurpassed Quality."

### Multiple Sections

<table>
<thead>
<tr>
<th>Stock Cap'y Mfd.</th>
<th>Can Your Size</th>
<th>Six</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3316</td>
<td>4</td>
<td>$1.15</td>
</tr>
<tr>
<td>D3320</td>
<td>6</td>
<td>$1.45</td>
</tr>
<tr>
<td>D3325</td>
<td>8</td>
<td>$1.65</td>
</tr>
<tr>
<td>D3330</td>
<td>10</td>
<td>$1.85</td>
</tr>
<tr>
<td>D3335</td>
<td>12</td>
<td>$2.05</td>
</tr>
<tr>
<td>D3340</td>
<td>14</td>
<td>$2.25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock</th>
<th>Capacity Size</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 x 11 x 11</td>
<td>D3320</td>
<td>3</td>
<td>$0.49</td>
</tr>
<tr>
<td>14 x 9 x 9</td>
<td>D3322</td>
<td>3</td>
<td>$0.50</td>
</tr>
<tr>
<td>12 x 9 x 9</td>
<td>D3324</td>
<td>3</td>
<td>$0.50</td>
</tr>
<tr>
<td>10 x 9 x 9</td>
<td>D3326</td>
<td>3</td>
<td>$0.50</td>
</tr>
</tbody>
</table>

**Cardboard type, two heavy mounting flanges, mounts under chassis. Separate terminals for each section. 4 3/4" length.**

**Single 8 Mfd.**

This Trusted 8 mfd. 500v peak Condenser is similar to above, except that it has a waxed cardboard container. Used for set building; in replacement work, and to substitute for old type wax paper condensers. It is thoroughly insulated. Size 4 3/4 x 11 x 11. Shipping weight 1 lb. Six for $1.10.

**Stock Cardboard Filter and General By-Pass Units**

Suitable for use in the manufacture of radio sets or as 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" Blus by-pass condensers.

**Cardboard Container—500 Volts Peak**

<table>
<thead>
<tr>
<th>Stock Cap'y Mfd.</th>
<th>Size</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3346</td>
<td>4</td>
<td>$0.36</td>
</tr>
<tr>
<td>D3347</td>
<td>6</td>
<td>$0.40</td>
</tr>
<tr>
<td>D3348</td>
<td>8</td>
<td>$0.43</td>
</tr>
</tbody>
</table>

**Low Voltage Electrolytic Condensers**

<table>
<thead>
<tr>
<th>Round Cans with 1/4&quot; Mounting Studs</th>
<th>Capacity Size</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3355 10</td>
<td>25</td>
<td>$0.40</td>
</tr>
<tr>
<td>D3356 12</td>
<td>25</td>
<td>$0.45</td>
</tr>
<tr>
<td>D3357 15</td>
<td>25</td>
<td>$0.50</td>
</tr>
<tr>
<td>D3358 20</td>
<td>25</td>
<td>$0.55</td>
</tr>
</tbody>
</table>

**Effect of Frequency Changes on Capacity and Power Factor**

The capacity and power factor curves represent measurement of 8 mfd. condensers, 500 volt peak rating, at 25 degrees Centigrade. The power factor taken by the Watts bridge method. The curves clearly show the capacity of the Trusted Dry Electrolytic Condensers remains almost constant from 50 to 600 cycles, and the power factor remains very low, under all ordinary operating conditions.

**Trusted Dry Electrolytic Cartridge Condensers**


<table>
<thead>
<tr>
<th>Stock Cap'y Mfd.</th>
<th>Can Your Work Your Size</th>
<th>Six</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3380</td>
<td>6</td>
<td>25</td>
</tr>
<tr>
<td>D3385</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>D3390</td>
<td>15</td>
<td>25</td>
</tr>
<tr>
<td>D3395</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>D3396</td>
<td>25</td>
<td>25</td>
</tr>
</tbody>
</table>

WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave., New York
**Trutest Dry Electrolytic Condenser Kit**

Every Service Man and Shop should have this Valuable Dry Electrolytic Condenser Kit. No matter what type or model receiver is being serviced, these replacements will serve the purposes.

- **You are prepared to service over thousands of models with this kit.**
- **Electrolytic sections are of the dry type.**
- **All negative terminals are grounded so they can be used on the Multiple Upright Types.**
- **Other types have color coded leads or lugs.**

Each of the following types in this Kit. Shipping weight 3 lbs.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D3260</td>
<td>1.20</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>$0.18</td>
</tr>
<tr>
<td>D3261</td>
<td>.25</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>.21</td>
</tr>
<tr>
<td>D3262</td>
<td>1.00</td>
<td>200</td>
<td>.10</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3263</td>
<td>1.20</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3264</td>
<td>2.00</td>
<td>200</td>
<td>.10</td>
<td>200</td>
<td>.54</td>
</tr>
<tr>
<td>D3265</td>
<td>1.00</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>.35</td>
</tr>
<tr>
<td>D3266</td>
<td>2.50</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3267</td>
<td>.50</td>
<td>200</td>
<td>.20</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3406</td>
<td>1.00</td>
<td>200</td>
<td>.10</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3269</td>
<td>1.00</td>
<td>200</td>
<td>.10</td>
<td>200</td>
<td>.29</td>
</tr>
<tr>
<td>D3270</td>
<td>2.50</td>
<td>200</td>
<td>.10</td>
<td>200</td>
<td>.33</td>
</tr>
<tr>
<td>D3271</td>
<td>5.00</td>
<td>400</td>
<td>.10</td>
<td>400</td>
<td>.33</td>
</tr>
<tr>
<td>D3272</td>
<td>1.00</td>
<td>400</td>
<td>.10</td>
<td>400</td>
<td>.43</td>
</tr>
</tbody>
</table>

**Complete Kit as above $8.95**

**Trutest By-Pass Condensers**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D3100</td>
<td>Strip &quot;A&quot;</td>
<td>.20</td>
<td>200</td>
<td>200</td>
<td>$1.50</td>
</tr>
<tr>
<td>D3101</td>
<td>Strip &quot;B&quot;</td>
<td>.20</td>
<td>200</td>
<td>200</td>
<td>$1.70</td>
</tr>
</tbody>
</table>

**Cornell "Cub" Condenser Kit**

This Condenser Kit contains an assortment of the most popular capacities used in the leading sets. Each Condenser is new and contains a complete assortment of sizes. This kit can be kept complete by re-stocking with standard "Cub" Condensers. Kit contains the following capacitors and voltages. Shipping weight 3 lbs.

- Units Cap'y Volts Units Cap'y Volts Units Cap'y Volts 4 .01 400 2 .05 400 4 .02 600 2 .05 400 4 .1 200 2 .5 400 5 .0 1000 2 .5 200 1 .0 200 2 .5 200 1 .0 300 2 .5 200 0 .01 400 2 .40 300 2 .5 200 0 .01 300 2 .5 200 0 .01 400 2 .5 200 0 .01 600 2 .5 200

**Cornell "Cub" Cartridge Condenser**

Here is a Kit containing 25 each of the most popular capacities used in service every make and type of receiver. Every service man should have this Kit in his shop. You are prepared at all times to properly service for condenser trouble. The following are the capacities and voltage ratings.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Cap'y Voltage</th>
<th>Units Volts</th>
<th>Units Cap'y Volts</th>
<th>Units Cap'y Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3238</td>
<td>List Price $18.00</td>
<td>.10</td>
<td>.10</td>
<td>.10</td>
</tr>
</tbody>
</table>

**Cornell "Cub" Condenser Clips**

- **Type "A"** Horizontal
- **Type "B"** Vertical

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Cap'y Voltage</th>
<th>Units Volts</th>
<th>Units Cap'y Volts</th>
<th>Units Cap'y Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3240</td>
<td>.400</td>
<td>5 .00</td>
<td>5 .00</td>
<td>5 .00</td>
</tr>
<tr>
<td>D3241</td>
<td>.500</td>
<td>5 .00</td>
<td>5 .00</td>
<td>5 .00</td>
</tr>
<tr>
<td>D3242</td>
<td>.600</td>
<td>5 .00</td>
<td>5 .00</td>
<td>5 .00</td>
</tr>
<tr>
<td>D3243</td>
<td>.700</td>
<td>5 .00</td>
<td>5 .00</td>
<td>5 .00</td>
</tr>
<tr>
<td>D3244</td>
<td>.800</td>
<td>5 .00</td>
<td>5 .00</td>
<td>5 .00</td>
</tr>
</tbody>
</table>

**"Cub" Condenser Clips List**

- **Type "A" Horizontal**
- **Type "B" Vertical**

**Replacement Parts Headquarters for Dealers and Service Men**
Aerovox Hi-Farad Dry Electrolytic Condensers (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 terminal securely riveted. Operate perfectly over a wide range of temperatures. May be mounted very close to each other without causing electrostatic coupling. Peak voltage 300 volts.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Capacity L.W.D.</th>
<th>Each</th>
<th>Not</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3254</td>
<td>2</td>
<td>1/2</td>
<td>.57</td>
</tr>
<tr>
<td>D3257</td>
<td>4</td>
<td>1/2</td>
<td>.66</td>
</tr>
<tr>
<td>D3273</td>
<td>4</td>
<td>1/2</td>
<td>.78</td>
</tr>
<tr>
<td>D3280</td>
<td>8</td>
<td>1/2</td>
<td>.87</td>
</tr>
<tr>
<td>D3290</td>
<td>4</td>
<td>1/2</td>
<td>.87</td>
</tr>
<tr>
<td>D3300</td>
<td>4</td>
<td>1/2</td>
<td>.87</td>
</tr>
<tr>
<td>D3311</td>
<td>8</td>
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<td>8</td>
<td>1/2</td>
<td>1.26</td>
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<td>1.35</td>
</tr>
<tr>
<td>D3313</td>
<td>8</td>
<td>1/2</td>
<td>1.47</td>
</tr>
</tbody>
</table>

(*) Dual section; capacity of each section.

Wire Wound Resistors Type 986

Designed especially for use in A. C. filament circuits. All terminals are solidly anchored, the units are center tapped and the terminal lug are designed to simplify mounting and connections. Guaranteed accuracy 10%. Available in the following resistance values: (state value wanted).

- 10 ohms 30 ohms 60 ohms 100 ohms 200 ohms 400 ohms 600 ohms 1000 ohms

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3970</td>
<td>15¢</td>
</tr>
</tbody>
</table>

Type 981

Wire wound on flat fibre strips. The extremely low inductance and distributed capacity of these units make them ideally suited for use as grid suppressors. Available in following ohmages (state value wanted):

- 100 ohms 250 ohms 600 ohms 1000 ohms

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>D19371</td>
<td>12¢</td>
</tr>
<tr>
<td>D19372</td>
<td>18¢</td>
</tr>
</tbody>
</table>

Aerovox Resistor Mountings

- D1956 Single |
- D1957 Double |
- D1958 Each

Carbon Resitors

Absolutely noiseless and permanent on full load. Either type available in the following resistances:

- 100 ohms 1000 ohms 250 15000 ohms 500 20000 ohms 600 20000 ohms 750 24000 ohms 1000 500000 ohms 1500 200000 ohms 2000 2500000 ohms 2500 5000000 ohms

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>X2015</td>
<td>15¢</td>
</tr>
</tbody>
</table>

Aerovox Cement-coated Wire Wound Resistors

- Designed especially to meet requirements for low priced high resistance units of small dimensions and high voltage carrying capacity. The resistances are wound on porcelain tube with high grade cable wire of low temperature coefficient. They are coated with a newly developed resistant compound which will not chip or crack. Have terminal leads.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resist. Ohms</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>X2020</td>
<td>500</td>
<td>$0.35</td>
</tr>
<tr>
<td>X2025</td>
<td>1000</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2027</td>
<td>1000</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2024</td>
<td>1500</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2026</td>
<td>2000</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2030</td>
<td>2500</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2021</td>
<td>3000</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2028</td>
<td>3500</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2031</td>
<td>4000</td>
<td>$0.63</td>
</tr>
<tr>
<td>X2032</td>
<td>4500</td>
<td>$0.63</td>
</tr>
</tbody>
</table>

Type PR Condenser

This type condenser is very useful in circuits where the voltage is low and the capacity necessary is high. Are used for the by-passing of "C" bias resistors in audio frequency circuits, for by-passing in audio amplifiers, for by-passing the "C" bias second detector of Superhet circuits, etc.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1752</td>
<td>$0.63</td>
</tr>
</tbody>
</table>
**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.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Mfd.</th>
<th>Price</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>D3911</td>
<td>01</td>
<td>020</td>
<td>$0.12</td>
</tr>
<tr>
<td>D3912</td>
<td>02</td>
<td>040</td>
<td></td>
</tr>
<tr>
<td>D3913</td>
<td>03</td>
<td>040</td>
<td></td>
</tr>
<tr>
<td>D3915</td>
<td>05</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>D3917</td>
<td>25</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>D3918</td>
<td>50</td>
<td>200</td>
<td></td>
</tr>
<tr>
<td>D3923*</td>
<td>1-1</td>
<td>200</td>
<td>$0.30</td>
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<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Capacity</th>
<th>List Net</th>
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<tbody>
<tr>
<td>D3844</td>
<td>0.0004</td>
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<td>D3845</td>
<td>0.0005</td>
<td>$0.15</td>
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<tr>
<td>D3846</td>
<td>0.00075</td>
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<td>D3847</td>
<td>0.001</td>
<td>$0.12</td>
</tr>
<tr>
<td>D3849</td>
<td>0.002</td>
<td>$0.10</td>
</tr>
<tr>
<td>D3850</td>
<td>0.005</td>
<td>$0.09</td>
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<td>D3852</td>
<td>0.003</td>
<td>$0.08</td>
</tr>
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<td>0.001</td>
<td>$0.05</td>
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<td>D3855</td>
<td>0.004</td>
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<tr>
<td>D3857</td>
<td>0.005</td>
<td>$0.04</td>
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<td>D3858</td>
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<tr>
<td>D3860</td>
<td>0.01</td>
<td>$0.03</td>
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<tr>
<td>D3861</td>
<td>0.015</td>
<td>$0.03</td>
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<td>D3862</td>
<td>0.02</td>
<td>$0.02</td>
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<tr>
<td>D3863</td>
<td>0.025</td>
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<td>D3864</td>
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<tr>
<td>D3865</td>
<td>0.04</td>
<td>$0.02</td>
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<td>D3866</td>
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<tr>
<td>D3867</td>
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<td>$0.02</td>
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<td>D3868</td>
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<tr>
<td>D3869</td>
<td>0.1</td>
<td>$0.02</td>
</tr>
</tbody>
</table>

**Type 1450 Mica**


**Aerovox By-pass Condenser**

These condensers are probably better known to manufacturers of radio service men than any line of by-passes on the market. Made of special foil, non-inductive dielectric, thoroughly impregnated, and compactly built. Sections are hermetically sealed in stamped metal cases, with terminal lugs on side, or connecting end fitting are available in capacities and voltage ratings used in standard radio equipment, and are particularly suitable for all replacement work. Mounted by means of a strap on each side of the can, with 1/4" hole.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Mfd.</th>
<th>Voltage Each</th>
</tr>
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<tbody>
<tr>
<td>D3874</td>
<td>05</td>
<td>200</td>
</tr>
<tr>
<td>D3876</td>
<td>25</td>
<td>400</td>
</tr>
<tr>
<td>D3878</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>D3879</td>
<td>50</td>
<td>200</td>
</tr>
<tr>
<td>D3881</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>D3882</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>D3883</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>D3885</td>
<td>100</td>
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<tr>
<td>D3886</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>D3887</td>
<td>100</td>
<td>400</td>
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</table>

**Type 60 Single Section**

Size 2 1/2" long, 1/4" wide, 1/4" high.

**Type 60 Multiple Section**

Size 2 1/2" long, 2 1/4" wide, 1" high (1 1/4" high).

**Aerovox Conondensers for Auto Radios**

Heat resisting, will withstand temperature of 160 degrees. D.C. working voltage 200 at 115 degrees. 160 at 300 degrees. Drawn metal containers with encircling rugged steel mount.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Mfd.</th>
<th>Dia.</th>
<th>High Cost</th>
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<tr>
<td>D3985</td>
<td>100</td>
<td>1.4</td>
<td>$0.39</td>
</tr>
<tr>
<td>D3986</td>
<td>150</td>
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</tr>
<tr>
<td>D3987</td>
<td>200</td>
<td>1.6</td>
<td>$0.41</td>
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**Aerovox Filter Condensers**


<table>
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<th>Stock No.</th>
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<th>Size</th>
<th>Inches</th>
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<tr>
<td>D3933</td>
<td>1</td>
<td>5 x 1 1/4 x 1 3/4</td>
<td>$0.64</td>
</tr>
<tr>
<td>D3940</td>
<td>1</td>
<td>5 x 1 1/4 x 1 3/4</td>
<td>$0.64</td>
</tr>
<tr>
<td>D3941</td>
<td>2.0</td>
<td>2 x 1 1/4 x 1 3/4</td>
<td>$0.90</td>
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</tbody>
</table>

**Pyrohm Center Taped Filament Resistors**

These center taped resistors are designed for use with the filament of transmitting tubes to obtain the electrical center of the filament. Made of the best grade resistance wire of a low temperature coefficient, wound on special tubes, coated with porcelain enamel, which is fired on, fully protecting the resistance wire against oxidation and accidental injury. Positive contact between wire and terminals. They will carry the plate and grid current of the tube without heating.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Mfd.</th>
<th>Resistance</th>
</tr>
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<tr>
<td>D3955</td>
<td>20</td>
<td>2.0</td>
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<tr>
<td>D3956</td>
<td>100</td>
<td>7.5</td>
</tr>
<tr>
<td>D3957</td>
<td>100</td>
<td>10.0</td>
</tr>
</tbody>
</table>

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

www.americanradiohistory.com
The serviceman will receive the addition to this well known line of Volume Controls, "Snap-Off Switch Assembly" in the form of a comprehensive and comprehensive listing of replacement Vo- lume Controls for most makes, and by every Dealer's Supply House. It's contents have been checked and re-checked to insure its accuracy.

Enjoy the peace of mind that you are getting exactly the proper unit for the job. All Electrad Volume Controls that sell for 59c have extra long shafts to meet any mounting condition. These are supplied without A.C. switch. The new "Snap-Off" Switch is made for use only with these controls selling for 69c. All other controls are made according to the specifications of each one.

Manufacturer Stock Your No. Cost

Crosley Radio Corp. Model SG-8...

Crosley Phonograph Co.

31, 38, 52, 74, 5919, 58

32, 34, 5912, 59

Dayton Radio Corp.

602, 608, 609, 114" Shaft... 5972, 58

904 (Short Shaft)... 5955, 59

Buddy, Chum... 5916, 59

502, 315, 338, 445, 59

AC-7... 5922, 59

825, 405, 415, 425, 438, 5966, 59

Early... 5920, 59

77, 84, 89, 28, 121, 121-1 Series... 5974, 59

32, 34, 5974, 59

80, 59, 60, 5972, 59

90, 90B, 100, 100B, 25B, 1006, 59

70, 704B, 706, 706DC, 706AC... 5978, 59

5984, 59

8902, 59

Bosch

30, Cruisers, 57, 87, 76, 76, 76, 410S, 59

96, DC-96, 146, 166, 176, 59

46C, 126, 107, 116, 59

62, 103... 8002, 59

28, 29, 8000, 59

5-A, 205, 7996, 59

40, 200, 203, 20K, 20L, 31, 86, 59

37, 130, 135, 74, 8029, 59

80, 84, 8040, 59

60, 65, 8046, 59

100 (Auto Radio)... 8047, 59

48AC, 54DC, 8052, 59

242, 260, 8050, 59

250, 312 (Tone Control)... 8014, 59

Bremer-Tully Mfg. Co.

6, 81, 82, 14, 21, 31, 31A... 9703, 59

4-40, Counterphase-4... 9704, 59

7-70, 7-71, 8-20, 8-21... 9702, 59

S-41, S-82, 88 (88 cycle)... 9703, 59

82, 93, 59

Brunswick, Balke, Collender Co.

B-17, P. R. 17-8... 9736, 59


3NC, 3NW, 6NC... 9738, 59

17, 24, 25, 4PA, VA... 9739, 59

14, 26, 27, 51, S81, S81, S81, 9797, 1.12

10, DCU1, DCU1, DC1, 9791, 59

R1... 9740, 59

R1... 9720, 59

D11, 12, 16, 33... 9722, 59

14, 26, 33, 9722, 59

31... 9722, 59

Colonial Radio Corp.

16-6, 16-7, 20, 20-21... 9705, 59

47, 48, 49, 49, 9705, 59

44, 45, 45, 9705, 59

Model No. 2... 5801, 59

582, AC... 9798, 1.12

Eldred Electrical Controls

Stock Your No. Cost

Manufacturer

Freshman

Masterpiece, Equaphone... 7905, 59

10, 11, 19, 22, H, 2N... 7904, 59

Fried-Edison Radio Corp.

NBY, 8, 9, 10, 12, 40, 40, FEI5, 18, NR200, 77... 7905, 59

NT, 67, 70, NR30, DC A, 7902, 59

49, 7N, 99, 79... 7903, 59

NR6, AC & DC... 7904, 59

General Electric Co.

H-71, H-31, H-31... 7919, 59

H-32... 7919, 59

K-62... 7934, 59

Model T-12-D... 7902, 59

General Motors Radio Corp.

Six Junior, 6-41, 6-6B, 5000, 5975... 7905, 59

Day Pan Nos. 8AC, 5008, 5091... 7902, 59

216, 217, 219, 250, 7912, 59

Chassis SIA, SIB... 8057, 1.06

Chassis SIA, SIB, SQA, SSB... 7902, 59

Models 252, 253, 254, 255, 256, 257, 258... 8058, 1.06

Chassis SQA, SSB... 8058, 1.06

Graybar Electric Co.

311... 7937, 59

790, 770, 900... 7931, 59

Grebe & Co., A. H.

AC6, AC7, 428, HS-4... 7902, 59

AH... 7918, 59

SAC... 8086, 59

HS-4 Models 1, 2, 3, 4... 7903, 59

SK-4DC... 7911, 59

Gribsby-Grumman Co.

70, 705, 120, 121, 7903, 59

180, 90, 91, 91, 100B... 7903, 59

20, 21, 22, 23... 7901, 59

16, 16B, 25, 150, 7912, 59

AC... 200, 110... 8001, 88

Majoristic 25B and 33 Chassis... 8001, 88

Majoristic 19Chassis, 19, 20, 7903, 59

Majoristic 25, Ellwood, and Sherwood, Majoristic 19, 20, 7903, 59

Combination... 8020, 1.19

Majoristic 69 Chassis... 8019, 1.19

Majoristic 19 Chassis... 8018, 1.19

Majoristic 19 Chassis... 8019, 1.19

Majoristic 20... 8019, 1.19

110... 8018, 1.19

210... 8019, 1.19

Kellogg Switchboard

5 Tube B, and 7 Tube A, 533, 533A... 7903, 59

425, 426... 7903, 59

Kennedy Corp., Colin B.

10... 7903, 59

30... 7904, 59

Short Wave Unit for 826, 30... 7906, 59

20... 7906, 59

20... 7906, 59

Models 52, 52A... 8008, 59

Majoristic 69 Chassis... 8019, 1.19

Model 62... 8010, 1.22

24... 8011, 1.22

24... 8012, 1.22

44... 8012, 1.22
Free Volume Control Guide will be sent with orders of 5 or more CRL Controls. The revised listing of Centralab volume controls that the serviceman has been waiting for. This list consists of "Specials" that are manufactured and built for applications that it is not intended to illustrate above without cover to show construction. Such controls have metal cover providing complete protection from dust.

Centralab Power "L" Pad

Commercial Type
Used in circuits where the amount of power is limited to 10 watts. Commonly used as a voice coil control of Dynamic Speakers. The unit provides constant impedance to the line and thus, when used in multiple circuits, does not disturb the adjustment of other sections of the same circuit.

List Price $5.00
Your Cost $2.45

Giant Type
The Giant Power "L" Pad consists of two heavy wire wound sections of large dimensions. These units are recommended for installations in systems where the output exceeds 10 watts. For example: large public address systems where multiple circuits are used with no amplifiers are employed.

List Price $5.00
Your Cost $2.45
**Controls**

### Name and Model

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>NR5, NR6, NR7, NR8 and 8A, NR9, 110, 100, 111, 112</td>
<td>$6879</td>
<td>50.73</td>
</tr>
<tr>
<td>FE15, FE18, NR20, 66 and 68, NR77, NR53, NR78-DC</td>
<td>$8905</td>
<td>1.47</td>
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<tr>
<td>NR110-6C, NR20-6C, NR55 and 50-6C</td>
<td>$5890</td>
<td>1.47</td>
</tr>
<tr>
<td>NR60-DC, NR60-AC, NR57</td>
<td>$1893</td>
<td>.96</td>
</tr>
<tr>
<td>NR601-AC</td>
<td>$989</td>
<td>.73</td>
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<tr>
<td>NR800-AC</td>
<td>$1893</td>
<td>.96</td>
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<tr>
<td>NR879, 905GA, NR657, &quot;Special&quot;</td>
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<td>.96</td>
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### Freshman Radio Corp.

<table>
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<th>Stock</th>
<th>Year</th>
<th>Cost</th>
</tr>
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<tbody>
<tr>
<td>2G-15 and 3G-16, N12, N17, L-2, Q-16-8, Series Q-16-8</td>
<td>$4786</td>
<td>.73</td>
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<tr>
<td>&quot;Special&quot;</td>
<td>$1893</td>
<td>.96</td>
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<td>H, K and K-605, M, Land LS</td>
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<td>.73</td>
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<td>41-AC and Earl 41, 31, 32A</td>
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<td>21AC, 22(Earl), 21, 22</td>
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<td>21-DC, 24, 31, 33-DC</td>
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<td>.96</td>
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### General Electric Co.

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<td>T14-RCS</td>
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<td>HS5-1, H71</td>
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<td>S-22, 22-SX-5-42</td>
<td>$7844</td>
<td>.73</td>
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<tr>
<td>T-72</td>
<td>$1893</td>
<td>.73</td>
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### General Motors Radio Corp.

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<th>Stock</th>
<th>Year</th>
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<tr>
<td>DeLco 5000 Auto &quot;Special&quot;</td>
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<td>A, 110, 110, 110, 110, 160</td>
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<td>MA110, 190</td>
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<td>211, 211, 231, 233</td>
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<td>.73</td>
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<td>220, 310B, 310B</td>
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<td>.96</td>
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<td>S-3B, 235, 245, 256, 257, 258</td>
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<td>.96</td>
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<td>.96</td>
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### Graybar Electric Co.

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<th>Stock</th>
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<td>700, 770, 900</td>
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<tr>
<td>Midget</td>
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### A. H. Grebe & Co. Inc.

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<th>Stock</th>
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<td>428 Synchromat AC-6; Synchromat AC-7</td>
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<td>Early Synchromat SK-4 AC</td>
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<td>HS4-1, 2, 4</td>
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<td>.96</td>
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### Grigsby-Grumow (Majestic)

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
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<tbody>
<tr>
<td>70 series, 60-70-B</td>
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<td>.73</td>
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<td>180-181, &quot;Special&quot;</td>
<td>$1893</td>
<td>.73</td>
</tr>
<tr>
<td>Series 50, Midget Super</td>
<td>$5890</td>
<td>1.36</td>
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<tr>
<td>90, 91, 92, 321 &quot;Special&quot;</td>
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<td>90 series</td>
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<td>1.36</td>
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<td>30, 31, 131, 132, 233 &quot;Special&quot;</td>
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<td>1.47</td>
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<tr>
<td>100 Series, 100B &quot;Special&quot;</td>
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<td>130A, 230A</td>
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<tr>
<td>Midget Series 20</td>
<td>$5890</td>
<td>1.36</td>
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<tr>
<td>60 Series 160</td>
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<tr>
<td>Midget Super &quot;Special&quot;</td>
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<td>15B, &quot;Special&quot;</td>
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<td>25, &quot;Special&quot;</td>
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<td>.97</td>
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<td>110, &quot;Special&quot;</td>
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### Kellogg Switchboard & Supply Co.

<table>
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<tr>
<th>Stock</th>
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<td>6 tube 507, 520 series</td>
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<td>530 series, 533, 534, 535</td>
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<td>K42, 28, 27, 28</td>
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<tr>
<td>Screen Grid Receiver</td>
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### Colin B. Kennedy Corp.

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
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<tbody>
<tr>
<td>KR 15 and 16</td>
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</tr>
<tr>
<td>&quot;Royale&quot; 90</td>
<td>$6879</td>
<td>50.73</td>
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<tr>
<td>12 S.G., 10, 20, 20B, &quot;Special&quot;</td>
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### Power Rheostats

<table>
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<tr>
<th>Stock</th>
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<tbody>
<tr>
<td>50-Watt</td>
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<tr>
<td>25-Watt</td>
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</table>

### Volume Controls

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Stock</td>
<td>Resistance</td>
<td>Your Cost</td>
</tr>
<tr>
<td>$6890</td>
<td>6 ohms</td>
<td>$5.90</td>
</tr>
<tr>
<td>$6890</td>
<td>15 ohms</td>
<td>$5.90</td>
</tr>
<tr>
<td>$6890</td>
<td>25 ohms</td>
<td>$5.90</td>
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<tr>
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<td>50 ohms</td>
<td>$5.90</td>
</tr>
<tr>
<td>$6890</td>
<td>100 ohms</td>
<td>$5.90</td>
</tr>
</tbody>
</table>

### Constant Impedance "T" Pad

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6890</td>
<td>5000 ohms</td>
<td>$9.90</td>
</tr>
<tr>
<td>$6890</td>
<td>15000 ohms</td>
<td>$9.90</td>
</tr>
<tr>
<td>$6890</td>
<td>6000 ohms</td>
<td>$9.90</td>
</tr>
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</table>

### Constant Impedance "L" Pad

<table>
<thead>
<tr>
<th>Stock</th>
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<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6890</td>
<td>50000 ohms</td>
<td>$9.90</td>
</tr>
<tr>
<td>$6890</td>
<td>150000 ohms</td>
<td>$9.90</td>
</tr>
<tr>
<td>$6890</td>
<td>500000 ohms</td>
<td>$9.90</td>
</tr>
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</table>

### Phonograph Pickup Fader for Two Turn Tables

<table>
<thead>
<tr>
<th>Stock</th>
<th>Year</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6890</td>
<td>50000 ohms</td>
<td>$1.47</td>
</tr>
<tr>
<td>$6890</td>
<td>150000 ohms</td>
<td>$1.47</td>
</tr>
</tbody>
</table>

### Replacement Part Headquarters for Dealers and Service Men

109

www.americanradiohistory.com
Volume Controls

[Continued]

Stewart-Warner Corp.

Name and Model

Stromberg-Carlson Tel. Mfg. Co.

Name and Model

Stock Your No. Cost

Westinghouse

WR-4, 6, 7, 8, 10-A

$M9895  1.47

WR-14

$M8877  73

Zenith Radio Corp.

11, 12, 14, Nos. 33, 34, 35, 35A, 342, 352, 352A, 362,
362X2, 363, 353A, 354, 352F, 35AP, 35APX, 35APX
382APX, 37A, 35F, 35AF

$M8807  50.88

$M8806  98

52, 522, 53, 532, 54, 542, 57, 570, 570A, 571, 572, 573,
102, 102A, 11, 11, 12, 12, 110, 111, 112, 113, 114,
70 Series, 50, 60, 70, 71, 72, 73,
111, 112, 113, 114, 115, 116, 117,
232, 35F, 35AP, 35APX, 35AF

$M9721  1.71

$M9724  1.71

$M9744  .73

$M9893  98

$M8705  73

$M8706  73

$M8617  98

Twin Junior Controls

Abbreviations

L. H. — Increases with clockwise rotation.
R. H. — Increases with counter clockwise rotation.
Sym. — Tapered symmetrical.

There are so many possible combinations in twin volume controls that almost any replacement combination is possible. There are many receivers now giving trouble with single controls, however, that may be improved immediately if the single control is replaced with part number H8912 where the original control was in the “C” Bias circuit, or with part H8913 where the original control was in the “R” control. These controls have long shafts adapted to a variety of sets. The other Twins are popular replacements for factory controls and duplicate the original shaft and bushing length. Case diameter 1 5/16”, Depth 3/4”.

Combination Case Diameter 2 3/4”. Two resistances completely insulated from each other and from the shaft and bushing.

H8926—Kolster-Brandes for models K-42, 43, 45. Combination 25000 ohms graphite for antenna, 60000 ohms wire for sound grid.


H9012—Potentiometer controls antenna, radio control “C” bias case L. H. Max. 10000 ohms C-20000 ohms. Back case R. H., Max. 25000 ohms C-1500 ohms.


List Price $1.47

Your Cost Each $1.47

How to Connect Centralab Volume Controls

Connections should always be made so that volume increases when the knob is turned clockwise. For this reason left hand and right hand radials are used with circuits giving maximum volume at maximum resistance, such as when the control is connected to a left hand radial. Left hand radials are used where maximum volume is obtained at minimum resistance, such as a servo control to vary the R. F. or bias or plate voltage. Potentiometers likewise are used for left hand or right hand taps according to their circuit location. In connecting these controls be sure to connect both wires from all current carrying parts and may be mounted direct on the panel regardless of its potential. This is an advantage for easy assembly, and avoids hand capacity in critical circuits.

WHOLESALE RADIO SERVICE CO., INC. 100 Sixth Ave., New York 11
No. 40 Series Composition Element
These controls are particularly suited for use in circuits requiring very critical curves and where there can be no material short circuiting, that is, detrimental lowering of the resistance between end terminals. The high insulation points between shaft and live parts allows use of all control in circuit positions where the potential to ground may be several hundred volts. A positive wiping action between the resistance element and the disc.

Stock No.  Ohms  Stock No.  Ohms
G8330  1,000  G8335  25,000
G8331  2,000  G8336  50,000
G8332  5,000  G8337  75,000
G8333  10,000  G8338  100,000
G8334  20,000  G8339  250,000
G8335  50,000  G8340  500,000

Your Cost, Each  $0.50

No. 40 Series Dual Potentiometers

No. 20 Series Wire Wound Volume and Tone Controls

Developed to provide rugged, double wiping contact volume control that would reduce the possibility of noise to a minimum and provide the longest possible life. Completely enclosing the unit in a tightly covered metal seal prevents the entry of dust and foreign particles which might cause scoring should they reach the raceway.

Without Switch  With Switch
Stock No.  Ohms  Stock No.  Ohms
G8350  10,000 ohm Antenna Taper— 60,000 ohm Screen Grid Taper  $1.25
G8351  Same as above, with 2’’ shaft  1.25
G8352  10,000 ohm Antenna Taper— 3,000 ohm Var. Mu Bias, with 1’’ shaft  1.25
G8353  10,000 ohm Antenna Taper— 25,000 ohm Screen Grid Taper, with 1’’ shaft  1.25
G8354  10,000 ohm Antenna Taper— 25,000 ohm Screen Grid Taper, with 4’’ shaft  1.45
G8355  10,000-50,000 ohm Pot. with switch  1.25
G8356  10,000-2,000 ohm Pot. with switch  1.25

No. 20 Series With Built-In Switch

No. 70 Series Volume Controls

Composition element bakelite case with metal dustproof back cover, furnished either with or without "built-in" switch. This series has the full wiping contact between the movable member and the hard smooth composition resistance element. Size 1/4” in diameter, 1/2” in depth, 1” shaft length. 1/4” can be dialed. For Victor R-32, R-52, RE-45, RE-75.

Without Switch  With Switch
Stock No.  Ohms  Stock No.  Ohms
G8360  200 Variable-Mu Cathode Bias  G8370  1000
G8361  400 Microphone Button  G8371  1000
G8362  1000  G8372  5000
G8363  2000 Untuned Antenna  G8373  10,000
G8364  5000 Untuned Antenna  G8374  25,000
G8365  10,000 Antenna Shunt  G8375  50,000
G8366  10,000 Antenna and Cathode Bias  G8376  100,000
G8367  25,000 R. F. Bias  G8377  250,000
Without Switch  Your Cost.  $0.50  With Switch  Your Cost.  70¢

Replacement Volume Controls for Stromberg-Carlson

All these controls are genuine Frost made for Stromberg-Carlson receivers.

Models 635 and 636
Front control, No. P-17961  70¢
G8322 — Your Cost  65¢
Front control, No. P-6411, 642, 652, 654  50¢
G8325 — Your Cost  75¢
Front control, No. P-16598  50¢
G8324 — Your Cost  75¢
Front control, No. G-10089  55¢
G8326 — Your Cost  75¢
Rear control, No. P-18999  55¢
G8327 — Your Cost  75¢

Model 638
Front control, No. P-18422  70¢
G8328 — Your Cost  75¢
Rear control, No. P-18423  70¢
G8329 — Your Cost  75¢

Original Zenith Volume Controls


48320 — Your Cost, Each  $1.48

Replacement Volume Control for Victor R-32, R-52, RE-45, RE-75

A greatly improved unit made by Frost using our latest improved resistance element. Entire shell and back cover are of genuine bakelite which prevents capacitance and inductance. Available with most critical resistance gradients and will carry a maximum amount of current. Has the time-tried and proven rocker arm-roll contact assembly, utilizing our latest improved resistance element.

Without Switch  With Switch
Stock No.  Ohms  Stock No.  Ohms
G8400  1000 Untuned Antenna  G8420  1000
G8401  2000 Cathode Bias  G8421  1000
G8402  3000 R. F. Primary Shunt  G8422  1000
G8403  5000 Antenna Shunt  G8423  1000
G8404  10000 Antenna or R. F. Primary Shunt  G8424  10000
G8405  25000 Phono-Graph Pick-up Screen Voltage  G8425  25000
G8406  50000 Screen Voltage  G8426  50000
G8407  75000 Variable-Mu Cathode Bias  G8427  75000
G8408  100000 R. F. Plate Voltage  G8428  100000
G8409  250000 Audio Transformer  G8429  250000
G8410  500000 Shunt Tone Control  G8430  500000

Without Switch  Your Cost.  60¢  With Switch  Your Cost.  80¢

No. 2890 Series Composition Element Type
(Bakelite Case and Cover-Shaft Not Insulated)

Elements Volume and Tone Controls

Combining the latest and highest development in control action for Zenith. Designed with a view of satisfying the most critical and sensitive circuit requirements. It is constructed with a moulded bakelite housing. Pull wiping contact.

Without Switch  With Switch
Stock No.  Ohms  Stock No.  Ohms
G846  1000 Untuned Antenna  G8420  1000
G843  2000 Cathode Bias  G8421  1000
G842  3000 R. F. Primary Shunt  G8422  1000
G843  5000 Antenna Shunt  G8423  1000
G844  10000 Antenna or R. F. Primary Shunt  G8424  10000
G845  25000 Phono-Graph Pick-up Screen Voltage  G8425  25000
G846  50000 Screen Voltage  G8426  50000
G847  75000 Variable-Mu Cathode Bias  G8427  75000
G848  100000 R. F. Plate Voltage  G8428  100000
G849  250000 Audio Transformer  G8429  250000
G850  500000 Shunt Tone Control  G8430  500000

Without Switch  Your Cost.  60¢  With Switch  Your Cost.  80¢

Entire shell and back cover are of genuine bakelite which prevents capacitance and inductance. Available with most critical resistance gradients and will carry a maximum amount of current. Has the time-tried and proven rocker arm-roll contact assembly, utilizing our latest improved resistance element.

Without Switch  With Switch
Stock No.  Ohms  Stock No.  Ohms
G8406  25000 Audio Transformer  G8426  25000
G8410  50000 Audio Transformer  G8429  50000
G8411  75000 Variable-Mu Cathode Bias  G8431  75000
G8412  100000 Cathode Bias  G8432  100000
G8413  200000 Shunt Tone Control  G8433  200000

Without Switch  Your Cost.  45¢  With Switch  Your Cost.  65¢

www.americanradiohistory.com
Wire Wound Volume Controls

and Switch Coverplates

Listed below is a series of Clarostat Wire Wound Controls designed to fill the jobber’s need for a service man’s demand for reliable wire wound single controls which can be used either with or without switches as required. The plain dust-guard coverplates 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.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resis. Carrying Capacity</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>F709</td>
<td>50 ohms</td>
<td>0.42</td>
</tr>
<tr>
<td>F708</td>
<td>100 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F707</td>
<td>200 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F706</td>
<td>300 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F705</td>
<td>400 ohms</td>
<td>0.82</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resis. Carrying Capacity</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>F704</td>
<td>500 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F703</td>
<td>750 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F702</td>
<td>1000 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F701</td>
<td>1500 ohms</td>
<td>0.82</td>
</tr>
<tr>
<td>F700</td>
<td>2000 ohms</td>
<td>0.82</td>
</tr>
</tbody>
</table>

New Replacement Volume Control

Saves You the Cost of the Switch

RP Type replacement controls are now made on the “H” Type base. Single RP Type contains a Yaxley built-in A.C. switch. When the switch is not desired, you merely remove a screw which cuts out the A.C. switch. This feature makes Yaxley the most convenient and most flexible unit for service men. There are no extra parts to be assembled in this self-contained volume control. This new product is designed to fit different makes of receiving sets with a minimum amount of work on the part of the service man. 1/8” bushing, length 5” from base of control.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6565</td>
<td>RP-101</td>
<td>10000 ohms with 300 ohm taper.</td>
</tr>
<tr>
<td>F6566</td>
<td>RP-102</td>
<td>10000 ohms.</td>
</tr>
<tr>
<td>F6567</td>
<td>RP-103</td>
<td>10000 ohms.</td>
</tr>
<tr>
<td>F6568</td>
<td>RP-104</td>
<td>3000 ohms with 25 ohm taper.</td>
</tr>
<tr>
<td>F6569</td>
<td>RP-105</td>
<td>2000 ohms with 25 ohm taper.</td>
</tr>
<tr>
<td>F6570</td>
<td>RP-106</td>
<td>6000 ohms with 50 ohm taper.</td>
</tr>
<tr>
<td>F6571</td>
<td>RP-107</td>
<td>5000 ohms with 25 ohm taper.</td>
</tr>
<tr>
<td>F6572</td>
<td>RP-108</td>
<td>800 ohms with 25 ohm taper.</td>
</tr>
<tr>
<td>F6573</td>
<td>RP-109</td>
<td>600 ohms.</td>
</tr>
<tr>
<td>F6574</td>
<td>RP-111</td>
<td>1500 ohms.</td>
</tr>
<tr>
<td>F6575</td>
<td>RP-112</td>
<td>1000 ohms.</td>
</tr>
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</table>

Special Yaxley Volume Controls

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F5685</td>
<td>RP-133</td>
<td>Special S type Control—4500 ohms with 160 ohm left in circuit.</td>
</tr>
<tr>
<td>F5687</td>
<td>RP-135</td>
<td>Special H type Control—4500 ohms.</td>
</tr>
<tr>
<td>F5688</td>
<td>RP-136</td>
<td>Special H type Control—1200 ohms tapered.</td>
</tr>
</tbody>
</table>

Yaxley Dual Volume Controls

Dual Control type No. RP-116. Designed only for use with R.C.A. Victor R-15, R-17, General Electric T-41, Graybar GB, Westinghouse 6599, etc.

Stock No. Type No. Description
| F6585     | RP-133   | Special S type Control—4500 ohms with 160 ohm left in circuit. | 1.50 |
| F5687     | RP-135   | Special H type Control—4500 ohms. | 1.50 |
| F5688     | RP-136   | Special H type Control—1200 ohms tapered. | 1.50 |

Rheostats

Used as standard equipment by set manufacturers. Midget size, 13/8” in diameter and mounted in the switch or single panel hole. Complete with knob.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6488</td>
<td>15</td>
<td>6.24</td>
</tr>
<tr>
<td>F6490</td>
<td>30</td>
<td>4.5</td>
</tr>
<tr>
<td>F6491</td>
<td>40</td>
<td>3.5</td>
</tr>
<tr>
<td>F6492</td>
<td>50</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Clarostat Replacement Volume Controls

FOR VICTOR MODELS

R-13, R-45, R-75 Dual volume control, 3800-3800 ohms. Shipping weight 8 ozs. on shipping carton.

F7050 - Your Cost $1.30

Radiola Volume Control Strips

For the serviceman who 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.

$2.90

Yaxley Jr. Rheostats and Potentiometers

Used as standard equipment by set manufacturers. Midget size, 13/8” in diameter and mounted in the switch or single panel hole. Complete with knob.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Type No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F6488</td>
<td>15</td>
<td>6.24</td>
</tr>
<tr>
<td>F6490</td>
<td>30</td>
<td>4.5</td>
</tr>
<tr>
<td>F6491</td>
<td>40</td>
<td>3.5</td>
</tr>
<tr>
<td>F6492</td>
<td>50</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Wholesale Radio Service Co., Inc. - 100 Sixth Ave., New York
### Trutest Vitreous-Enamel Fixed Resistors

The very finest Vitreous Enamel types that can be used in practically any circuit, regardless of power or voltage rating. Many are the outstanding mechanical and electrical advantages; low coefficient of expansion eliminates strains at junction of resistance wire and lug. High resistance to oxidation under firing prevents high resistance contacts between resistance wire and lugs.

Vitreous enamel insulation. Capable of withstanding high temperature. Non-porous — does not absorb moisture. Rapid heat dissipation. Positive lug contact — long life and permanent resistance value. TRUSTED VITREOUS ENAMELED RESISTORS are equipped with Metal Contact Lugs which do not crystallize or lose their strength under fire. By replacing with TRUSTED RESISTORS, you are assured of long and satisfactory service. These Resistors are of the highest quality obtainable and cost no more than a cheaper grade. They are conservatively rated and will withstand unusual voltage abuses. Each resistor is individually marked.

#### 10 Watt Rating

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Ohms</th>
<th>Volts</th>
<th>Each Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4800</td>
<td>1.5</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4801</td>
<td>2.2</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4802</td>
<td>3.3</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4803</td>
<td>4.7</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4804</td>
<td>6.8</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4805</td>
<td>10</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4806</td>
<td>25</td>
<td>500</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

#### 20 Watt Rating

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Ohms</th>
<th>Volts</th>
<th>Each Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4890</td>
<td>10</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4891</td>
<td>25</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4892</td>
<td>75</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4893</td>
<td>150</td>
<td>500</td>
<td>$0.25</td>
</tr>
<tr>
<td>E4894</td>
<td>200</td>
<td>500</td>
<td>$0.25</td>
</tr>
</tbody>
</table>

### Trutest—Semi-Variable Resistors—Vitreous Enamel Replacement Voltage Dividers for all Circuits

Semi-variable Resistors are the most practical replacement voltage dividers ever made. They are protected from mechanical and electrical injury through the use of Vitreous Enamel over four-fifths of the surface. Easily carried in tool kit without fear of breakage if ordinary care is taken. They permit installation in practically any circuit or receiver as the adjustable lugs may be set to the proper place without complicated meter readings. Just set the lugs to the desired points and you immediately have a made-to-order voltage divider. The adjustable lugs have small contact buttons so that several taps may be used without “shorting out” much resistance. Trusties Resistors are wound over an Insulation porcelain tube through which the wire and resists the pressure of the contact button, thus freeing the winding from any strain. The wire is held firmly in place by the Vitreous Enamel which not only insulates each turn but also provides a ready path for the dissipation of the generated heat. Vitreous Enamel is one of the best conductors of heat and permits using the units to the full limit of their ratings. Mounting brackets furnished with each unit. Each unit is equipped with one sliding contact.

#### 25 Watts (2" Long x 5/8" o. d.)

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resist. M.</th>
<th>List Y our Cost in M. A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X20740</td>
<td>5 15000 .60</td>
<td>$0.85</td>
</tr>
<tr>
<td>X20741</td>
<td>10 2500 .60</td>
<td>$0.85</td>
</tr>
<tr>
<td>X20742</td>
<td>15 5000 .60</td>
<td>$0.85</td>
</tr>
<tr>
<td>X20743</td>
<td>25 9000 .60</td>
<td>$0.85</td>
</tr>
<tr>
<td>X20744</td>
<td>40 15000.60</td>
<td>$0.85</td>
</tr>
</tbody>
</table>

#### 50 Watts (4" Long x 3/4" o. d.)

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resist. M.</th>
<th>List Y our Cost in M. A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X20770</td>
<td>5 10000 .85</td>
<td>$1.10</td>
</tr>
<tr>
<td>X20771</td>
<td>10 20000 .85</td>
<td>$1.10</td>
</tr>
<tr>
<td>X20772</td>
<td>15 30000 .85</td>
<td>$1.10</td>
</tr>
<tr>
<td>X20773</td>
<td>20 50000 .85</td>
<td>$1.10</td>
</tr>
<tr>
<td>X20774</td>
<td>25 80000 .85</td>
<td>$1.10</td>
</tr>
</tbody>
</table>

#### 60" Long x 5/8" O. D.—75 Watts

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Resist. M.</th>
<th>List Y our Cost in M. A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X20800</td>
<td>10 8565 .75</td>
<td>$1.25</td>
</tr>
<tr>
<td>X20801</td>
<td>20 17130 .75</td>
<td>$1.25</td>
</tr>
<tr>
<td>X20802</td>
<td>30 25695 .75</td>
<td>$1.25</td>
</tr>
</tbody>
</table>

### Extra Sliders

As the above semi-variable resistors are supplied only with one slider, it will be necessary to use the same number of sliders or taps as on the divider or resistance being replaced. Mounting brackets furnished with each unit. Each unit is equipped with one sliding contact.

---

www.americanradiohistory.com
**VOLTAGE DIVIDERS**

Wholesale Radio Service Co. Inc. presents below an accurate listing of voltage dividers. The serviceman can now be assured that the divider or resistance he requires is made according to original specifications.

<table>
<thead>
<tr>
<th>Name and Model</th>
<th>Resistance</th>
<th>Stock Your No.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACME-7</td>
<td>2500-1200-200</td>
<td>X20400</td>
<td>$0.67</td>
</tr>
<tr>
<td>AC-7</td>
<td>200-250</td>
<td>X20401</td>
<td>$0.45</td>
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</tbody>
</table>

**ALL AMERICAN HAWK**

<table>
<thead>
<tr>
<th>A, B, C, D, E, F, G, H</th>
<th>2000-2000-1000-300-900</th>
<th>X20402</th>
<th>$0.90</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-6</td>
<td>3000-2000-2500-900</td>
<td>X20403</td>
<td>$1.00</td>
</tr>
<tr>
<td>Lyric K</td>
<td>908-1500-40-2500</td>
<td>X20404</td>
<td>$1.00</td>
</tr>
<tr>
<td>AMRAD</td>
<td>2000-1700</td>
<td>X20405</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NAME</th>
<th>Stock Your No.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>APEX</td>
<td>X20406</td>
<td>$0.98</td>
</tr>
<tr>
<td>8, 500-1000-1200-600-350</td>
<td>$0.98</td>
<td></td>
</tr>
<tr>
<td>10, 500-1000-1800-600-425</td>
<td>$0.97</td>
<td></td>
</tr>
<tr>
<td>20, 55-1250-3750</td>
<td>$0.95</td>
<td></td>
</tr>
<tr>
<td>24, 1000-2540</td>
<td>$0.95</td>
<td></td>
</tr>
<tr>
<td>26-P, 640-3640</td>
<td>$0.90</td>
<td></td>
</tr>
<tr>
<td>27, 7700-2060-1070</td>
<td>$0.85</td>
<td></td>
</tr>
<tr>
<td>48, 700-2250-70</td>
<td>$0.80</td>
<td></td>
</tr>
<tr>
<td>ARGUS</td>
<td>X20414</td>
<td>$1.00</td>
</tr>
<tr>
<td>B-125, 800-435-725</td>
<td>$1.15</td>
<td></td>
</tr>
<tr>
<td>B-190, 4000-700-65-280</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>ARTIFICIALS</td>
<td>X20416</td>
<td>$0.90</td>
</tr>
<tr>
<td>AC-200-000-1-300-275</td>
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<tr>
<td>R-11, 8500</td>
<td>$0.60</td>
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<tr>
<td>R-11, 8500</td>
<td>$0.50</td>
<td></td>
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<tr>
<td>AUDIOLA</td>
<td>X20418</td>
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<tr>
<td>81 Series</td>
<td>2300-2100-850</td>
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<tr>
<td>1800-1000-1400</td>
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<td>BALKEIT</td>
<td>X20420</td>
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<tr>
<td>AB6, 180-A, 180-B</td>
<td>6000-3000-1800</td>
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<tr>
<td>C-6</td>
<td>3600-722</td>
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<tr>
<td>F</td>
<td>450-650</td>
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<td>B-7, 179</td>
<td>7700-12600-4000</td>
<td>$1.25</td>
</tr>
<tr>
<td>A-7, 1000-3200</td>
<td>$1.26</td>
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</tr>
<tr>
<td>AB6, 150, B-185</td>
<td>6000-3560</td>
<td>$1.26</td>
</tr>
<tr>
<td>BOSCH</td>
<td>X20421</td>
<td>$0.70</td>
</tr>
<tr>
<td>28</td>
<td>5000</td>
<td>$1.27</td>
</tr>
<tr>
<td>29-825, 1000-1000-10</td>
<td>$1.23</td>
<td></td>
</tr>
<tr>
<td>28-825, 2000</td>
<td>$1.20</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>1200</td>
<td>$1.25</td>
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<tr>
<td>24</td>
<td>840-2100-500</td>
<td>$1.27</td>
</tr>
<tr>
<td>48</td>
<td>1650-800-1950</td>
<td>$1.35</td>
</tr>
<tr>
<td>58</td>
<td>2050-1950-180-950</td>
<td>$1.37</td>
</tr>
<tr>
<td>34DC</td>
<td>6 ohms</td>
<td>$1.30</td>
</tr>
<tr>
<td>54DC</td>
<td>22 ohms</td>
<td>$1.35</td>
</tr>
<tr>
<td>60, 1500-2560-180-950</td>
<td>$1.35</td>
<td></td>
</tr>
</tbody>
</table>

**Trutest Universal Vitreous Enamel Voltage Dividers**

This voltage divider is truly a Universal Unit. With a stock of these on hand the service man is in a position to repair ninety percent of the receivers giving voltage divider trouble. They are designed to meet the requirements of practically all receiver and power pack circuits. One of the principal features of this divider is that no meters or testing equipment are necessary to install these units, as the resistance scale is divided into four equal sections on the resistor, and by means of the sliding contacts, you are able to adjust to the proper ohmage quickly and accurately. One or two of the unused sections can be shorted out if not desired. They can be used in any electric set, B eliminator, amplifier, etc., as the ease with which they can be adapted to any purpose requiring this type of resistor, make them an ideal unit for laboratory and experimental use as ble resistors, etc., These resistors are made of the finest quality resistance wire, wound on an isolating tube and coated with vitreous enamel which is fired on and thoroughly protects and covers the wire against accidental injury, moisture, and oxidation. They can be used under heavy loads without injury to wire windings as the co-efficients of expansion of the entire product are practically the same. As a precaution the resistance wire and the terminals are coated with cement, protecting joints from enamel, when the unit is fired. The tendency of a formation of oxide on the joints of the divider which would reduce its efficiency is guarded against. To be sure of efficient operation these should be selected covering the required value under operating conditions.

**Steinite Voltage Dividers**

Replacement dividers and resistor for Steinite receivers. 11900 ohms, tapped at 5000-3000 and 1500 ohms, 50 watt, 4" long. Ex."

*Per Dozen* $5.00

**General Motors Voltage Dividers**

Original replacement voltage dividers for above receiver. 4600 ohms, tapped at 2500-1500 and 6000.

*For Peerless Courier and Kyte-Comer Sets. Total resistance 22500 ohms, tapped at 10000, 25000, 45000, and 60000. 3/4 in. long.*

*3$5.00*
VOLTAGE DIVIDERS [Continued]

**RCA Voltage Divider**
For Model 32 A.C.
The original RCA Replacement Voltage Divider for the above model.
Tapped at 438, 286, 1590, and 1700 ohms. RCA Part No. X20708

**Replacement Voltage Dividers**
For Victor Models R-32, RE-45, R-52, RE-75

The genuine Victor Replacement Voltage Divider for a Model 80. Total resistance, 3226 ohms, tapped at 2000, 1350, 1000, and 759 ohms.

**Genuine Majestic Resistances**

R. F. Grid Bias Resistor for Majestic Model 70 and 90 Series.

**R. C. A. Voltage Divider Strip for Models 18 & 51**

Wire wound Resistor Strip, tapped at 400, 800, 1800, and 3300 ohms. RCA Part 2342. Overall size 4 1/2 x 2 1/4 in.

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

115
Truvolt Adjustable Resistors

Now, beside the incorporation of a new 10 watt line, many new improvements and still greater advantages are gained through the use of this time-tested product. The adjustable clip has been redesigned to afford more effective resistance and unique insulation brackets and terminals with which C, and D type resistors. A new protective insulating sleeve is supplied with each resistor. There is now greater insulation (1000 volt insulation) to help combat the copper core. Self-tapping screws are supplied to fit inside dimeter of tube.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Value</th>
<th>Ohms</th>
<th>Each</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G7246</td>
<td>100</td>
<td>700</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7247</td>
<td>200</td>
<td>500</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7248</td>
<td>300</td>
<td>400</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7249</td>
<td>400</td>
<td>350</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7250</td>
<td>500</td>
<td>310</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7251</td>
<td>600</td>
<td>350</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7268</td>
<td>800</td>
<td>232</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7269</td>
<td>1000</td>
<td>224</td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

Truvolt Wire Wound Pigtail Resistors

These wire wound resistors have been particularly developed to fulfill the service men's requirement for a quality resistor that can be used to replace defective carbon type pigtail resistors of the lower ohmic values. It is in these values that a noiseless resistor (wire wound) with unlimited life should be used. The Truvolt Type PG resistors have a negligible temperature coefficient which means that the ohmic value will be the same for any current or voltage within the ratings as listed below.

### 1 Watt 3/8" x 1/2""

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Value</th>
<th>Ohms</th>
<th>Each</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4803</td>
<td>40</td>
<td>90</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>E4804</td>
<td>300</td>
<td>87</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>E4805</td>
<td>350</td>
<td>87</td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

### 5 Watts 3/8" - 15" pigtail resistors

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Current</th>
<th>Ohms</th>
<th>Each</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G7764</td>
<td>1000</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7765</td>
<td>2000</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7766</td>
<td>3000</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7767</td>
<td>4000</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7768</td>
<td>5000</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

Truvolt Flexible Resistors

### 2 Watts - 2 in. Long with Pigtauls

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Current</th>
<th>Ohms</th>
<th>Each</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G7746</td>
<td>100</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7747</td>
<td>200</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7748</td>
<td>300</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7749</td>
<td>400</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7750</td>
<td>500</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7751</td>
<td>600</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

### 5 Watts - 5 in. Long with Pigtauls

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Current</th>
<th>Ohms</th>
<th>Each</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>G7764</td>
<td>100</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7765</td>
<td>200</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7766</td>
<td>300</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7767</td>
<td>400</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
<tr>
<td>G7768</td>
<td>500</td>
<td>100</td>
<td></td>
<td>0.79</td>
</tr>
</tbody>
</table>

All Resistors are covered with green copper wire.
Trusted Carbon Resistors

**$2.25**

R. M. A. Color Coded Resistors in Sturdy Metal Box with Hinged Cover

**Twenty-Five Certified Trusted R. M. A. color coded 1 watt resistors in a neat and durable finished metal case measuring 1 x 3 x 4 1/4" deep. The best of the best arrangement ever devised for the service man. Over a thousand ranges possible by different combinations of these units. Unit contains one of the following high grade resistors:**

- Ohms Ohms Ohms Ohms Ohms
- 200 1900 10000 3000 10000
- 400 2000 12500 4000 25000
- 600 3000 15000 5000 40000
- 700 4000 20000 6000 1 Meg.
- 800 5000 25000 7500 2 Meg.

**Code Chart with Each Kit. Shipping weight 1 1/2 lbs.**

**Your Cost per Kit...**

**For Eight Certified Trusted R. M. A. color coded resistors of the most popular sizes in a substantial metal case. Size 1 x 3 x 4 1/4" deep. Contains one of the following high grade resistors:**

- Ohms Ohms Ohms Ohms
- 1 - 200 1 - 2000 1 - 125000
- 2 - 400 2 - 2500 2 - 25000
- 2 - 500 2 - 3000 2 - 50000
- 1 - 600 1 - 4000 1 - 175000
- 1 - 800 1 - 8000 1 - 50000
- 2 - 1000 2 - 10000 1 - 1 Meg.
- 1 - 1500 1 - 12500 1 - 75000
- 2 - 2000 2 - 15000 1 - 2 1/2 Meg.
- 2 - 2500 2 - 20000 1 - 3 Meg.
- 1 - 3000 1 - 25000

**$4.15**

**Special Philoic Resistor Kit**

This Kit enables you to Resistor Service any model Philoic set or in fact any make or type of receiver. Forty of the finest quality resistors are contained in a neat and durable finished Metal Case. 1 x 3 x 4 1/4" deep. Thousands of odd combinations of values possible with this kit. Free color code chart with each kit. Shipping weight 3 lbs.

**$3.95**

**3-WATT CAPACITY**

<table>
<thead>
<tr>
<th>Stock Res.</th>
<th>Stock Res.</th>
<th>Stock Res.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohms No.</td>
<td>Ohms No.</td>
<td>Ohms No.</td>
</tr>
<tr>
<td>E4337</td>
<td>1000</td>
<td>E4375</td>
</tr>
<tr>
<td>E4376</td>
<td>1500</td>
<td>E4377</td>
</tr>
<tr>
<td>E4378</td>
<td>2000</td>
<td>E4379</td>
</tr>
<tr>
<td>E4380</td>
<td>2500</td>
<td>E4381</td>
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<tr>
<td>E4382</td>
<td>3000</td>
<td>E4383</td>
</tr>
<tr>
<td>E4384</td>
<td>3500</td>
<td>E4385</td>
</tr>
<tr>
<td>E4386</td>
<td>4000</td>
<td>E4386</td>
</tr>
<tr>
<td>E4387</td>
<td>4500</td>
<td>E4388</td>
</tr>
<tr>
<td>E4389</td>
<td>5000</td>
<td>E4389</td>
</tr>
</tbody>
</table>

**Your Cost Each...**

**Free**

We furnish Free with each purchase of three or more Truste Resistors a serviceable Pocket Size Chart for instantly determining the resistance value of any R. M. A. Coded Resistor regardless of make.

**Atwater Kent Resistor Service Strip**

NOW for the first time you are able to secure resistors of the highest quality for all Atwater-Kent Replacements. Each and every resistor is of the same value as the original. Strip contains one each of the necessary resistances to service any Atwater-Kent model receiver. The following are A. K. color-coded resistors: Yellow, Maroon, Gray, Blue and Red, Black, Purple, Purple Band, Black and Red, Green, Lime and White, Yellow and Gray, Blue and Gray, Red and Yellow, Black and Purple, Red and Gray and Green and Red. Consists of the following resistors: 1-Watt, 1/4-Watt, 1/2-Watt and 2-Watt. Shipping weight 2 lbs.

**$1.95**

**Trusted Carbon Resistors are R. M. A. Color Coded for easy identification and are made of the finest material and workmanship. Guaranteed accuracy, 10% plus or minus. The average are within 6%. Resistance values read approximately the same at any normal voltage—most important for resistance service work. No moisture can possibly penetrate, so age cannot change the resistance value. Great mechanical strength eliminates any chance of accidental breakage. Carefully calibrated resistance material is forced under tons of pressure through double dies in conjunction with a paste-like ceramic. This is baked for hours in huge ovens, and then fired at over 2500°F. After this procedure, no ordinary service or overload temperatures can damage the resistor.**
Guaranteed Accuracy 1%  
Rating One Watt

We offer here a line of Precision Type Resistors made by Precision Resistance Co. and which we recommend unconditionally to our customers. They are wound with the very best grade of alloy wire, every strand of which is thoroughly checked for insulation breakdown, diameter and temperature-coefficient before entering production. To our knowledge they are the ONLY RESISTORS MADE IN WHICH DOUBLE INSULATED WIRE IS USED.

| Type "A" |  
| --- | --- | --- |
| Tolerance 1%. Maximum length 2 1/8". Maximum diameter 1/4". Fitted with Standard Flat Universal Clip which permits use either flush or with clip on grid plate mounting. The screw ends can be used for temporary circuits. |
| Stock | Resistors | Milli-
| Ohms amps | No. | Ohms amps |
| E453 | 50 | 145 | E4519 | 500 | 45 |
| E454 | 100 | 100 | E4520 | 750 | 39 |
| E4515 | 400 | 70 | E4521 | 1250 | 19 |
| E4516 | 200 | 72 | E4522 | 2500 | 23 |
| E4517 | 300 | 58 | E4523 | 4000 | 18 |
| E4518 | 450 | 50 | E4524 | 6000 | 18 |
| E4525 | 4000 | 16 | E4519 | 10000 | 10 |
| E4526 | 5000 | 14 | E4530 | 12500 | 9 |
| E4527 | 6000 | 13 | E4531 | 15000 | 7 |
| E4528 | 8000 | 11 | E4532 | 20000 | 7 |

Your Cost Each  

77c

<table>
<thead>
<tr>
<th>Your Cost Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4531</td>
</tr>
<tr>
<td>E4520</td>
</tr>
<tr>
<td>E4519</td>
</tr>
<tr>
<td>E4524</td>
</tr>
<tr>
<td>E4523</td>
</tr>
</tbody>
</table>

Guaranteed Accuracy 2%  

Here is a line of resistors designed to meet the demand for a reasonably priced and compact high resistance unit recommended for use in MIDGET, AEROPLANE, AUTOMOBILE, and all other resistors where space and price plus quality are important. Terminals are of No. 18 tinned copper wire securely embedded in 3 coats of Baked Insulating Enamel. We believe that these high grade resistors with their narrow tolerance represent one of the most amazing values ever offered the Radio Man. Maximum dimensions: 5 1/4" dia., 1/4" long; 10 watts, 1/4" dia., 2.2" long. Specify size when ordering.

<table>
<thead>
<tr>
<th>Resistance</th>
<th>Stock No.</th>
</tr>
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<td>5-watt</td>
<td>4680</td>
</tr>
<tr>
<td>10-watt</td>
<td>4681</td>
</tr>
<tr>
<td>20-watt</td>
<td>4682</td>
</tr>
<tr>
<td>30-watt</td>
<td>4683</td>
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<tr>
<td>50-watt</td>
<td>4684</td>
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<tr>
<td>75-watt</td>
<td>4685</td>
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<tr>
<td>100-watt</td>
<td>4686</td>
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<td>150-watt</td>
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<td>300-watt</td>
<td>4689</td>
</tr>
<tr>
<td>400-watt</td>
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</table>

Precision Resistors

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<tbody>
<tr>
<td>Stock</td>
<td>Your Stock</td>
</tr>
<tr>
<td>Res. Ohms</td>
<td>No.</td>
</tr>
<tr>
<td>E4546</td>
<td>.56</td>
</tr>
<tr>
<td>E4547</td>
<td>.41</td>
</tr>
<tr>
<td>E4548</td>
<td>.41</td>
</tr>
<tr>
<td>E4549</td>
<td>.41</td>
</tr>
<tr>
<td>E4550</td>
<td>.41</td>
</tr>
<tr>
<td>E4551</td>
<td>.41</td>
</tr>
<tr>
<td>E4552</td>
<td>.41</td>
</tr>
<tr>
<td>E4553</td>
<td>.41</td>
</tr>
<tr>
<td>E4554</td>
<td>.41</td>
</tr>
<tr>
<td>E4555</td>
<td>.41</td>
</tr>
</tbody>
</table>

Your Cost Each  

1.07c

Precision Guaranteed Resistors

Replacement Part Headquarters for Dealers and Service Men

119

www.americanradiohistory.com
Precision Wire Wound Resistors

I. R. C. Precision Wire Wound Resistors have been developed to meet the most exacting demands of accuracy. Especially adapted for use as meter multipliers and shunts to increase the range of single range voltmeters and milliammeters and for other equipment such as faders, gang controls, pads, etc.

The winding form of these units as illustrated with WW3 resistor is made of non-hygrosopic (non-moisture absorbing) ceramic having high insulation qualities, high mechanical strength and low coefficient of expansion.

Because of the special sectional construction which permits the winding of adjacent sections in opposite directions a non-inductive winding of low distributed capacity, is made possible. The impedance characteristics of these units are practically uniform and of independent frequency up to 50,000 cycles.

I. R. C. Power Wire Wound Resistors

Those 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.

**Type “PA”**

1/4" long by 0.01" diameter. Tolerance 5%. Range up to 30,000 ohms (see list). List 65c.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ohms</th>
<th>M. A.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5150</td>
<td>1</td>
<td>1000</td>
<td>$1.50</td>
</tr>
<tr>
<td>E5151</td>
<td>2</td>
<td>707</td>
<td>1.50</td>
</tr>
<tr>
<td>E5152</td>
<td>3</td>
<td>577</td>
<td>1.50</td>
</tr>
<tr>
<td>E5153</td>
<td>4</td>
<td>460</td>
<td>1.50</td>
</tr>
<tr>
<td>E5154</td>
<td>5</td>
<td>425</td>
<td>1.50</td>
</tr>
<tr>
<td>E5155</td>
<td>6</td>
<td>400</td>
<td>1.50</td>
</tr>
<tr>
<td>E5156</td>
<td>7</td>
<td>377</td>
<td>1.50</td>
</tr>
<tr>
<td>E5157</td>
<td>8</td>
<td>353</td>
<td>1.50</td>
</tr>
<tr>
<td>E5158</td>
<td>9</td>
<td>335</td>
<td>1.50</td>
</tr>
</tbody>
</table>

**Type “PB”**

1/8" long by 0.015" diameter. Tolerance 5%. Range up to 10,000 ohms (see list). List 60c.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ohms</th>
<th>M. A.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5160</td>
<td>1</td>
<td>25</td>
<td>1.25</td>
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<tr>
<td>E5161</td>
<td>2</td>
<td>50</td>
<td>1.25</td>
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<tr>
<td>E5162</td>
<td>3</td>
<td>100</td>
<td>1.25</td>
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<tr>
<td>E5163</td>
<td>4</td>
<td>150</td>
<td>1.25</td>
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<td>E5165</td>
<td>5</td>
<td>180</td>
<td>1.25</td>
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<tr>
<td>E5166</td>
<td>6</td>
<td>200</td>
<td>1.25</td>
</tr>
<tr>
<td>E5167</td>
<td>7</td>
<td>250</td>
<td>1.25</td>
</tr>
<tr>
<td>E5168</td>
<td>8</td>
<td>300</td>
<td>1.25</td>
</tr>
<tr>
<td>E5169</td>
<td>9</td>
<td>350</td>
<td>1.25</td>
</tr>
</tbody>
</table>

**Type “PC”**

3/16" long by 1/4" diameter. Tolerance 5%. Range up to 10,000 ohms (see list). List 60c.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ohms</th>
<th>M. A.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5170</td>
<td>1</td>
<td>30</td>
<td>.85</td>
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<td>E5171</td>
<td>2</td>
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<td>E5172</td>
<td>3</td>
<td>70</td>
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<td>E5173</td>
<td>4</td>
<td>85</td>
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<tr>
<td>E5174</td>
<td>5</td>
<td>95</td>
<td>.85</td>
</tr>
<tr>
<td>E5175</td>
<td>6</td>
<td>105</td>
<td>.85</td>
</tr>
</tbody>
</table>

**Type “PD”**

1/4" long by 0.012" diameter. Tolerance 5%. Range up to 5000 ohms (see list). List 60c.

<table>
<thead>
<tr>
<th>Model</th>
<th>Ohms</th>
<th>M. A.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>E5190</td>
<td>1</td>
<td>10</td>
<td>1.75</td>
</tr>
<tr>
<td>E5191</td>
<td>2</td>
<td>15</td>
<td>1.75</td>
</tr>
<tr>
<td>E5192</td>
<td>3</td>
<td>20</td>
<td>1.75</td>
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<tr>
<td>E5193</td>
<td>4</td>
<td>25</td>
<td>1.75</td>
</tr>
<tr>
<td>E5194</td>
<td>5</td>
<td>30</td>
<td>1.75</td>
</tr>
</tbody>
</table>

**Metallized Replacement 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 ohmages. Only the 1-watt resistors, however, are available in ohmages above 5 megohms. Select resistors wanted from this list, specify resistance value and quote stock number shown opposite each type below.

<table>
<thead>
<tr>
<th>Ohms</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>0.10</td>
</tr>
<tr>
<td>200</td>
<td>0.20</td>
</tr>
<tr>
<td>500</td>
<td>0.50</td>
</tr>
<tr>
<td>1000</td>
<td>1.00</td>
</tr>
<tr>
<td>2000</td>
<td>2.00</td>
</tr>
<tr>
<td>5000</td>
<td>5.00</td>
</tr>
</tbody>
</table>

*Available in 1-watt type only.

**WHOLESALE RADIO SERVICE CO., INC. - 700 Sixth Ave., New York**

www.americanradiohistory.com
Resistors

Centralab Resistors cannot fail under any load that does not melt the Wire Leads from their 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°F. After such a baptism of fire, no ordinary service or overload temperatures can damage the resistor. No moisture can possibly penetrate, so age cannot change the resistance value. Due to their particular method of construction they are the reliable Resistors in the R/I.R./C. Kitting model. R/I.R./C. Color-Coded. Wire leads 1 ½" long.

Free R.M.A. Standard Resistor Color Code with every 10 resistors

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Values</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>316</td>
<td>Standard Resistors</td>
<td>500 ohms to 30,000 ohms</td>
<td>$7.40</td>
</tr>
<tr>
<td>314</td>
<td>Metallized Resistors</td>
<td>500 ohms to 300,000 ohms</td>
<td>$6.00</td>
</tr>
</tbody>
</table>

Value of Resistors in Kit $7.40

IRC Resistor Indicator $2.35

Steel Cabinet $2.50

Resistor Guide Book $1.00

Color Code Chart $0.25

Total Value $23.50

You Save $7.00

Special Kit Complete Your Cost $16.50

<table>
<thead>
<tr>
<th>Resistance</th>
<th>1 ½ Watt</th>
<th>2 Watt</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ohms</td>
<td>1.00</td>
<td>1.67</td>
<td>$0.75</td>
</tr>
<tr>
<td>100 ohms</td>
<td>2.00</td>
<td>3.33</td>
<td>$1.25</td>
</tr>
<tr>
<td>500 ohms</td>
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<td>16.67</td>
<td>$5.00</td>
</tr>
<tr>
<td>1000 ohms</td>
<td>30.00</td>
<td>49.99</td>
<td>$8.00</td>
</tr>
<tr>
<td>5000 ohms</td>
<td>100.00</td>
<td>159.99</td>
<td>$12.95</td>
</tr>
</tbody>
</table>

Power Wire Wound Resistors

<table>
<thead>
<tr>
<th>Resistance</th>
<th>1 ½ Watt</th>
<th>2 Watt</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 ohms</td>
<td>1.25</td>
<td>2.00</td>
<td>$0.75</td>
</tr>
<tr>
<td>100 ohms</td>
<td>2.50</td>
<td>4.00</td>
<td>$1.25</td>
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<tr>
<td>500 ohms</td>
<td>10.00</td>
<td>16.67</td>
<td>$5.00</td>
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<tr>
<td>1000 ohms</td>
<td>30.00</td>
<td>49.99</td>
<td>$8.00</td>
</tr>
<tr>
<td>5000 ohms</td>
<td>100.00</td>
<td>159.99</td>
<td>$12.95</td>
</tr>
</tbody>
</table>

The New N.R.C. Resistor Indicator

This Indicator is an instrument that has been designed and prepared for the service person's use to determine the exact resistance value of a defective resistor in radio sets without the use of meters. The Indicator is a calibrated wire wound resistor covering a range of 0 to 1,000,000 ohms. This is used in conjunction with a bakelite panel, equipped with clips for connecting the unit into any Radio Receiver, and a test prong to regulate the resistance values. The unit is for determining the actual resistance value giving best operating results in any receiver. Regardless of whether the service man has a circuit diagram or not, this Indicator gives a quick definite reading for the necessary resistance values without the use of an Ohmmeter. Here is a new service help, that will save you many a bad half hour. Shipping weight 2 lbs.

Certified Kit No. 3

Midget receivers have brought into existence midget resistors. These resistors are in this kit for replacement purposes. Kit consists of the most popular values used by radio set manufacturers. Kit contains 20 resistors ranging from 0.1 to 3 megohms. Shipping weight 3 lbs.

New Handy Grid-Bias Kit

Contains 10 assorted Resistors of F-1 and F-2 and Power Wire Wound (G-Watt) types required to bias the following tubes: 24, 26, 27, 71A, 10, 15, 50, 47. The kit also contains resistance values that can be used as grid suppressors. Complete information on the proper biasing of radio tubes, together with wiring diagrams, given with each kit. Shipping weight 2 lbs.
NATIONAL MIDGET CONDENSERS

No Shorted Turns. A basic feature of all two-bearing National Midget Condensers is the isolated front bearing, resulting in no shorted turns.

Exclusive Constant-Impedance Pigtail is a patented National feature. One of the many advantages that make National Midgets such consistent and invariable performers. This electrically perfect connection to the rotor eliminates the noise cracking and varying impedance (A.C. instability) of the brush type of contact.

Isolantite, a acknowledged high efficiency dielectric, is used for insulating National Midgets—reducing dielectric losses to a minimum.

Aluminum plates; thick, polished all over, with wide polished rounded edges, are used in the National SEU Ultra-High Frequency Midgets. Non-rotary characteristics of aluminum plates prevent microphonic feed-back from plate vibration.

National Condenser Designations

Cardwell Condensers
Cardwell Dual Featherweight

This dual Condenser of 380 mmdfs., each section is designed for light weight and compactness, and is used in Aircrats, Porta-Midgets, etc. Shipping weight 2 lbs. H8581—List $5.50 $3.24

Midway Featherweight

The Midway is a small, compact and extremely lightweight variable condenser, especially suited for air-craft equipment, portable equipment, etc. Desirable in receivers, transmitters and oscillator-amplifiers where weight and space are a factor. Very finely constructed—no swaged rivets or eyeslet heads to become slack. Aluminum is used throughout with the exception of bearings. A Real Condenser—not a midget. Shipping weight 2 lbs.

Receiving Type

Have .061 air gap and are suitable for low power transmitting sets using 210 tubes.

Stock Your
No. Cost Type Plates Mmf. Stator Cost
H8554 500-1B 6 15 $5.40
H8583 502-B 6 15 5.40
H8564 1.30 402-B 5 50 $5.46 2.23
H8565 1.35 408-B 7 70 $5.47 2.35
H8566 1.40 502-B 11 100 $5.48 2.47
H8567 1.47 405-B 15 150 $5.49 2.59
H8568 2.02 402-B 20 250 $5.50 2.60
H8569 1.77 407-B 28 365 $5.51 2.65

Transmitting Type

Have .07 air gap and are suitable for transmitters using up to 76 watt tubes. Rotor and Stator plates have edges well rounded and are highly polished.

Stock Max. Cap. Your
No. Type Plates Mmf. Cost
H8550 500-1B 6 15 $5.40
H8551 405-B 7 50 $4.92
H8552 410-B 9 50 $5.20
H8553 415-B 11 70 $5.44
H8554 421-B 21 100 $5.25
H8555 422-B 25 150 $5.20
H8556 428-B 28 180 $5.20

Taper Plate Condensers

This type condenser was the first designed to meet the demand for ample separation on all wave-lengths. In this design, a straight frequency tuning curve is secured by a regular variation of the thickness of the air dielectric with a pronounced gain in efficiency, compactness and mechanical strength. Shipping weight 4 lbs.

Stock Max. List Your
No. Type Plates Mmdfs. Cost
H8573 76 $4.00
H8574 5 150 $4.00 2.35
H8578 25 250 $4.00 2.79
H8577 15 500 $5.00 2.94

Short Wave Condensers

Especially recommended for short wave receivers; The 201-E has two plates which may be variable spaced, allowing a low capacity. Is unequalled for short wave work. Stator plate adjustable to afford maximum capacities from 50 to 10 mmdfs. Constant minimum 7 mmdfs. Shipping weight 2 lbs. H8547—List $4.00 $2.35

Equivalent Condensers

A very superior line of single section Variable Condensers of from 250 to 1000 mmdf. capacity. Heavy aluminum construction throughout with isolantite insulation. An extension type, with 1" shaft also furnished. Shipping weight 3 lbs. (STRAIGHT WAVE LINE TYPE) Stock Your
No. Type Mmf. List Cost
H8473 50 15 $2.50
H8435 100 25 $2.60
H8436 150 30 $2.00
H8437 200 40 $2.00
H8438 250 50 $2.00
H8439 300 60 $2.00
H8440 350 60 $2.50
H8441 400 70 $2.50
H8442 450 80 $2.50
H8443 500 90 $2.50
H8444 550 100 $2.50
H8445 600 110 $2.50
H8446 650 120 $2.50
H8447 700 130 $2.50
H8448 750 140 $2.50
H8449 800 150 $2.50
H8450 850 160 $2.50
H8451 900 170 $2.50
H8452 950 180 $2.50
H8453 1000 190 $2.50

S-E Two Gang Receiving Condenser

A two-gang condenser built especially for short wave T.R.'s and experimental and dyne receivers. An improved short wave receiving condenser in which both rotors are fully insulated from each other and from the frame. Complete isolation of all circuits is thus made possible. Tuned impedance coupled to the plate without necessity of using shunt feed with RF choke and coupling condensers, or a blocking condenser in tuned circuit. B plus connects direct to rotor Size 3/4 x 3/4 x 5/16. Shipping weight 8 lbs.

N14322—50 mmdf. $3.23
N14324—100 mmdf. $3.82

S-324—50 mmdf. $3.23

WHOLESALE RADIO SERVICE CO., INC.- 100 Sixth Ave. New York
**Hammarlund Intermediate Tuning Condensers**

Hammarlund intermediate tuning condensers of the dual style and known as the "MICD" type. Bases are of isolating, conditioned to reduce noise and to maintain constant volume and surface restantness at the same frequency, so that maximum signal response and sensitivity will be had. Each unit is 1 1/8" for a shield 2" in diameter. Best quality mic used.

<table>
<thead>
<tr>
<th>Stock Type</th>
<th>No.</th>
<th>Double Range List</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5531</td>
<td>MICD-220</td>
<td>140-220 $1.00</td>
<td>$0.58</td>
</tr>
<tr>
<td>H5532</td>
<td>MICD-140</td>
<td>70-140 90.30</td>
<td>0.47</td>
</tr>
<tr>
<td>H5533</td>
<td>MICD-70</td>
<td>10-70 .60</td>
<td></td>
</tr>
</tbody>
</table>

**Hammarlund Adjustable Padding Condensers**

This single type is used for trimming, aligning, compensating and padding purposes or wherever a quality compact, adjustable condenser is required.

<table>
<thead>
<tr>
<th>Stock Type</th>
<th>No.</th>
<th>Range List</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5534</td>
<td>MICS-220</td>
<td>140-220 $0.70</td>
<td>$0.40</td>
</tr>
<tr>
<td>H5535</td>
<td>MICS-140</td>
<td>70-140 $0.35</td>
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<tr>
<td>H5536</td>
<td>MICS-70</td>
<td>10-70 $0.20</td>
<td></td>
</tr>
</tbody>
</table>

**Midget Condensers**


- Stock Types:
  - H503:
    - No. Plates MMF MMF List Net
    - 3 20 $1.50 $0.88
  - H505*:
    - 6 4 35 1.50 0.88
  - H507*:
    - 6 5 60 1.80 1.16
  - H507:
    - 6 6 80 2.00 1.28
  - H508:
    - 14 6 100 2.30 1.55
  - H509:
    - 6 10 150 2.30 1.55
  - H510:
    - 19 7 140 2.50 1.57
  - H511:
    - 27 10 200 2.80 1.80
  - H512:
    - 34 10 310 3.50 2.17
  - H513:
    - 45 12 320 3.60 2.24

**Short Wave Condenser**

Truetest Variable Compact Short Wave and Broadcast Condensers

These Truetest Tuning Condensers are of the very latest design. Greater variety of capacities, and smaller physical area. Fully shielded between sections. Rigid construction. Positive electrical contacts. Trimmers are rigid and retain their settings after adjustment. Ball bearings, self-aligning and straight in action. Heavy aluminum plates. Shaftland frame of steel, cadmium plated. All in multiple 1/4" dia. shafts. Bakelite insulation. Mounting holes, spaced 1 1/8".

**Broadcast Condenser**

- Stock:
  - H5720:00066 1 1/4 x 1/4 x 1/16 1 lb. $0.75
  - H5721:00085 1 1/8 x 1/8 x 1/8 1 lb. $0.75
  - H5722:00061 1 1/8 x 1/8 x 1/8 1 lb. $0.75
  - H5723:00085 1 1/16 x 1/16 x 1/16 1 lb. $0.75
  - H5724:00064 1 1/16 x 1/16 x 1/16 1 lb. $0.75
  - H5725:00051 1 1/16 x 1/16 x 1/16 1 lb. $0.75
  - H5726:00066 1 1/16 x 1/16 x 1/16 1 lb. $0.75

**“Precision” Condensers for Superhet and T.R.F.**

Contribute a marked improvement to the Superhet and T.R.F. by eliminating the necessity for a so-called "padder" circuit. Units consist of one or more high-impedance condenser sections mounted on the same shaft with a matching, condenser sections for the oscillator. Heavy in construction, having trimmers for fine adjustments. Mounting holes for trimmers on either side so that direction of rotation may be either clockwise or counter-clockwise. Aluminum, tin. Single hole panel. Mounting. Length 3 1/4" behind panel. Precision cut. Steady, low losses, and careful construction provide for greatest electrical and mechanical efficiency in all types of short wave receivers. Made in two capacities.

- Stock:
  - H5720-100 mmf. per section @ $2.82
  - H5720-100 mmf. per section @ $2.59

**Drive Cables, Bands and Belts**

- Standards:
  - Atwater Kent 50 $0.80
  - Atwater Kent 55 $0.85
  - Atwater Kent 56 $0.95
  - Atwater Kent 65 $1.00
  - Atwater Kent 75 $1.10

**Best Quality Dial Cable by Foot or Spool**

A superior grade of cable offered in straight lengths. Very strong yet flexible. Sixteen strands of phosphor bronze wire, braided around tough core. Standard size diameter. Can be used with any type of receiver. 100 Foot Spool @ $1.75

**Brillianc Dial Scales**

For Models 11, 11A, 12, 12A, 16, 17, 18, 21, 22, 28, 31

These transparent dial scales are for the above Model Brillianc receivers. All holes and slots are already punched. Graduated in kiloyciles and made of the best, waxed and pigmented. Size 7/8" between points longest and 2 1/4" high, including cutout. 25c

For More Information...

**Hammarlund Adjustable Padding Condensers**

The improved "Midline" condenser design reduces the perfectly shaped "Parrmfo" to under 10" in length. Special shaped braze plates, full-floating in a braze shaft, ball and cone bearing, bronze bushed, fiberglass reinforced aluminum alloy frame. Tested to 1000 volts A. C. Shaft, 1/4" Two mounting holes in bottom. Shipping weight 1 lb.

- Stock Maximum No. Capacity Code List Cost
- H5500 .0005 $0.80
- H5501 .0006 $1.40
- H5502 .0008 $2.60

**Dual Midget Condenser**

Entire condenser built on strong mance, base, including shield the bsters. Made for single hole panel mounting. Length 3 1/4" behind panel. Precision cut. Steady, low losses, and careful construction provide for greatest electrical and mechanical efficiency in all types of short wave receivers. Made in two capacities.

Shipping weight 3 lbs. Double range. List 54.80—Your Cost $2.82

- Stock List 54.40-Your Cost $2.59

**Precision Condenser Circuits**

Some construction as above Condensers except that all sections are identical in capacity curve; the correct type for T. R. F. sets. Manufacturers type.

- Stock:
  - H5720-100 mmf. per section @ $2.82
  - H5720-100 mmf. per section @ $2.59

**RADIO RECEIVERS**

- Make of Set Model Stock No. Net
  - Colonial 33, 34, 55, 57 $0.40
  - Columbia 40s, 60s, 800 $0.35
  - Crosley 601, 602, 607 $0.35
  - Emerson 11D $0.35
  - Eveready 11D $0.35
  - I.R. Commercial 11D $0.35
  - Freed-Eiseman 11D $0.35
  - Freshman 11D $0.35
  - SK4 $0.40
  - Kolster* $0.40
  - Kallol $0.40
  - Majestic No. 1 $0.40
  - Majestic No. 2 $0.40
  - Peerless $0.40
  - RCA 16, 17, 18 $0.40
  - RCA 16, 17, 18 $0.40
  - Sparton $0.40
  - Spurtel $0.40
  - Temple $0.40
  - Weld $0.40

- * Heavy cord with beads on ends; springs. 1 Linen cord.

For More Information...

We Will Not Knowingly Be Undersold.
TRUSTED DIALS

Full Vision Dial for Long & Short Wave Work

High ratio dial for short wave work. 3½ inches high, 3 inches wide. For ¾ inch shaft. Knob shaft 3½ x 1¼ inches. Cased in 100% clockwise. Easy to mount.

Sold at $3.50.

NEW IMPROVED DRUM DIAL


Sold at $5.

2-H9816—Complete with Escutcheon plate.

Your Cost Each. $1.50

2-H9815—As above except with normal ratio for general broadcast work. Double friction dial plate.

Your Cost Each. $1.25

NEW NATIONAL NW-6 DIAL

An improved precision dial. Designed for laboratory use and other apparatus where it is necessary to calibrate readings to 1/10 of a dial scale division. Cased in 0-100 scale counter clockwise rotation. Size 3½ inches high, 6 inches wide. Knob shaft 3¼ x 1½ inches. Escutcheon plate 9½ x 7¼ inches. Shpg. Wt. 2 lbs.

Sold at $5.

2-H14363—Dial only for ¾ inch shaft.

Your Cost Each. 50¢

2-H14364—Dial only for 1 inch shaft.

Your Cost Each. 75¢

2-H14365—Escutcheon extra.

Your Cost Each. 16¢

TRUSTED DIALS

TRUSTED DUAL RATIO Wedge Drive Fan Dial


Sold at $4.

4-H9816—Your Cost...

MIDIGHT DIAL

Especially suitable for very small sets. Scale is 3 inches wide, escutcheon 3½ x 2 inches high. Amber celluloid scale 0-100. For ¾ inch shaft; knob shaft ¾ inch. Has pilot light socket. Shpg. Wt. 1 lb.

Sold at $1.

2-H9809—Complete with Escutcheon.

Your Cost Each. 44¢

FAN TYPE DIAL


Sold at $2.50.

2-H9813—Dial Plate. Each. 12¢

NEW NATIONAL DIALS Types G and H

Scale is projected onto a ground glass screen on the dial opening of the front panel. Also the oblong shaped dial separates from the various type G dials and is therefore identical in appearance. Figures greatly enlarged and easy to read from any angle. The metal type G dials are spaced 1 inch wide, have black figures on a white background. Type G Disc Dial

For use as tuning condenser. The dial is available in a wide variety of colors and is matched with each model of set. Shpg. Wt. 2 lbs.

2-H14367—Clockwise.

Your Cost Each. 80¢

2-H14368—Counterclockwise.

Your Cost Each. 82¢

2-H14369—Monocolor 370 degrees.

Your Cost Each. 50¢

Type H Drum Dial

Employed the patented Drum Dial mechanism with its wide variety of non-conducting dials and springs take-up. Monocolor type, Green. 3½ inches high, 3 inches wide. Clockwise.

Shpg. Wt. 1 lbs.

2-H14376—Dial only.

Your Cost Each. 50¢


Your Cost Each. 24¢


Your Cost Each. 3¢

2-H14360—Monocolor 370 degrees.

Your Cost Each. 50¢

2-H14369—Clockwise 50.0 lbs.

Your Cost Each. 82¢

2-H14376—Clockwise 0.0 lbs.

Your Cost Each. 24¢

2-H14377—Rainbow Clockwise.

Your Cost Each. 24¢

2-H14438—Rainbow Clockwise.

Your Cost Each. 3¢

2-H14360—Monocolor 370 degrees.

Your Cost Each. 50¢

2-H14369—Clockwise 50.0 lbs.

Your Cost Each. 82¢

NATIONAL Type "B" and "C" 4 in. Dials

Easily and quickly attached without special tools, fitted with beautiful Bakellite cover. Figured with variable ratio of 6-1 to 20-1. Type "B" is supplied with illuminator and Type "C" includes illuminator and bracket.

2-H14367—Clockwise (200-0).

List $4.75.

Your Cost. $2.00

2-H14368—Dial range (0-100).

List $2.50.

Your Cost. $1.50

2-H14369—Clockwise (0-300).

List $8.00.

Your Cost. $5.00

2-H14370—Dial range (0-100).

List $3.50.

Your Cost. $2.00

2-H14372—Clockwise 0.0 lbs.

List $2.00.

Your Cost. $1.00

2-H14374—Counterclockwise 0.0 lbs.

List $2.00.

Your Cost. $1.00

KURTZ-KASCH Bakelite Dials

Made of molded Bakelite. Requires only one hole for condenser shaft. Plugs small holes to secure dial plate for mounting. Ratio 100 to 1. Allows very fine tuning. U.S.C. type for broadcast receivers as well as short wave work. No gears to strip and no back-lash are its distinctive features.

Shpg. Wt. 1 lb.

2-H9803—4 in. Dial.

Your Cost Each. 5¢

2-H9804—6 in. Dial.

Your Cost Each. 4¢

2-H9807—10 in. Dial.

Your Cost Each. 20¢

2-H9806—10 in. Dial.

Your Cost Each. 20¢
Soldering terminals are provided 224, 235, 236, 237, 238, 245, 247, tact. Marked: Plain, 226, 227, minimum plated to prevent oxidation. Tact springs, cad-mouning. Made of soldering points and with heavy spring contacts, they are especially recommended where the quality of soldering is a consideration. All holes for mounting can be easily drilled. One center screw or knob attaches it to panel. Also fits tube bases, and can be used in making special adapters.

This new type was designed for laboratory use and base mounting. Made of bakelite, with heavy spring contacts, they are commonly used in Midget Sets, Checkers, Analyzers, etc., and wherever the quality of soldering is a consideration. All holes for mounting can be easily drilled. One center screw or knob attaches it to panel. Also fits tube bases, and can be used in making special adapters.

These low loss sockets have been combined with low cost making improved broadcast and wave reception available to everyone. Constant resistivity and perfect contact eliminate noise of insulating for lowest losses and highest surface resistivity. Glazed top and sides, rust proof side gripping contacts. Sub-panel or basic mounted. Sizes fit and span from 2.25" long by 1 3/8" wide and are ideal for low power transmitters.

These low loss sockets have been combined with low cost making improved broadcast and wave reception available to everyone. Constant resistivity and perfect contact eliminate noise of insulating for lowest losses and highest surface resistivity. Glazed top and sides, rust proof side gripping contacts. Sub-panel or basic mounted. Sizes fit and span from 2.25" long by 1 3/8" wide and are ideal for low power transmitters.

Benjamin Sockets


H4895—4 Prong
H4896—5 Prong
H4897—6 Prong

Eby Isolating Sockets

Insulating is a new snow-white material of very high insulating quality. Its low loss at high frequencies makes it the best material for sockets.

M1311—4 Prong
M1312—5 Prong
M1313—6 Prong

Radio Knobs

Beautifully turned and carved with brass knobs. Two sizes, superior in design and workmanship to any we have ever offered. We have set screws for mounting on 1/4" shafts.

H9860—A 12 for $1.00
H9861—C 12 for $.50

Kurz-Kasch

A special selection of fine Bakelite Radio sockets, that will enhance the appearance of No. 127—1/4". Ornamental top.

H9897—Your Cost Each

Universal Socket

This is the latest in tube socket design. A Universal socket is recommended where all types of tubes may be tested or used in this socket. For replacing test sockets in old analyzers or for checkers making possible the checking of new type tubes without adapters. While the flange points of all tubes are common, the Grid, Plate, Cathode and Suppressor prongs vary in the different type tubes, and the nine holes about the Blue and Red Ring of the Universal Socket are arranged so that it fits all the above type tubes.

Pilot Sockets

Set Builders Type

Perfect Insulation

Made of composition.

H10220—5 Prong

Screw Type

Has screws for attaching to chassis or sub-panel.

H10224—4 Prong

RCA Radiola Knobs

These Knobs are made to push on a 1/4" shaft. There is no set screw required, but the knob and shaft must be a push on fit. Types A and B are made of Dark Brown Bakelite; types C and D are made of a high grade polished Hard-wood. All have heavy bronze spring clips.

H9896 Type B

H9897 Type C

H9898 Type D

H9899 Type E

Radio Knobs

your radio, or control panel, and then insert the 1/4" hole, and set screw.

H9891—5 Prong

H9892—6 Prong

H9893—7 Prong

H9894—8 Prong

H9895—9 Prong

H9896—10 Prong

H9897—11 Prong

H9898—12 Prong

In Lots of 12 $1.00

No. 59—1 3/8". Fitted with a 1/4" hole, and set screw.

H9891—5 Prong

H9892—6 Prong

H9893—7 Prong

H9894—8 Prong

H9895—9 Prong

H9896—10 Prong

H9897—11 Prong

H9898—12 Prong

In Lots of 12 $3.00

www.americanradiohistory.com
Composite Oscillator-Detector-1. F. 175 K.C.
High gain component used as the first detector, oscillator, and 4-T.F. transformer. Special tracking oscillator section of variable condensers. #00588 mfd. Enclosed and fully shielded. In a square aluminum can, 8" high, 2" square. Has two spade bolts for mounting. Shipping weight 3 lbs.

$1.25

Litz Wound Antenna

Lattice wound primary on colar. Has two spade bolts for mounting over secondary. Peaked to prevent detuning antenna stage by variation of antenna length. Ring prevents loss of energy at high frequencies and facilitates phasing. Bakedite form #332x3/4. Supplied. Use as an antenna stage in TRF or Super-Het circuits. Weight 8 oz.

$0.45

Litz Wound R.F. Inter-Stage Coil


$0.55

Oscillator Coil

For use where a shielded oscillator coil is required. Bakedite form #3x3/4" having a nickel covered soldering point for easy winding and a picture frame type winding, space wound over entire length of bakelite primary winding. Less shield exposed. Shipping weight 8 oz.

$0.55

Pre-Selector Coil

A very efficient low cost pre-selector coil, lattice wound with heavy Litz wire. The form is coated with wax maple and has .106 hole in one end for mounting. Pre-selector coil used with a telegraph key machine. Shipping weight 8 oz.

$0.93

Pre-Selector Coil

A very efficient low cost pre-selector coil, lattice wound with heavy Litz wire. The form is coated with wax maple and has .106 hole in one end for mounting. Pre-selector coil used with a telegraph key machine. Shipping weight 8 oz.

$0.45

7 or 8 Tube Super-Het. Coil Kit with Precision Variable Condenser

1-56; 2-57; 2-58; or Wunderlich; 1 or 2-47; 1-80 or 82

$1.50

This is the finest kit of coils, together with the precision variable condenser, that you can possibly buy for the construction of a 7 or 8 tube superheterodyne receiver employing the latest type tubes. By using Trutest DeLuxe products for the power transformer and audio equipment, described in this catalog, a set having the finest tone quality of any receiver, either factory made or custom built, can be had. Anyone with a small knowledge of radio can easily hook-up this kit within a few hours. 10 kilocycle tuning. Provides extreme pick-up. Has tremendous sensitivity and selectivity per stage. These identical coils are used in the finest, most expensive factory made receivers. Complete blue print diagram showing the necessary resistances, the color code of the different wires on the coils and where they are connected, is included. One Litz wound antenna coil; one Litz wound R.F. coil, one Litz wound oscillator coil; two 1. F. transformers peaked at 175 K.C. Has top tuning. All are electrically isolated in square aluminum cans, 3" high, 2" square. Two 6/32 bolts for mounting. Complete kit of coils with four gang .00035 variable condenser, blue auto-radio set, weight 8 lbs.

$7.10

$7.70

$5.90

$5.10

5 Tube Midget Super-Het. Coil Kit

For 2-57; 1-58 or Wunderlich; 1-47; 1-40. Using 3 Gang Condenser .00036 Mfd. Essential kit of three coils; a compact band pass pre-selector; a composite detector-oscillator-attenuator. First was peaked at 176 K.C. In .00036 square aluminum cans, 3" high, 1 1/4" square. An output of first stage having a maximum gain in I. F. coils, 1/4" round aluminum cans, 1 1/4" high, 1 1/4" in diameter. Range approximately 160 to 560 meters on three gang superhet circuits. Using these coils and other high quality parts, a set having a sensitivity of micro-volts per meter. Complete blue print diagram furnished with this kit. No variable condenser is supplied with this kit, but one can be selected from the condenser page in this catalog. Shipping weight 8 oz.

$1.95

$2.20

Find-All Coils

Find-All coils are adapted for all types of microphone, and their uncomplicated design makes them especially desirable for use in midget sets, radio sets, universal A.C.-D.C. etc. The low-loss feature of these coils, makes it necessary to shield them. Where maximum selectivity is desired these coils are especially recommended. Where space is at a premium, no other coils can take the place of find-all coils. Available in two types—a miniature coupler and the impedance. They also have the lowest possible ratio between R. and D. C. resistance. Very low effective resistance is made possible only by the use of special Litz wire. Set of two coils, one each for microphone and galvanometer. Shipping weight 8 oz.

$1.00

$1.50

WHOLESALE RADIO SERVICE CO., INC. - 100 Sixth Ave., New York
T.R.F. Coil Kits — Plug-in Coils—Shields

Trutest Shielded R. F. Coils
Very sensitive.
For use with all types S-G tubes and .0005 Mf.
condensers. Antenna Coil: primary 14
turns No. 28 D.C., secondary 130 turns No.
30 enam. R.F. Coil: primary 61 turns No. 31
enam., secondary 130 turns No. 30 enam.
Coil 3,040 high shield 24/12" high. Sets of
three have one Antenna Coil and two R. F.
Coils; sets of four have one Antenna Coil and
three R.F. Coils. Shipping weight 8 oz.
M 10087—Set of 3
Your Cost
75c
M 10088—Set of 4
Your Cost
95c

Untuned Assembly
A combination of a self tuned bifilar transformer peaked at
500 K. C. and a detector plate
ductor, Antenna Coil: primary 14
turns No. 28 D.C., secondary 130 turns
No. 30 enam. R.F. Coil: primary 61 turns No.
31 enam., secondary 130 turns No. 30 enam.
Coil 3,040 high shield 24/12" high. Sets of
three have one Antenna Coil and two R. F.
Coils; sets of four have one Antenna Coil and
three R.F. Coils. Shipping weight 8 oz.
M 10087—Set of 3
Your Cost
75c
M 10088—Set of 4
Your Cost
95c

Trutest T. R. F. Coil Kits
Secondary Litz Wire Bank Wound
Litz wire
coops on
1/8" dia.
1 form 24/12" long,
1 form 24/12" long,
mounted in
shields 17/8" dia.,
mounted in shields 17/8" dia.,
2 1/2" long,
provided with
a mounting lug. Solid
der lug connections.
Most efficient T. R. F. coils ever designed.
Exceptionally high gain (62.5 at 1500 K.C. and
42.5 at 5500 K.C.). Covers band 550 to 3700
Blue print of circuit diagrams included.

For 4 Tube Set
2 Coils; 1 Antenna—1 R. F. For 2-24; 1-47;
1-80 or 2-87; 1-8; 1-47; 1-80 tubes.
H10048—List Price $1.75
Your Cost
89c

For 5 Tube Set
3 Coils; 1 Antenna—2 R. F. For 2-36; 1-47;
1-98 or 2-97; 1-58; 1-47; 1-80 tubes.
H10046—List Price $2.60
Your Cost
$1.34

For 6 Tube Set
4 Coils; 1 Antenna—3 R. F. For 2-36; 1-47;
1-98 or 2-97; 1-58; 1-47; 1-80 tubes.
H10047—List Price $3.25
Your Cost
$1.75

For 7 Tube Set
5 Coils; 1 Antenna—4 R. F. For 2-36; 1-47;
1-98 or 2-97; 1-58; 1-47; 1-80 tubes.
H10048—List Price $4.40
Your Cost
$1.99

Conoid Coils
Conoid R. F. Coils are
fully shielded and self-
supporting metal
container. Suitable for
Portable, Midget and Au-
tomobile receivers.
Removable bases on shields
for ease of mounting, either panel or sub-panel.
Operation with .0006 Mfd. condenser. Solder-
ing Lugs marked with their respective connec-
tions. Shipping weight 8 oz. Size 2 1/2"
diameter., 1 1/2" high.
M10032—Antenna Coil
M10038—R. F. Coil
Your Cost (either type)
35c

Matched Set of Three
1-Antenna Coil, 2 R. F. Coils
M10085—Your Cost (per set)
95c

Matched Set of Four
1 Antenna Coil, 3 R. F. Coils
M10086—Your Cost (per set)
1.25

Short Wave Plug-in Coil Set
4 Prong Base
Four coils, wave length range 15 to 200 meters,
on .00014 condenser. Bakelite forms 1 1/2"
diameter by 2 1/2" high. Four prong base with
connections and spring loaded prongs.
H10049—Set of four.
Your Cost
$1.25

Kolster Variometer
For replacement in Kol-
ster Models K-20, 22,
25, 48A, 48B. Brand
new condition. Solves
the question of how to
tune the aerial circuit,
disposing of its distribu-
ted capacity. Replac-
ing a new Variometer
in a Kolster receiver very
often improves the reception. Shipping weight
2 lbs.
H10050—List $6.00
Your Cost Special
25c

Trutest Special
Tube Shield
Complete, copper-plated
finished tube shield. Removable top and
bottom base. Size 5 1/2", high. 2 1/4" diameter.
Perforated for ventilation. Very popular shield, at a
low price. Shipping weight 1 lb.
M13261—Per Dosen $1.25
Your Cost Each
12c

Trucoat Special
Coil Shield
One of the most popular coil
shields made. Fits over a coil
or tube. Aluminum, drawn, size 3/8" high,
2 1/4" diameter. Mounting flange, Baked Enam.
Weight 0.75 lb.
M13257—Per Dosen
Your Cost Each
21c

Trucoat Tube Shield
A rugged Aluminum coil
shield. Base is drawn, size 3/8" high,
2" diameter. Shipping weight 1 lb.
M13256—Your Cost Each
30c

We Will Not Knowingly Be Undersold
RADIO FREQUENCY CHOKES

Pilot Chokes

H10214 Your Cost... 30c
H10215 Your Cost... 74c

Shielded Choke
Made by General Communications Lab. 24 m.h. R.F. choke, shielded, for general use on broadcast receivers. Effective range extends from about 15 meters to 600, its distributed capacity being very low. 1½ x ½ inch. 1 lb. Shipping weight 6 oz.

H10139 Your Cost... 75c

Hammariund
Genuine helical windings, coiled in moulded form. Large inductances with minimum of distributed capacity. For plate circuits and grid returns. Will pass 60 M.A. 85 m.h. a capacity of 3 m.m. D.C. res. of 210 ohms.

H8226 Your Cost... $1.17

250 m.h. a capacity of 2 m.m. D.C. res. of 420 ohms.

H8326 Your Cost... $1.32

Majestic R.F. Chokes
55 Millionaries
This is a popular sized radio frequency choke, that can be used for multitudes of purposes, in many circuits and hook-ups, as well as for a replacement in any set. It is accurately wound of 1900 coils of No. 34 enamelled wire; cotton covered.

H10048 Your Costs Each... 12c

Hammarlund Isolatante S.W. Coil Forms
New type of plug-in coil form affording maximum efficiency at high frequencies. The material is known to science to be the finest for high frequency work. The form is equipped with a black enamel coated surface. Surface of form is non-skid. Plenty of wire holes, making drilling unnecessary. Diameter 1½ x ½ inch, exclusive of coil.

H10056-4 Prong Form Your Cost Each... 14c

H10058-6 Prong Form Your Cost Each... 15c

H10059-8 Prong Form

Set of four 4-Prong Forms Your Cost Each... 50c

Set of four 6-Prong Forms Your Cost Each... 55c

Shipping weight 2 lbs.

Duo Lateral Honeycomb Coils
Mounted Duo Lateral Honeycomb Coils for broadcast and long-wave reception. Not made to be the minimum capacity of the 17 Plate condenser plus the parasitic capacity of the wiring of the circuit. Also 75 m.h. to be the minimum of the 28-plate condenser.

H10100 25 20 20 300 355 1.55
H10102 75 20 20 300 355 1.55
H10104 150 20 20 300 355 1.55
H10106 200 20 20 300 355 1.55
H10108 300 20 20 300 355 1.55
H10110 500 20 20 300 355 1.55
H10112 750 20 20 300 355 1.55

Youth Your Cost Each... 45c

Victor R.F. Coils

H10059 Your Cost per Set... $1.50

Hammariund Capa
t range of condenser in Micro-Micro

H10100 25 20 20 300 355 1.55
H10102 75 20 20 300 355 1.55
H10104 150 20 20 300 355 1.55
H10106 200 20 20 300 355 1.55
H10108 300 20 20 300 355 1.55
H10110 500 20 20 300 355 1.55
H10112 750 20 20 300 355 1.55

Youth Your Cost Each... 45c

Hammariund Isolatante S.W. Coil Forms
New type of plug-in coil form affording maximum efficiency at high frequencies. The material is known to science to be the finest for high frequency work. The form is equipped with a black enamel coated surface. Surface of form is non-skid. Plenty of wire holes, making drilling unnecessary. Diameter 1½ x ½ inch, exclusive of coil.

H10056-4 Prong Form Your Cost Each... 14c

H10058-6 Prong Form Your Cost Each... 15c

H10059-8 Prong Form

Set of four 4-Prong Forms Your Cost Each... 50c

Set of four 6-Prong Forms Your Cost Each... 55c

Shipping weight 2 lbs.

Victor R.F. Coils

H10059 Your Cost per Set... $1.50

Hammariund Isolatante S.W. Coil Forms
New type of plug-in coil form affording maximum efficiency at high frequencies. The material is known to science to be the finest for high frequency work. The form is equipped with a black enamel coated surface. Surface of form is non-skid. Plenty of wire holes, making drilling unnecessary. Diameter 1½ x ½ inch, exclusive of coil.

H10056-4 Prong Form Your Cost Each... 14c

H10058-6 Prong Form Your Cost Each... 15c

H10059-8 Prong Form

Set of four 4-Prong Forms Your Cost Each... 50c

Set of four 6-Prong Forms Your Cost Each... 55c

Shipping weight 2 lbs.

Victor R.F. Coils

H10059 Your Cost per Set... $1.50

Hammariund Isolatante S.W. Coil Forms
New type of plug-in coil form affording maximum efficiency at high frequencies. The material is known to science to be the finest for high frequency work. The form is equipped with a black enamel coated surface. Surface of form is non-skid. Plenty of wire holes, making drilling unnecessary. Diameter 1½ x ½ inch, exclusive of coil.

H10056-4 Prong Form Your Cost Each... 14c

H10058-6 Prong Form Your Cost Each... 15c

H10059-8 Prong Form

Set of four 4-Prong Forms Your Cost Each... 50c

Set of four 6-Prong Forms Your Cost Each... 55c

Shipping weight 2 lbs.

Trutest Super-Het. Short Wave Converter Coil Assembly
An assembly of short-wave coils and a large capacity switch, eliminating the inductor coil in coils. Just a turn of the switch enables choice of the 10-200, 40-80, and 80-200 meter bands. Designed to be used with a two tube circuit consisting of a first detector and an oscillator. The output then may be fed to a standard T.R.F. or a Super-Het. 200-550 meter broadcast receiver, this complete assembly consisting of a very efficient short-wave Super-Het. receiver, plus high gain short-wave broadcast receiver. All power can be furnished by the regular broadcast receiver. Equipped with knob and escutcheon plate marked with wave-length. Panel. 70-2000 m.f. condenser. Diagram of hook-up furnished. Shipping weight 8 oz.

H10091 Your Cost... 19c

H10092 16 Millionaries

For Short Wave Work, 5.5 m.h.

H10097 Your Cost... 19c

RCA-Radiola
R.F. Filter Coil With Condensers
Models 44-46-47
Genuine replacement Part No. 6000. Compatible with Mitchel strip, with 3 terminals, 2 by-pass condensers, R.F. Filter Coil and mounting bracket. Can be used in any receiver, especially suitable for Sonorous or Universal Coupler units. Shipping weight 1 lb.

H10098 Your Cost... 19c

RCA-Radiola
R.F. Filter Coil With Condensers
Models 44-46-47
Genuine replacement Part No. 6000. Compatible with Mitchel strip, with 3 terminals, 2 by-pass condensers, R.F. Filter Coil and mounting bracket. Can be used in any receiver, especially suitable for Sonorous or Universal Coupler units. Shipping weight 1 lb.

H10099 Your Cost... 19c

www.americanradiohistory.com
Yaxley Pup Jack

Each .417. For speaker connections and battery leads. Mounts 1/4" hole. Shipping weight 2 oz.

F6467—Each 15c

Yaxley Insulated Tip Jack

No. 422. Bakelite Cap, Red and Black for Positive and Negative. Phone tip needed to make the way in jack. Mounts in 1/4" hole. Shipping weight 2 oz.

F6467—Per Pair 15c

Yaxley Tip Jack

No. 16 Tip Jack with positive single conductor contact, is used for test panels, instruments, battery leads, and in sets for aerial and ground, battery and speaker connections, etc. Hole 5/16". Easy and convenient to remove. M13035—List .25c

Your Cost Each 20c

Panel Lights

No. 330. Panel Light, is a convenient reflector for panel mounting. Can also be used for instrument panels, clocks, etc. Mounts in a single 1/4" hole. In nickel backed.

F6390—List 50c

Moulded Twin Tip Jacks

Shorting Type No. 448. The circuit is automatically closed when a short is removed. Moulded bakelite with single hole mounting. Assembly completely insulated.

M13035—List 25c

Your Cost Each 15c

EBY Rotary Switches


Single Pole, Single Throw M12825 Each .15c

Per Dozen .10c

Single Pole, Double Throw M12826 Each .18c

Per Dozen .12c

Porcelain Base Knife Switches

For many radio and electrical uses, especially suitable for aeral and panel mounting. Copper contacts and blades.

Stock No. Poles Throw

R101—4 1/4" dia. 1 1/4" dia.
R1621—1 D .14
R1622—2 D .24
R1623—3 D .34
R1625—4 D .44

Carter Phono Radio Switch

Complete with 110, double throw. Single pole, double throw, 3/4" shaft.

Each 14c

Per Dozen .12

Hart & Hageman Momentary Break Switches

When temporary contact is wanted.

M12825—Each .15c

Per Dozen .10c

Miniature Bakelite Knife Switches

Nickel plated metal parts. Single pole types 1 1/4" long, double pole 3 1/4" long. Black No. Poles Throw

R16830—1 S .05
R16831—2 S .07
R16832—3 S .09
R16833—4 S .11
R16834—5 S .13
R16835—6 S .15
R16836—7 S .17
R16837—8 S .19
R16838—9 S .21
R16839—10 S .23
R16840—11 S .25
R16841—12 S .27

G. E. Rotary Switch with Knob

On and off switch, Rated 3 amps, 125 volts. Approved. 3/4" shaft for G.E. rotating knobs.

M12827—Each .15c

Per Dozen .12

Yaxley Junior Jack Switches

These Junior Jack Switches are used in the circuit, in the oil tank, for making up control circuits, etc., where the space is limited. To be used only in very small spaces. Switch is made in panels with panel insulators, designed to be used in the lamp. Complete with black knob, on-off position. Finished completely with Bakelite knob, Mounting in single hole 1/4" thick. 1 1/2" deep.

Two-Position Switches

F6471—No. 709. Single pole, double throw.

List 85c, Net .50c

F6472—No. 766. Double pole, double throw.

List 1.10, Net .55c

F6473—No. 745. Single pole, double throw, center off.

List 75c, Net .45c

F6459—No. 706. Double pole, double throw, center off.

List 1.25, Net .75c

Three-Position Switches

F6440—No. 732. Single pole, double throw, center off.

List 85c, Net .50c

F6441—No. 762. Double pole, double throw, center off.

List 1.10, Net .70c

F6442—No. 765. Double pole, double throw, center off.

List 1.55, Net .90c

F6443—No. 764. 4-pole, double throw, center off.

List 1.95, Net .95c

Yaxley Junior Jacks

Much smaller and requiring less mounting space than the long jack, they are used where space is at a premium. Extends 1 1/2" behind panel. Shipping weight 6 ozs.

F6450—No. 701. Open circuit, List 6c, Net .25c

F6451—No. 702. Circuit closing.

List 55c, Net .30c

F6452—No. 703. Circuit closing.

List 55c, Net .30c

F6453—No. 704. Circuit closing.

List 75c, Net .45c

F6448—No. 706. Interstage Filter Control.

List 55c, Net .30c

Bakelite Insulated Jacks

No. 407. These Jacks have attractively colored Bakelite caps, Red for Positive, Black for Negative. Tip measuring the way in the jack. These caps lessen danger of shorting. Mounting 1/4" hole up to 5/16" thick.

No. 422. Bakelite Yaxley Jack.

F6445—List per Pair 35c

Your Cost Each 21c

Tip Plugs

No. 415. For use with Tip Jacks. Used for test leads in meters, panels, etc. For use with Tip Jacks Nos. 407, 416, 417.

Get Each

Your Cost Each .20c

No. 15. Same construction as No. 415, except has longer tip. To be used with Tip Jacks No. 10, 16, 422.

F6439—List 15c each

Your Cost Each 9c

Cutter-Hammer Switches

Single Pole Double Throw Switch

Three terminals, one common. 1/4" hole. One pole on each end. Ideal for Phono Radio Switch. Rated 2 amps, at 120 volts, 1/2" shaft.

M12834—Each .20c

Per Dozen .15c

2 Circuit Rotary

Two way, two circuit, Rated 3 amps, 150 volts. Shaft 1/4" long, standard knob.

M12857—Each .19c

Per Dozen .15c

Per Dozen .12c

D. P. D. T. Toggle

A suitable switch for meter panel use, not long enough. Not suitable for 110 volt A.C.

M12835—Each .42c

Per Dozen .35c

Long Shank Switch

Same as above except except for use with meters, etc. Ideal for wood panels.

M12835—17c

Per Dozen .15c

Yaxley Push Button Switches

Non-locking Momentary Switches

Yaxley Push Button Switches are available in wide range of spring combinations. Furnished complete with black Bakelite knob. Mounts in single hole 1/4" diameter, on panel up to 1/2" thick.

F6460—No. 2001. Make contact.

List 90c. Your Cost Each .53c


List 55c, Net .30c


List 1.00. Your Cost Each .59c

F6457—No. 2004. 2-pole, 2-throw.

List 1.20. Your Cost Each .59c

F6501—No. 2005. 2-pole, brake.

List 1.20. Your Cost Each .59c

Pilot Light Bracket

No. 301. Light Bracket has an attractive Jeweled face mounted so that pilot bulb illuminates with an amber glow, when your set is on. A reminder to turn it off at night.

F6467—List 30c

Your Cost Each 15c

Yaxley Tip Jacks

No. 416. This is one of the most popular types for use with Tip Jacks. Single pole, single throw.

F6437—List 15c

Your Cost Each 9c

www.americanradiohistory.com
**NATIONALLY ADVERTISED RADIO BATTERIES**

### Exide Batteries

There is no better storage battery made than the Exide. Those listed below are made especially for radio uses and are genuinely 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 requirement.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Voltage</th>
<th>Capacity</th>
<th>Plate</th>
<th>Shpg. Wt.</th>
<th>Your Cost</th>
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<tbody>
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<td>6</td>
<td>50 AHB</td>
<td>5</td>
<td>35</td>
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<tr>
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<td>100 AHR</td>
<td>9</td>
<td>23</td>
<td>5.75</td>
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</tbody>
</table>

### EVEREADY AIR CELL

To supply flammable current to type 30, 31, 32, 33 and 34 two volt tubes. Guaranteed only when used in connection with a receiver designed for it. If used with a built-in rectifier, insert suitable resistors to keep voltage down—those actually required, and that so the maximum drain will not exceed .65 amperes, otherwise tubes and battery may be damaged. Will deliver upward to 1000 hours service with a 6-tube receiver when used 2½ to 3 hours per day.

Shipment weight 33 lbs.

Y19757—List Price $5.50

Your Cost Each $5.95

### Universal Muller Battery Clips

Leaded coated clips. Heavy spring. Positive contact jaws.

<table>
<thead>
<tr>
<th>Q16052—No. 24A</th>
<th>Lead coated</th>
<th>6&quot;</th>
<th>10 for</th>
<th>25c</th>
<th>Each 4.5c</th>
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<tr>
<td>Q16083—No. 48B</td>
<td>Lead coated</td>
<td>2&quot; long</td>
<td>50c</td>
<td>Each 2.5c</td>
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<tr>
<td>Q16060—No. 46B</td>
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<td>10 for</td>
<td>.33c</td>
<td>Each 2.3c</td>
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<tr>
<td>Q16060—No. 46B</td>
<td>Lead coated</td>
<td>2&quot;</td>
<td>10 for</td>
<td>.33c</td>
<td>Each 2.3c</td>
</tr>
<tr>
<td>Q16060—No. 21A</td>
<td>Lead coated</td>
<td>3½&quot; long</td>
<td>13c</td>
<td>Each 8c</td>
<td></td>
</tr>
<tr>
<td>Q16063—No. 24B</td>
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<td>3½&quot; long</td>
<td>13c</td>
<td>Each 8c</td>
<td></td>
</tr>
</tbody>
</table>

| Y18175—List $4.40 | Your Cost Each $2.95 |

### Mark Time Switches

Important radio programs are missed through sheer forgetfulness. People fall asleep, to awake hours later and find their set still operating.

Thousands prefer to be awakened by a cheery radio announcement, rather than by the terrible din on an alarm clock. The answer is in a Mark Time Switch. It is only 2½ x 1/4" deep, excluding knob. Turns ON or OFF any time from five minutes to fifteen hours.

2 lbs.

V18181—List $5.40

Your Cost Each $3.09

### Hydrometer

Live red rubber bulb and nozzle; Glass Rod. Shipping weight 3 lbs.

P15594—Your Cost Each $2.25

### Trutest Automobile Battery Charger

This efficient and inexpensive charger will keep your battery up to its full capacity at all times. You cannot remain without a charger, with the increased demand on your automobile battery due to the use of your auto radio and other necessities of present day cars. This is an essential part of your car equipment. A simple installation and it is ready for use. Attach the clamp-on receptacle to the back board of your car and attach the two leads from the receptacle to the ammeter and your charger is ready for use. When you drive into your garage at night simply plug your charger into the receptacle and it will keep your battery the necessary boost to keep it up to its full capacity. Shipping weight 7 lbs.

N14200—Your Cost $3.95

### Mallory Elkon Automobile “A” Battery Charger

Here is the solution to that ever-present and increasingly important problem of a run down Automobile Battery. With present day development of the necessities used in an Auto, there is an increasing demand placed upon the Battery; a duty it is unable to meet unaided. The solution, an easy and most economical one—Use this Charger. No installation, simply attach clamp-on receptacle to dash and attach wires to ammeter and ground—that’s all. Size 7½" long; 3½" deep. Shipping weight 7 lbs.

P15698—List $5.75

Your Cost $5.75

### National Velvet “B” Eliminator

This rugged unit has been designed with liberal factors of safety; Operates 1 to 6-tube sets, including power tube. Provided with protective voltage adjustment, adjustable taps giving the following voltages: 22-45 for detector, 45-90 for r.f. 90-135 for Audio and full 180 volts at 95 M.A. for Power Tube (Non-adjustable). Shipping weight 8 lbs. Silent, Hum-free output. Black crystalline case.

H14380—List $26.50

Your Cost Each $9.95

### SUPER VELVET “B”

A strictly heavy duty unit with output of 70 M.A. at 180 volts. Similar in appearance and operation to the above unit except that the 150 volt output is adjustable. Its output of 70 M.A. is sufficient to furnish current to receive from 1 to 9 tubes. Black crystalline case. Shipping weight 26 lbs.

H14381—List $39.50

Your Cost with Tube $23.23

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**Uniform quality insures equal current drain and low internal resistance.**
Interference Filters – Voltage and Tone Controls

Insuline Popular Filtervolt
A heavy duty appliance which filters out man-made static caused by electric signs, large electric motors, oil burners, and other larger machines. Can be used on all types of sets either A.C. or D.C. Housed in a neat metal japanned case, size 5 5/8x3 1/2x3 3/4". Equally effective on 25-60 cycle, 90-120 volt A.C., or 60 cycle D.C. a six foot control 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 ground good connection. Completely sealed in a metal case finished in a pleasing bronze lacquer. Size 5 5/8x3 1/2x3 3/4" high. Shipping weight 6 lbs.

RCA Universal Filter Unit – Type "A"
Made by The Radio Corporation of America. This Universal Filter Unit is a small, compact, semi-portable unit to be used with motors, vending, electric toys, television, etc. and other apparatus, etc. The filter is capable of a continuous current of 2/5 amperes at 120 volts A.C. or 3 1/2 amperes on grounded neutral wiring systems. It is connected between the receiver and appliance with provided binding post to connect with control wire from Filterette to frame of appliance, unit may be used on A.C. or D.C. maximum current 6 amperes. Shipping weight 4 lbs.

Filterette Senior
Especially recommended for portable electrical appliances causing a more intense interference than that suppressed by the Filterettes Jr. It is used in connection with appliance and provided with binding post to connect with control wire from Filterette to frame of appliance; unit may be used on A.C. or D.C. maximum current 6 amperes. Shipping weight 4 lbs.

Filterette Junior
A compact Filterette for household appliances. Vacuum cleaners, small hair dryers, fans and cash registers are easily made interference free by the use of a Filterette. The function of the Filterette is to prevent the distribution of static along wiring circuits of impulses or disturbances having frequencies within the broadcast band. Housed in bakelite case 3 7/8" in diameter and 2 5/8" long. Provided with binding post for connecting return wire from Filterette to the appliance. Maximum potential 110 volts A.C. or D.C. Shipping weight 1 lb.

Elkon Replacement Rectifiers
Type "B" full-wave units are made for dynamic speakers, "A" powers, etc. Type B-15 is for "A" eliminator or service man. Type X-12 is for "A" eliminator or service man. Type X-10 should be used in the Elkon Type E, W. L. S. and Song Bird. Shipping weight 1 lb. Stock No. 9432 – Type X-12. List $4.50. Your Cost $2.35

Filter Insertion
For Trickle chargers.
Thousands of chargers using these chargers should be used in the Elkon Type B and T. National Battery Co. and Battery. Type X-12 should be used in the Elkon Type E, W. L. S. and Song Bird. Shipping weight 1 lb. Stock No. 8429 – Type XB-4. List $4.00 set. Your Cost $2.35

Aerovox Interference Filter
Type IN-26
A lighter duty unit than the above. Very effective in reducing the noises in radio sets produced by electric fans and similar small machinery. Suitable for any 110 volt A.C. Line, or any D.C. Line of 200 or less volts. Most effective when used at the source of interference. Shipping weight 1 lb.

Aerovox Interference Filter
Type IN-25
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 conductive line. A necessity for use with stationary equipment such as fans, radio receivers, etc., which do not require long extension leads. For 200 volt D.C., 110 volt A.C. Shipping weight 1 lb.

Elkon Recifier Filters
Type X-10 is for "A" Eliminators as used in Elkon Type E, W. L. S. and Song Bird. Type X-12 should be used in the Elkon Type E, W. L. S. and Song Bird. Shipping weight 1 lb. Stock No. 8429 – Type XB-4. List $4.00 set. Your Cost $2.35

Elkon Rectifiers
For Trickle and T. National Battery chargers.
Thousands of chargers using these chargers should be used in the Elkon Type B and T. National Battery Co. and Battery. Type X-12 should be used in the Elkon Type E, W. L. S. and Song Bird. Shipping weight 1 lb. Stock No. 8429 – Type XB-4. List $4.00 set. Your Cost $2.35

Replacement Part Headquarters for Dealers and Service Men

www.americanradiohistory.com
Improve the Set with a Real Regulator

The Radio Owl

Turns off your radio silently, automatically. Operates on any radio set, either battery or A. C. type. Can be used to turn off lights in the home, or signs in the store. Can be installed in a second. Simply plug into light socket, then plug radio into the same double connection. Sturdily constructed of metal, practically indestructible. Is attractively finished, and will not mar the finish of walls or cabinets. Fits any standard outlet.

Universal Resistovolt

Meets an existing condition in practically all households, namely voltage fluctuation, the bane of radio tubes, also fading reception due to this cause. With a variation of as much as thirty percent in some local lines, as well as a general fluctuation throughout the country, the control of the Resistovolt is to level out these fluctuations. Made by ICA. Shipping weight 8 oz.

I. C. A. Resistovolt

Protects tubes, condensers and the downtown area voltage surge. Made by ICA. Shipping weight 8 oz.

Universal Resistovolt

For sets using 6 tubes or less. List Price, $1.25 — For sets using more than six tubes. List Price, $1.50 — Your Cost (either) 75¢

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Protects tubes, condensers and the downtown area voltage surge. Made by ICA. Shipping weight 8 oz.
French Duplex Cradle Phones

The New Connecticut French Type Cradle Phone is designed to fill the demand for an inexpensive portable type telephone and signal system. Standard dry cells for permanent installations and over 150 feet lines. Base of phone is of heavy gauge steel and contains operating mechanism, including buzzer and necessary connections. Finished in light green, Shipped in sets of 10.

M13440—List $7.50
Your Cost Per Pair $5.50

Frost DX
Special Fones
20,000 Ohms Impedance
Designed by Frost, this product is the result of over thirty years experience in the manufacture of the highest grade telephone equipment. These phones fully meet the requirements of DX and DX fans. They are extremely sensitive to the faintest sound. The Frost type already audible can be heard for hours without the slightest discomfort. Wire the finest grade, enameled, and machine wound on the magnet bobbins insuring accuracy. Magnets are of soft iron steel; diaphragms of finest gauge metal are exposed to the faintest impulse. Shells are of polished aluminum with black composition case. Equipped with a five-foot flexible cord; very durable insuring long wear. Has standard phone tips. Its impedance of 20000 ohms makes it a very handy phone for testing and peaking intermediate frequency transformers in superhet receivers, as well as for all-around testing.

N13915—List $5.00
Your Cost Per Pair $2.50

Frost DX
20000 Ohms $1.38 Pair

Brandes Phones
A scientifically made set of head phones designed for those demanding a super sensitive pair. They are size full and yet are unusually comfortable to wear. Shells are of polished aluminum. Resistances 2000 ohms. Adjustable. Web covered flexible steel band. Complete with cords. Shipping weight 2 lbs.

N13930—Your Cost Per Pair $1.10

Cannon Ball Phones
The biggest phone value we have ever offered! A high grade exquisitely sensitive pair of head phones at a price that defies competition. Aluminum shells. Adjustable web covered headbands. Molded rubber caps. Total resistance 2000 ohms. Complete with cords. Shipping weight 2 lbs.

N13930—Your Cost Per Pair $1.35

New Feather-weight Head Phones
You would scarcely know you had them on. So light and so comfortable that you can wear them for hours at use does not bring the wearier 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 cradle maroon lacquer. Phone tips similarly finished. Shipping weight 1 lbs.

N13935—Your Cost Per Pair $1.10

Ear Phone Cushions
These cushions, made of soft rubber, are ideally suited for amateur, wire- less operator and others using phones over a long period of time.

N13940—List Per Pair $1.35
Your Cost $1.00

Yaxley Double Phone Plugs
Have many uses, such as to plug in one pair of plug or earphone; or one pair of phones and one speaker; or two speakers. Insulated to prevent shorting.

F2925—Your Cost Each $0.25

We Will Not Knowingly Be Undersold
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. All 1/4" diameter extend 1/2" beyond panel mounting bushings. Maximum shipping weight 6 lbs.

<table>
<thead>
<tr>
<th>Model</th>
<th>Plate Plate</th>
<th>Mpf. Plates Thickness Edges</th>
<th>Spacing Rating Length</th>
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<td>$3.24</td>
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<td></td>
</tr>
</tbody>
</table>

* Actual Air Gap between adjacent rotor and stator plates.

Rel Transmitter Dial
Suitable for all major controls of the Xmittes. Can be rotated to any position desired simply by pressing the handle. Has additional scale for individual calibration. Die-cast aluminum, lacquered finish. Shipping weight 3 lbs.
N14170 - Your Cost Each $4.20

Bradley Radiostats
Power Rheostats especially designed for radio transmitting apparatus.
Type E2111: Resistance 4 to 150 ohms. Capacity 15 K. W. Shipping weight 5 lbs.
N14120 - Your Cost Each $4.42
Type E2110: Resistance 4 to 150 ohms. Capacity 75 watts. Shipping weight 2 lbs.
N14129 - Your Cost Each $3.34

Deagan
Type E2106: Radiolens: Variable grid leak. Range 6000 to 30,000 ohms. Shipping weight 2 lbs.
N14137 - Your Cost Each $4.17

Station Chimes
For the amateur phone man and the broadcast station. Adds individual touch to station and station is, as might be expected, impossible to play out of tune. Stimulates bursch or clock tower chimes. Complete with hammer, knob of choice and musical sections. Shipping weight 6 lbs.
N14138 - Your Cost Each $4.50

50 Watt Tube Socket
N14055 - List 52.30 $1.62
Your Cost Each...

Signal Wireless Key
Similar in construction to the ordinary telegraph key except that it has 1/4" coin silver contact points. Polished and lacquered finish. Shipping weight 2 lbs.
N14082 - List 150 $1.68
Your Cost Each...

Ward Leonard Midget Relays
Model 503: For use with mercury-vapor rectifiers. With enclosing cover and adjustable thermal trim element to delay the plate potential. For use where a compact relay is desired for automatic control of circuits. Single pole, single throw, single make. Normally open 110 volts D. C. Shipping wt. 1 lbs.

N14137 - Your Cost Each $8.82
Model 507: Keying Relay; single pole, single throw, double break.
N14131 - Your Cost Each $4.12
Model 603: Keying Relay same as above for 6 volts D. C.
N14134 - Your Cost Each $4.12

Code Practice Set
Comprises 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 7x4x3". Shipping weight 2 lbs.
N14101 - Your Cost Each...

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 unit that is uniform in all of its components. On the other side, the dashes. Adjusted for perfect sending with approximately 8 words to as high as 50 words per minute. Contact points heavy enough to use on most amateur xmitters without relay, although one should be used if current is very high.
Shipping weight 6 lbs.
N14660 - List 137.06 $7.99
Your Cost Each...

Antenna Insulators

Antenna Feeder Spreaders
Bakelite, 3/4" thick. "T" bolt and recessed washer No. 12 or 14 wire. Permanent grip. Ideal for Zeppelin Antenna. Light in weight for floating aerials where weight is a factor.
N16137 - Spaces 6" apart
N14133 - Spacers Your Cost Each 15c

Airplane Type
Complete with brass rod and fittings. Mounts to flat surface by means of screws extending through outer flanges. Diameter 8", length 4". Shipping weight 2 lbs.
N16510 - List $4.00
Your Cost Each... .75c

Pyrex Antenna Insulators
Strong and neat; a size for every amateur purpose.
N21005 - List 354c
Your Cost Each...

Truetest Oscillating Quartz Crystals
Truetest Crystals are carefully ground from the finest quartz obtainable to precision thickness.
N13456 - Oscillating Quartz Crystals, 1 square, rounded corners. Practically finished crystals but uncalibrated.
N13451 - Your Cost $3.95

Crystal Holder
Made of heavy nickel plated brass and bakelite. Has standard prongs. Ground oxide-coated metal bottom contact and spring brass upper contact.
N14093 - Your Cost $2.40

Base Recectacle for Crystal Holder
Made of Bakelite. Insulating qualities insure minimum of loss, resulting in maximum efficiency.
N14099 - Your Cost 47c

Wholesale Radio Service Co., Inc.
106 Sixth Ave., New York
The New Electron Coupled Frequency Meter

Frequency shifts with temperature changes. A 6" diameter dial engraved in 290 divisions with micro-meter indicator allowing dial to be accurately set to one part in 200. Uses a 36 type tube with 130 volts "B" or a 24 with 180 volts "B."
These three lines of Transmitting Tubes, namely Lafayette, RCA, and Duovac and DeForest were chosen as representative of the best in this particular type of tube. Uniformity of quality, the precise seasoning and stabilizing of characteristics, as well as extra high vacuum insuring long life and perfect performance, are guaranteed as you purchase any of these tubes. Every tube received is carefully checked and tested in the most modern apparatus before their delivery or shipment to you. You are assured of FLEXI tubes at all times, as provision of this type is rigidly geared to actual demand, and particularly so as we enjoy the largest service business in the country, which would assure you of receiving fresh and perfect tubes.
Noise Suppressors and Filterers

TruTest Noise Suppressor

This tru test noise suppressor kit consists of one antenna noise suppressor unit; one receiver noise suppressor unit with a special shielded transmission line. As its name implies it is for the elimination of all noises, crashes and other forms of man-made interferences. The kit can be installed in a few minutes. Receiver unit is tapped; use tap giving loudest signal. Shipping weight 10 lbs.

L12607-
Your Cost Complete Kit $2.50

Polysaver Noise Reducing Antenna Products

Lynch Transposition Blocks

The mechanical design of the blocks reduces the electrical losses to an absolute minimum and offsets the ravages of weather and moisture, in order to secure the greatest possible signal strength. Results are most satisfactory on both regular broadcast as well as on short wave wavelength. Shipping weight 1 lb.

R17110—List $2.50

Complete kit of 10.
Your Cost for Kit of 10 $1.47

Lynch "All-Wave" Antenna Coupler

This Antenna Coupler enables securing the best possible results from the various noise-reducing devices, with respect to the wave length on which reception is desired. Shipping weight 1 lb.

R17106—List $1.50—Your Cost Each 88c

Lynch "U.S.N. Standard" Antenna Insulators

These Insulators are especially designed to eliminate the loss of radio frequency energy due to leakage, faulty and defective Insulators. They are an absolute necessity for the D. X. fan, and will improve reception and volume from weak and distant stations. Shipping weight 3 lbs.

R17107—List, Complete Kit of 8, $3.00

Your Cost Per Kit of 8 $1.76

Lynch Polycoupler

Used where multiple receiver installations are made to the same antenna system; each receiver receiving one of the units. This unit replaces the receiver impedance-matching transformer on installations above 4 receivers. Pull instructions and diagram enclosed. Shipping weight 2 lbs.

R17112—List $5.50—Your Cost

Lynch Doublet Coupler

For use with all types of Receivers in which the "All Wave" Coupler cannot be employed because of shielding, lack of space, or any other reason. Shipping weight 2 lbs.

R17113—List $1.00—Your Cost

Cage Aerial Spreader

These Aerial Spreaders are used when the cage aerial is to be used to take advantage of its great pick-up potentialities, and its freedom from directional effect. These Spreaders may also be used in amateur transmitting systems. Shipping weight 5 lbs.

R17108—List, Complete kit of 10, $2.50

Your Cost Kit of 10 $1.47

Lynch "No-Stat" "All Wave" Antenna System

Consists of a pair of impedance matching transformers which allow the use of a shielded transmission line of any length without loss of signal strength; this line preserves the purity of the original signal intercepted by the high antenna, and at the same time eliminates almost all of the cracks, crashes, and other noises commonly classed as "man-made" static. Has short wave tap, for reception down to about 20 meters. Eliminates soldered connections by positive permanent low-loss ones. Receiver impedance matching transformer is used up to 4 sets; the Polycoupler on Installations above that number. Kit consists of: 1 antenna impedance matching transformer; 1 receiver impedance matching transformer; 50 ft. shielded transmission cable. Shipping weight 10 lbs.

R17111—List Complete Kit $5.00 $2.94

Your Cost

We Will Not Knowingly Be Undersold

Filterizer Kits

The new improved filterizer—for keeping mankind static out of the receiver—utilizes the simple principle that most radio noise is carried on building wiring, picked up on the lead in from the aerial, and will not reach the set if it is kept off the building electrical wiring. The Filterizer keeps radio noise out of the receiver by providing an aerial outside the field of radio noise and carrying broadcast signals to the receiver through a filtered lead in system. Loss of signal which has been an objection to the use of old style shielded lead in systems is obviated by the use of the filterizer by the use of two specially designed filterizers, the RF-1 at the aerial and the RF-4 at the set. No tools required to install. Shipping weight 10 lbs.

L12603—Your Cost for This Kit $2.73

Tobe Special Filterizer

A special filterizer to replace the kit described above, when heavy line noises predominate in the interference received with the program on your radio receiver. No matter what make of radio you have—no matter where you live the filterizer will give you relief from radio noises. Easily installed—requires no attention. Shipping weight 10 lbs.

L12604—Your Cost Complete Kit $5.73

Battery Cables

Five ft. cables complete with terminal.

Q16085—7 Conductor. Your Cost Each....40c

Q16086—8 Conductor. Your Cost Each....45c

Q16087—9 Conductor. Your Cost Each....50c

Q16088—10 Conductor. Your Cost Each....55c

Battery Cables by the Foot

A high grade, well insulated cable. Each lead a different color for easy identification.

Stock No. Wires Per Ft. 100 Ft.
Q16089 3 3c $2.50
Q16090 4 3½c 3.00
Q16091 5 4½c 3.50
Q16092 6 5½c 4.00
Q16093 7 6½c 4.55
Q16094 8 7½c 5.15
Q16095 9 8½c 5.80
Q16096 10 9½c 6.35

Kolster 15 Conductor, 50 Ft. Stranded Cable

50 ft. stranded, 15 conductor, shielded cable. Each conductor 7 strand, flexible lead-in braided covered. Tinned copper conductor used for pickup or microphone completions. Complete shielded with flexible braid cover, which turn in cotton braid covered and brought out to lead for grounding. Color coded leads. Ideal for Portable Address and Power Amplifier systems. Shipping weight 10 lbs.

Q16089—Your Cost Special...$1.95

www.americanradiohistory.com
**“DX” Roof-Porch-Attic Aerial**

Length 5 ft. Has 10 ft. of rubber covered lead-in soldered to aerial. Ideal for Super-heterodyne and new “high-gain” sets. Used by many dealers as regular equipment because of low cost, easy installation and high efficiency. Fully assembled, ready to “string up.” Shipping weight 6 lbs.

R17124—Your Cost 75¢

**GIAN T DX ROOF AERIAL READY TO STRING UP**

Super power on distance. Ready to string up. 25 ft. soldered lead-in. Very powerful without loss of selectivity. 10 ft. cage with 150 ft. 7-strand copper wire. Shipping weight 6 lbs.

R17127—Your Cost 1.95

Same as above except with 50 ft. 7-strand wire. Length 6 ft. Shipping weight 4 lbs.

R17121—Your Cost 1.05

**“DX” Aerials for T.R.F. Sets**

Guaranteed greater volume and sharp, 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. enamelled copper wire, 25 ft. rubber covered lead-in, soldered to aerial. Shipping weight 5 lbs.

R17122—Your Cost Each 1.45

**Inside or Outside “DX” Aerial**

A powerful aerial for all midget sets. Made of solid copper metal, fastens by means of hooks and is not visible from inside. May also be mounted on sash, window frame, etc. Most midget sets and all T.R.F. sets will work better with a powerful outside aerial; this installation makes sure good connection. For pipes making 25 ft. Rubber-covered lead-in. Shipping weight 6 lbs.

R17127—Your Cost Each 95¢

**Sta-Put Aerial**

A layer of heavy tin foil deposited on a specially treated adhesive fabric that sticks instantly wherever it is applied. The tin foil is highly conductive to radio waves and provides the antenna system of unusual efficiency. Ideal for use along moldings, baseboards or on an auto top. 65 ft. in the roll. Shipping weight 1/2 lb.

R16164—Your Cost Each 54¢

**“American” All-Directional Antenna**

14" DIA. Recommended for short wave and general radio reception. Positively non-directional. Pure copper drum, 14" in diameter with collar for mounting on wooden pole or pipe. Has clip for attaching lead-in. Shipping weight 6 lbs. Lister 4.00.

R17119 and our Cost Each 95¢

**Our Special Ground Clamp**

A very special value. Makes a nice grip on pipe. Has sharp pointed screw that penetrates surface and makes perfect contact. Has screw for connecting ground wire. Made for zinc or copper pipes. Shipping weight 6 lbs.

R17106—Net Each 4¢

**“DX” Window Sill Aerial**

For use on outside window sill, under couch or in closet. Absolutely non-directional. Especially for use when some of the noise is caused by outside. Has 10 ft. rubber covered lead-in soldered to aerial. Length 81", height 6". Shipping weight 6 lbs.

R17109—Your Cost Each 95¢

**Window “DX” Aerial**

This is a five wire cage Aerial similar to the above, with the exception that it has two 16 inch brackets of heavy iron to support the cage vertically outside of the window. It is especially designed for Super-heterodynes, where it has an aerial of large capacity in a small area. It is common knowledge that a long aerial picks up considerable interference, while a short single wire antenna tunes in the noise level; this DX Aerial tunes sharp and clear. Is weather-proved, and has soldered lead-in. This is a unit of the highest attainable efficiency and is particularly adaptable for use on all of the new high-gain sets. Non-directional. Shipping weight 6 lbs. Length 5 feet. Complete with brackets and wood screws.

R17126—Your Cost 98¢

No. 80—Produces great volume; ideal for all sets. 5 spacer rings; length 30 ft. Complete with brackets and wood screws. Shipping weight 6 lbs.

R17121—Your Cost Each 1.80

No. 60—An exceptionally powerful aerial. 8 spacer rings; length 50 ft. Contains 250 ft. rubber-covered lead-in. Shipping weight 8 lbs.

R17127—Your Cost Each 2.25

**Insulated Staples**

For holding inside lead-in and ground in place. Never be without them. Standard type. Sharp teeth bites through rust or paint on pipe. Ideal for all connecton. For pipes up to ¾".

R15550—Per Box of 100 10¢

**Ground Clamp**

Standard type. Sharp teeth bites through rust or paint on pipe. Ideal for all connection. For pipes up to ¾".

R17105—Your Cost Each 9c

For ½" Pipe

R17104—Your Cost Each 15¢

For 1¼" Pipe

Same as above except for larger size pipe.

R17105—Your Cost Each 5.75

Ideal Ball Aerial

No set is better than its aerial and no other aerial matches the Ideal Ball Aerial in satisfactory results. Less static, greatly increased selectivity and guaranteed protection against corrosion and oxidation are but a few of its features. Absolutely non-directional, the ball is of pure aluminum and highly polished.

R17075—List $5.50

**Aero Aerial Wire**

Many strands of very fine wire of high conductivity, over which is laid a special covering of neutral buff color, in an ideal coil of unusual efficiency. 100 ft. spools. Shipping weight 1 lb.

R16167—Your Cost Each 15¢

**Insulatenna**

Replaces outdoor antennas. Not connected to the light sockets. Handsomely finished baked case. Baked on a number of feet of new type filtered aerial wire with condenser which gives capacity of 176 ft. antenna. Mounts anywhere. Shipping weight 1 lb.

R16166—List $2.50 Your Cost 1.35

**Ribbon Aerial**

Consists of a gold colored metallic braid woven into a strip of fabric about ¾" wide. A neat and efficient aerial for stringing above moulding or baseboard. Held in place by thumb tacks. 65 ft. to roll. Shipping weight 8 oz.

R16163—Your Cost Each 29¢

**Ground Rods**

New design with clip which makes positive and permanent connection. Heavy steel drawn steel, cadmium plated. Shipping weight 2 lbs.

R17187—4 Ft. Length Each. Per Dozen 25¢

**Pipe Strips**

A strip of pure copper with holes at short intervals so that clamp is adjustable to fit any size pipe up to ¾" in diameter. Has spring clip for attaching ground wire. Shipping weight 6 lbs.

R17188—Your Cost Each 40¢

**Wholesale Radio Service Co., Inc. - 100 Sixth Ave., New York**

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Aerial Kits & Accessories

Tubular Steel Masts
Made of welded steel tubing with black baked-on enamel finish. Guy wire dia. at top

R17139 — Single Section, 8 ft. Shipping weight 2¾ lbs.
Your Cost Each 49c
R17142 — Double Section, 6 ft. 7 in. Shipping weight 6¼ lbs.
Your Cost Each .98

New Premax Mast
A new, simple one-piece mast that will fill a big demand. Easy to use, pack-
durable and low in price. ½" solid steel cut with a Parker-
ised rust-proof finish. Adjustable base fits flat or sloping roofs. ¾½ ft. high.
Your Cost Each 14c

Belden Arrester
A thoroughly reliable protector designed for either outdoor or indoor use. Listed as standard by the Na-
Each 3½ lbs. Your $1.47
Your Cost Each 2½

Wire Lightning Arrester
The lightning arrester that fulfills its promise. Patented insula-
4 in. Shipping weight 6¼ lbs. Your $1.47
Your Cost Each 2½

Stand-Off Insulators
Made of porcelain; extra heavy, 9 great strain. Length
4 ins. R16800 — Net Each 9c
Each. Lots of 10, 80c

Wall Insulator
For supporting wir-
4 lbs. R16732 — 50 for $3.75
Your Cost Each 8c

Screw-in Stand-Off
Strong porcelain insulator with wood screw base. 4" ins. high. Shipping weight 8 oz.
R16801 — Your Cost Each 10c
Each. 50 for $5.00

Baby Insulator
For suspending wires inside the house. Soft rubber
Insulator. Shipping weight 8 oz.
R16888 — Per Box of 10

Brown Porcelain
Strain insula-
5½ in. long. R16602 — Your Cost Each 1½ per 100

Wirt Insulator
Galvanized extension about 6 in. long. Porc-
Your Cost Each 21c

Glass Insulators
Special tempered glass, unaffected by heat or other climatic conditions. Best quality. 3½ in. long.
R15850 — Your Cost Each 3½
R15851 — Your Cost Each 3½

Porcelain Insulators
Porcelain insulators of the better quality. Heavy and strong. 2½ in. long. R16883
Your Cost Each 4c

Lead-in Strips
Copper Core with waterproof laced wiring. Length 12". New screw type terminals.
R17140 — Your Cost Each 10c
Each for $.50

Glass Core with waterproof laced wiring. Length 12". R17101
Your Cost Each 10c
Each for $.20

Belden Lead-in Strips
Similar to above but covered with 1½" Belden Copper Aerial, 35 ft. All-Rubber Lead-in Wire, 1 Belden Arrester, 1½ Belden Ground Clamp, 2 Belden Glass Insulators, 2 Nail Knobs. R16480 — Your Cost Each 1½.

Lafayette DeLuxe Aerial Kit
No finer aerial kit on the market. This is the aerial without shielded lead-in wire, that is very effective in reducing inter-
Ground Wire, 1 Lightning Arrester, 2 Porcelain Insulators, 1 Ground Clamp, 1 Lead-in Strip, 2 Insulated Screw-eyes, 2 Nail Knobs, 5 Galvanized Staples. Q16475 — List $2.55
Your Cost $1.45

Lafayette Aerial Kit
Everything necessary for an efficient aerial installation. All items are of the very best

Belden Aerial Kit, R. M. A. Standard
Nationally advertised; nationally known for quality. The most popular number in a very popular line of aerial kits. Shipping weight 4 lbs. Contains: 100 ft. 7x22 Beldenename, 20 ft. Belden Flexible Colorumber, 50 ft. 7x22 All-Rubber Lead-in Wire, 1 Belden Arrester, 1½ Belden Ground Clamp, 3 Belden Glass Insulators, 2 Insulation, 2 Screw Eyes, 2 Wood Screws. R16479 — List $3.00
Your Cost $1.75

Belden Aerial Kit R. M. A. Double
For attaching lead-in or ground wires to posts or buildings. Wire passes through metal base. R16953
Your Cost 6c

Screw-in Knobs
For attaching leads to standard 6 prong terminal. With screw 8 ins.
R16972 — Net Each 3c
Each for 10c

Takes up slack in aerial. Spring only.
R16980 — Your Cost Each 7c
### Bare Copper Wire

- **7/27 STRANDED**
  - Shrink weight: 100 ft., 3/4 lb.
  - Single Lot: Lots of 25 Each 50 Each 15 12c
  - 7/26 STRANDED
    - Q16112: 100 ft. coils.
      - Single Lot: Lots of 25 Each 50 Each 15 12c
    - 7/24 STRANDED
      - Q16114: 100 ft. coils.
        - Single Lot: Lots of 25 Each 50 Each 15 14c

### Enamelled Copper Wire

- **7/24 STRANDED**
  - Q16122: 100 ft. coils.
    - Single Lot: Lots of 10 Each 25 Each 26c 28c
  - 7/22 STRANDED
    - Q16117: 100 ft. coils.
      - Single Lot: Lots of 10 Each 25 Each 26c 28c

### Belden Shielded Wire

- **Belden Indoor Aerial and Litz Wire**
  - A special type covered wire ideal for indoor aerials and for wiring radio loops, and is easily concealed on a picture moulding or window frame. Shipping weight per spool 3 lbs.

### Belden All-Rubber Lead-in Wire

- **20/38 Wire**
  - Q16222: 100 ft. per spool.
    - Your Cost: 4c
  - No. 16 Solid
    - Q16122: 100 ft. per spool.
      - Your Cost: 4.40

### Belden Aerial Wire

- **Belden Aerial Wire**
  - The very best grade enamelled wire; will not chip or crack. Guaranteed full measure and size.

### Solid Shielded Wire

- **2-Conductor, No. 10 solid enamelled copper wire**
  - Heavy waxed cotton braid, copper braid shield, over-all cotton braid shielded for permanent public address systems and for hang-up work. Type Y2505.
  - Q16250: 1 ft. 100 Ft.
    - Your Cost: 6c

### Battery Charging Cable

- **For battery charging stations and for any requirement that needs an exceptionally flexible heavy rubber covered single conductor stranded cable.**
  - Q1628: 100 ft. per coil.
    - Your Cost: 41c

### Armored Cable

- **Armored Cable**
  - For auto, radio, outdoor, P. A. systems and oil burner installations.
  - The armor when grounded acts as a shield which makes this cable suitable for microphone installations. It is impervious to acid and acid fumes. Weatherproof. Shipping weight 100 ft. 6 lbs.

### Shielded Lead-in Wire

- Unexcelled for lead-in and ground connections. 18 strands No. 29 (equal to No. 16) with layer of pure rubber cover, shielded with a layer of tin-coated rubber braid. Insulations, skins easily and wire is tuned for easy soldering.

### 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, is very proofed braid. Strip easily; solders easily. Standard code wire.

### 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 with fine tin coated wire, the core being used as a shield. Easy strip rubber insulation. In service, the shielding grounded.

---

### 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 underground wire in order to quote a low price. Our prices are the very lowest, consistent with standard size, length and quality.

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**For Microphone Cable**

- See page 75

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**Auto Ignition Wire**

- This standard 7 mm. black lacquered braided wire very popular for use in automatic ignition and high tension work. Can also be used in Neon signs. This wire is the same as used in the ignition systems of the most expensive automobiles. Shipping weight 4 lbs.

- **Q1625: 100 ft. spool.**
  - Your Cost: 5.30

- **Q1628: 100 ft. spool.**
  - Your Cost: 2.25

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**Wholesale Radio, Co. Inc. 700 Sixth Ave, New York**

**FOR MICROPHONE CABLE**

- See page 75
**Magnet Wire**

This wire is universally used for coil winding of every description for radio and technical experimental operations. We have found that for this type of work a wire made of the purest copper and best grade insulating material is highly important. Our Magnet Wire answers the strictest specifications as to quality and exactness of gauge. This wire is neatly put up in single lengths on spools. Shipping weight 1 lb. each.

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**Double Cotton Wire**

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**Power Pack hookup Wire**

This is a heavy duty rubber covered stranded hookup wire intended for use where heavy currents will be carried. Especially desirable for use in 14, 16, 18, 20 and 22 gauge filament circuits where the amperage is high. The 14 gauge wire is rated at 160 amps at 110 volts.

**Twisted Pair For Filaments**

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**Belden Hookup Wire**

No. 8 Stranded Twin wire, insulated with Best grade manila rubber. 25 ft. coils available in Green, Blue, Red, Brown or Yellow. Shipping weight 8 oz.

**Belden Shielded Hookup Wire**

Same wire as above but with closely woven cotton covered shielding for use with screen grid tubes. Shipping weight 3 lbs.

**Stranded Push Back Wire**

The same high quality as the above. Size 18, 19, 20 and 22 stranded copper, insulated with solid, lacquered cotton, 150 ft. coils. Shipping weight 3 lbs.

**Solids Push Back Wire**

This 19 gauge solid wire has the popular black push back insulation. No stripping necessary. Push back the insulation and the stranded wire is ready for soldering. Shipping weight 2 lbs.

**Cable Home Wire**


**Push Back Wire**

For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

**Solid Push Back Wire**

For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

**Solid Copper Push Back Wire**

For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

**Solid Copper Push Back Wire**

For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

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For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.

**Solid Copper Push Back Wire**

For those who prefer stranded to solid, we offer this old standby in black 18 gauge tinned copper hookup wire. Shipping weight for 100 ft. 2 lbs.
## New Type Parallel Lamp Cord

The very latest development in lamp cords. Due to the use of a special insulation, this wire is abrasion proof and water proof. No electrical inspection has ever been made available. It is similar in size and appearance to the regular cotton covered drop cord. The rubber-covered drops are contained in a jacket of extremely tough live rubber. The rubber is put on by a new electrolytic process which makes for a perfect seamless covering. This wire is approved by the underwriters and can be had in orchid, green, white and brown. Specify color when ordering. Shipping weight 3 lbs. to 100 ft.

**Y2090** - 18 gauge. **Per Ft.** 100 ft. $0.50

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per 100 ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20945</td>
<td>18 - 2-wire</td>
<td>3/2c $2.25</td>
<td></td>
</tr>
<tr>
<td>Y20946</td>
<td>22 - 2-wire</td>
<td>5c $4.50</td>
<td></td>
</tr>
<tr>
<td>Y20947</td>
<td>14 - 2-wire</td>
<td>6c $5.50</td>
<td></td>
</tr>
<tr>
<td>Y20948</td>
<td>18 - 2-wire</td>
<td>5c $4.50</td>
<td></td>
</tr>
</tbody>
</table>

### Approved Reinforced Cord

 Used indoors for portable machines and drop cords, insulated with felt and covered with smooth cotton braid, size No. 18. (Black only) Shipping weight 6 lbs. to 100 ft.

**Y20893** - 18 gauge. **Heavy Reinforced** 1/32 R.C. 200 ft. $2.60

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per 100 ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20935</td>
<td>18 - 2-wire</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>Y20936</td>
<td>1/8 - 2-wire</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>Y20937</td>
<td>1/16 - 2-wire</td>
<td>$0.50</td>
<td></td>
</tr>
</tbody>
</table>

**Y20938** - 18 gauge. **Light Reinforced** 1/32 R.C. 200 ft. $2.00

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Per 100 ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20939</td>
<td>18 - 2-wire</td>
<td>$0.50</td>
<td></td>
</tr>
<tr>
<td>Y20940</td>
<td>1/8 - 2-wire</td>
<td>$0.50</td>
<td></td>
</tr>
</tbody>
</table>

### Approved Heavy Duty Cord

The thick belt of 60% par rubber that covers the conductor is made of smooth oil-resisting, abrasion-proof, high quality rubber. This flexible waterproof, oil-resisting, non-kinking cord is just the thing for hard service. Especially suitable for outdoor work, garages, portable devices; in fact, on any job where ability to stand abuse or primary factor. Shipping weight 7 lbs. to 100 ft.

<table>
<thead>
<tr>
<th>Stock</th>
<th>Per 100 ft.</th>
<th>Cost 1c</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20945</td>
<td>18 - 2-wire</td>
<td>$2.25</td>
<td>$5.95</td>
</tr>
<tr>
<td>Y20946</td>
<td>22 - 2-wire</td>
<td>5c</td>
<td>4.50</td>
</tr>
<tr>
<td>Y20947</td>
<td>14 - 2-wire</td>
<td>6c</td>
<td>5.50</td>
</tr>
<tr>
<td>Y20948</td>
<td>18 - 2-wire</td>
<td>5c</td>
<td>4.50</td>
</tr>
</tbody>
</table>

## Approved Fixture and Appliance Wire

This is the highest type of wire available for this purpose. It is especially desirable for the better grade and more permanent installations. This wire meets the Board of Fire Underwriters approval, and therefore recognized by all electrical inspection bureaus. The Fire Insurance Companies particularly require approved cord for all radio and electrical installations. The slight additional cost of this wire may mean a saving to you in case of fire, or inspection by your electrical board, as it might mean that the matter of a settlement would be held up, due to the violation, in not using Approved Lamp Cord.

### Parallel Cotton Cord Approved

A popular number with the service man. For hooking up radio, extensions, etc., available in green, white, brown, maroon, yellow, black. Specify color when ordering. Shipping weight 3 lbs. to 100 ft.

**Conductor 18 Gauge 1/8 R.C.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20935</td>
<td>100 ft.</td>
<td>$1.95</td>
</tr>
<tr>
<td>Y20936</td>
<td>200 ft.</td>
<td>$2.95</td>
</tr>
</tbody>
</table>

**Conductor 18 Gauge 1/32 R.C.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20937</td>
<td>100 ft.</td>
<td>$2.25</td>
</tr>
<tr>
<td>Y20938</td>
<td>200 ft.</td>
<td>$3.75</td>
</tr>
</tbody>
</table>

### Single Fixture Wire Approved

Silk or cotton. Very handy for hooking receiver up to aerial and ground as well as for general fixture use in extensions, etc. Silks come in white, old gold, maroon and brown. Cotton available in white and brown only. Specify color when ordering.

**Gauge 18 1/64**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20935</td>
<td>100 ft.</td>
<td>$1.95</td>
</tr>
<tr>
<td>Y20936</td>
<td>200 ft.</td>
<td>$2.95</td>
</tr>
</tbody>
</table>

**Gauge 18 1/32**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20937</td>
<td>100 ft.</td>
<td>$2.25</td>
</tr>
<tr>
<td>Y20938</td>
<td>200 ft.</td>
<td>$3.75</td>
</tr>
</tbody>
</table>

### 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 and best cord for portable lamps, extension lights, etc., available in the following popular colors: White, brown, maroon, gold, black, green. Specify color when ordering. Shipping weight 3 lbs. to 100 ft.

**Gauge 18 1/64**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20937</td>
<td>100 ft.</td>
<td>$2.95</td>
</tr>
<tr>
<td>Y20938</td>
<td>200 ft.</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20939</td>
<td>100 ft.</td>
<td>$2.95</td>
</tr>
<tr>
<td>Y20940</td>
<td>200 ft.</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

### Code Wire

National Electric Code Standard 4" rubber, 14 gauge. This heavy-duty black twisted pair cotton-covered wire is the finest wire obtainable for jobs that call for a wire of large current carrying capacity and ability to stand plenty of abuse. Shipping weight 5 lbs. per 100 ft.

**No. 14 1/64**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20939</td>
<td>100 ft.</td>
<td>$2.15</td>
</tr>
</tbody>
</table>

**Y20940** - 1/2c $2.50

### Approved Twisted Pair Cotton or Silk Covered

Approved Twisted Pair Cotton or Silk Covered

Preferably by many for the same uses as a parallel cord. An old standby for wire users. This type of wire does not knot. Available in maroon, brushed brass, old gold, blue, white, brown. Shipping weight 2 lbs. to 100 ft. Specify cotton or silk also color when ordering.

**Twisted No. 18 1/32**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20939</td>
<td>250 ft.</td>
<td>$1.50</td>
</tr>
<tr>
<td>Y20940</td>
<td>500 ft.</td>
<td>$2.25</td>
</tr>
</tbody>
</table>

**Twisted No. 16 1/32**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20937</td>
<td>250 ft.</td>
<td>$3.95</td>
</tr>
</tbody>
</table>

### Cotton Lamp Cord

Size No. 18 1/32, approved, used for portable wiring and drop lights. Tightly woven, cotton covered over live rubber insulation. Shipping weight 4 lbs. to 100 ft.

**Green and Yellow**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20936</td>
<td>250 ft.</td>
<td>$3.75</td>
</tr>
</tbody>
</table>

**Black**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20937</td>
<td>250 ft.</td>
<td>$3.75</td>
</tr>
</tbody>
</table>

**Black**

<table>
<thead>
<tr>
<th>No.</th>
<th>Per 100 Ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20938</td>
<td>250 ft.</td>
<td>$3.75</td>
</tr>
</tbody>
</table>

### Approved Asbestos Covered Cord

Stranded copper wire, cotton wrapped, protected by a braid of long asbestos fibres with a closely woven rayon braid over all. A heavy duty wire suitable for all types of applications, such as toasters, irons, etc. Shipping weight 3 lbs. to 100 ft.

<table>
<thead>
<tr>
<th>Stock</th>
<th>Per 200 ft.</th>
<th>Cost 1c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y20936</td>
<td>250 ft.</td>
<td>$1.75</td>
</tr>
</tbody>
</table>

### Special Wire Offer

- **Cotton**
  - **Y20875** - 200 ft. 18 1/64 Single conductor for Aerial, Ground and General Use
  - **Y20876** - 250 ft. 22 1/64 Single conductor. This cord has been approved for General Heavy Filament Work.
  - **Y20887** - 100 ft. 14 1/32 Single conductor for General Heavy Filament Work.
  - **Y20897** - 100 ft. 18 1/64 Twisted Pair Cooper Green and Yellow for Drop Cords, etc.
  - **Y20897** - 50 ft. No. 14 Twisted Pair for Power Amplifiers, etc.

- **Silk**
  - **Y20890** - 100 ft. 18 1/32 Parallel All Colors for Extensions, etc.
  - **Y20891** - 100 ft. 18 1/32 Parallel, All Colors for Filament Leads, etc.
  - **Y20892** - 100 ft. 18 1/32 Twisted Pair for Filament Leads and Portable Work.

- **Special Silk Parallel Wire**
  - An unusual value on the two sizes of wire widely used for radio extensions, convenience outlets, lamps and other uses too numerous to mention. Available in White, Brown, Old Gold, Green, and Maroon. Shipping weight 1 lb. per 100 ft. Specify color when ordering.

- **Telephone Wire**
  - **Y20897** - Ship, 2 lbs. 100 ft. 
  - **Y20898** - Ship, 2 lbs. 100 ft.

- **Special Silk Parallel Wire**
  - **Y20896** - Ship, 2 lbs. 100 ft.

- **Special Wire**
  - **Y20895** - 1/2c $2.50
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 14%x6x5%. Shipping weight 6 lbs.
P14870-Your Cost Each 75c

The "Bulkeley"
A new, well made combination tool chest. Heavy gauge cold rolled steel, finished in olive green baked enamel. Panel top for rigidity. Has lock and key. Round bottom tray with movable partitions. Size 13%4x4x7/4". Shipping weight 4 lbs.
P14871-Your Cost Each 59c

Fitsall Flatiron Element
Iron replacements. Will fit over 90% of the irons on the market, including G. E., Hot Point, International, etc. Shipping weight 1 lb.
M13270-Your Cost Each...22c
Carton of 10...$2.09

Heater Plugs
M13290-Each 19c
M13290- Carton of 10...$1.85

Armored Plug
Cold moulded Heater Plug, armored with heavy nickel plated steel sleeve.
M13291- Your Cost Each 10c
M13291- Carton of 10...$0.90

Bakelite Heater Plug
Large plug, black Bakelite. An unusually good plug for the money.
M13329- Each 10c
M13329- Carton of 10...78c

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 away under heat while this one improves! NO SCREWS are used to hold plug together—two clips, easily removable with the fingers. Holds to halves in place and also permit them to separate slightly when appliance plugs are inserted. This allows a circulation of air through plug as well as removing all tension on the plug itself. Shipping weight 8 oz.
M13285-Your Cost Each Per Dozen 28c

Non-Twist Plug
No more twisted cords with this new plug. Approved by the board of fire underwriters. Shipping weight 8 oz.
M13277-Your Cost Each Per Dozen 20c

Tri-Stop Plug
Bakelite extension sets with handles. Made of Bakelite, very popular.
M13284-9 ft. Each 29c
M13286-15 ft. Each 39c

Midget Push Button
Bakelite. Only 11/2 inches wide.
M13297-Your Cost Each Carton of 20...12c

Square Push Button
Bakelite. Size 1 1/4" square.
M13298- Your Cost Each Carton of 20...12c

Bakelite Baseboard Outlet
This handy device enables you to quickly install an outlet in any part of the house. Made of brown bakelite with center mounting wood screw. Shipping weight 8 oz.
M13312-Your Cost Each 9c
M13312-20 For...$1.65

Single Name Plate
Bakelite. Size 11/2x1 1/2".
M13300-Your Cost Each Carton of 12...15c

Perfect Merchandise - Prompt Shipment - Personal Service
### Set Builders Accessories

#### Hard Rubber and Bakelite Panels

Made especially for Radio Panels. Color, black. Thickness of sheet guaranteed. If size required is not listed we can cut Special size panels will not be shipped C. O. D.

<table>
<thead>
<tr>
<th>Panel Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 x 12</td>
<td>19646</td>
<td>$1.00</td>
</tr>
<tr>
<td>14 x 14</td>
<td>19647</td>
<td>$1.00</td>
</tr>
<tr>
<td>14 x 16</td>
<td>19648</td>
<td>$1.00</td>
</tr>
<tr>
<td>14 x 18</td>
<td>19649</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

#### Sheet Aluminum

Best grade. Thin enough for radio work. Non-magnetic.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 x 16</td>
<td>W19258</td>
<td>$0.84</td>
</tr>
<tr>
<td>16 x 18</td>
<td>W19259</td>
<td>$0.88</td>
</tr>
<tr>
<td>16 x 20</td>
<td>W19260</td>
<td>$0.92</td>
</tr>
<tr>
<td>18 x 16</td>
<td>W19261</td>
<td>$0.85</td>
</tr>
<tr>
<td>18 x 18</td>
<td>W19262</td>
<td>$0.90</td>
</tr>
<tr>
<td>18 x 20</td>
<td>W19263</td>
<td>$0.93</td>
</tr>
<tr>
<td>20 x 16</td>
<td>W19264</td>
<td>$0.89</td>
</tr>
<tr>
<td>20 x 18</td>
<td>W19265</td>
<td>$0.94</td>
</tr>
<tr>
<td>20 x 20</td>
<td>W19266</td>
<td>$0.98</td>
</tr>
</tbody>
</table>

#### Aluminum Shielding Cans

Shipped knocked down. Corner posts drilled for screws. Only 1/8" stock.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 1 x 4</td>
<td>W19660</td>
<td>$0.15</td>
</tr>
<tr>
<td>1 x 1 x 6</td>
<td>W19661</td>
<td>$0.25</td>
</tr>
<tr>
<td>1 x 1 x 8</td>
<td>W19662</td>
<td>$0.35</td>
</tr>
<tr>
<td>1 x 1 x 10</td>
<td>W19663</td>
<td>$0.45</td>
</tr>
<tr>
<td>1 x 1 x 12</td>
<td>W19664</td>
<td>$0.55</td>
</tr>
</tbody>
</table>

#### Bakelite Tubing

Best quality, Wall 1/8" thick.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; x 6'</td>
<td>M11334</td>
<td>$1.54</td>
</tr>
<tr>
<td>1/4&quot; x 12'</td>
<td>M11334</td>
<td>$1.54</td>
</tr>
</tbody>
</table>

#### Panel Engraving

We can engrave Rubber or Bakelite Panels with any special engraving desired. Furnish us panel layout for quotation.

#### Spaghetti

Bakelite, the highest quality. High grade. Made from thinly extruded, extruded properties, red, yellow, green, or black. Specify color wanted. 3/16" thick.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; x 12'</td>
<td>W19560</td>
<td>$0.51</td>
</tr>
<tr>
<td>1/4&quot; x 24'</td>
<td>W19561</td>
<td>$1.02</td>
</tr>
<tr>
<td>1/4&quot; x 48'</td>
<td>W19562</td>
<td>$2.04</td>
</tr>
<tr>
<td>1/4&quot; x 96'</td>
<td>W19563</td>
<td>$4.08</td>
</tr>
</tbody>
</table>

#### Sun Wire

Round, Turned Cored, 27 gauge, 24 gauge, 30 gauge. For use in connecting terminals. Furnished complete with two screws.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 ga. x 25'</td>
<td>W19626</td>
<td>$0.76</td>
</tr>
<tr>
<td>18 ga. x 25'</td>
<td>W19627</td>
<td>$0.98</td>
</tr>
</tbody>
</table>

#### Terminal Clips

Forming shield clips. Also good for transformers or large capacitors or other high voltage condensers. Made from bakelite, tv, cost, same as purchased in plastic ferrule, etc.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W19630</td>
<td>$1.00</td>
</tr>
<tr>
<td>25 lb. roll</td>
<td>W19631</td>
<td>$1.50</td>
</tr>
<tr>
<td>50 lb. roll</td>
<td>W19632</td>
<td>$2.00</td>
</tr>
</tbody>
</table>

#### Mounting Lugs

For connecting shield can to chassis. Made of cadmium plated steel. 3/16" thick. Flat end with hole to fit 6-32 screw. Threaded lugs.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W18458</td>
<td>$0.75</td>
</tr>
</tbody>
</table>

#### Friction Tape

The highest quality tape with plenty of live friction rubber. Easilly wound around high power transformers, or any radio set. Keeps the machine running smoothly.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W18459</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

#### Rubber Tape

Live roller. Use to properly insulate drive belts. Wound in a roll. A No. 602 rubber, which is held firmly in place with 2 screws. Individually packed.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W18460</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

#### Kester Solder

15¢ per can

Approved by all leading radio engi- neers. More loss points. Each tin contains a solder, will not congeal.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W18461</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

### Morris Universal Coil Winder

This handy machine will wind any coil, with or without a core, on any size form. Shapes, turns, and diameters, from any gauge wire in general use for coils. An ideal machine for experimenters and amateurs for the purpose of fabricating coils to special specifications. Does a neat, workman-like job equal in appearance to factory made coils. Includes all accessories necessary for winding the various types. Has recorder and indicator that controls turn. Does a neat balance finish. Shipping weight 6 lb.

<table>
<thead>
<tr>
<th>Size</th>
<th>Stock No.</th>
<th>Your Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb. roll</td>
<td>W18462</td>
<td>$1.00</td>
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</table>
Nickel Plated Brass Nuts, Screws and Washers

Wood Screws

Round Head

Stock No. Size Length Dia. Gr. Per 100
P14780 4 1/4" 5c 40c
P14781 5 1/4" 5c 40c
P14782 6 1/4" 5c 60c
P14783 8 1/4" 5c 60c

Oval Head

P14790 4 5c 40c
P14791 5 5c 60c
P14792 6 5c 60c
P14793 8 5c 60c

Flat Head

P14796 4 5c 40c
P14797 5 5c 60c
P14798 6 5c 60c
P14799 8 5c 60c

Machine Screws

6/32 Round Head

Stock No. Length Dia. Gr. Per 100
P14750 1/8" 6c 40c
P14751 3/32" 6c 40c
P14752 1/32" 5c 50c
P14753 7/64" 6c 60c
P14754 5/64" 70c

6/32 Flat Head Machine Screws

P14760 1/8" 6c 40c
P14761 3/32" 6c 40c
P14762 1/32" 5c 50c
P14763 7/64" 6c 60c
P14764 5/64" 70c

6/32 Oval Head Machine Screws

P14770 1/8" 6c 40c
P14771 3/32" 6c 40c
P14772 1/32" 5c 50c
P14773 7/64" 6c 60c
P14774 5/64" 70c

Hex Nuts, Knurled Nuts and Washers

P14804—6/32x1 1/4" Hex Nuts. Envelope of 20; Net 5c Per 100
P14805—8/32x3/4" Hex Nuts. Envelope of 20; Net 5c Per 100
P14806—6/32x1 1/4" Hex Nuts. Envelope of 15; Net 10c Per 100
P14807—8/32x3/4" Hex Nuts. Envelope of 15; Net 20c Per 100
P14808—6/32x1 1/4" Knurled, Right hand. Envelope of 6; Net 15c Per 100
P14809—No. 6 Washers. Envelope of 25; Net 15c Per 100
P14810—No. 8 Washers. Envelope of 25; Net 15c Per 100
P14811—No. 10 Washers. Envelope of 25; Net 15c Per 100

Machine Screw Nut and Washer Assortments

P14800—6/32 Screw Nut Assortment. Your Cost Per Box 10c
Your Cost Per Box 10c

Special Washer Assortment

Contains 200 pieces of assorted flat, lock, washer, metal, brass, stainless steel, sylphon and Yorkshire washers. The most handy washers for the service man and household use. The best grade of material used. Shipping weight 1 lb.
P14846—Special Washer Assortment. Your Cost Per Box 25c

Radio Hardware

Shaft Couplings and Extenders

For mounting two or more components, to facilitate interchange or switching. Exaggerated drawings for lengthening shafts of same size. Each

P15000—1/4" shaft coupling 15c
P15001—1/8" shaft coupling 15c
P15002—1/4" shaft extender 15c
P15003—1/8" shaft extender 15c

Angle Brackets

For use in unusual applications to facilitate interchange or switching. Each

P14827—12" length 12c
P14828—15" length 13c
P14829—20" length 15c

Screen-Grid Clip

Each

P14924—Each 5c

Rubber Grommet Type

P6476—Insulating Washers

Silicone Rubber Type

P15010—Flat Washer, Bakelite Stock No. I.D. O.D. Thick
P15011—Tin Plated, Style A
P15012—Elastic, Style B

Your Cost Each

Tinned Brass Lugs

All have No. 8 hole which will fit either No. 6 or 8 screws. Shipping weight 6 oz.
P14818—Style No. 1 Per Box 2c
P14819—Style No. 2 Per Box 3c
P14820—Style No. 3 Per Box 3c
P14821—Style No. 4 Per Box 3c

Radio and Auto Fuses

Each assortment contains 85 steel 6/32 screws assorted as follows:

10—1/4" length, flat
10—3/4" length, flat
15—1/8" length, oval
15—3/8" length, oval
Round, Flat or Oval Heads

P14848—Flat Head
P14849—Round Head

Your Cost 25c

Wood Screw Assortment

Contains 85 nickel plated round, oval and flat head wood screws, assorted sizes. Shipping weight 1 lb.
P14843—Your Cost Each 25c

Complete Hardware Shortwave and Radio Receivers

This assortment is composed of various nuts, washers, lock nuts, brass, brass washers, fibre washers, screws, nuts, bolts, nuts, screws, terminal lugs, screen grid caps, fibre pieces and bushings. Approximately 225 assorted to the box. Shipping weight 1 lb.
P14893—Your Cost Each 95c

Handy Hardware Assortment

45c
2 lb. Kit

A big assortment for the service man. Over 1200 assorted nuts, washers, eyelets, lugs, brackets, etc. (3 1/4 pounds). Something of everything in the way of the small parts used in the radio receiver. An indispensable and economical assortment that every service man can afford to be without. Shipping weight 3 lbs.
P14834—Your Cost Each 70c

Fibre Washers

A handy assortment for the service kit. Contains various sizes of both plain and tinned fibre washers and nuts. Available in 1 1/2 oz. boxes. Shipping weight 8 oz.
P14832—Your Cost Per Box 25c

Angle Bracket Assortment

Contains 25 of the most popular angle brackets, used on the radio age radio set. Solid brass neatly nickel plated. A very handy assortment that no service man should be without. Shipping weight 1 lb.
P14838—Your Cost Each 25c

Replacement Part Hardware for Dealers and Service Men

wrought and Screw Assortments

145
17 Piece POLISHING HEAD OUTFIT

Set consists of a polishing head with 3 jaw chuck holding drills up to 3/8 in. in circular saw, saw table complete with guide size 8 x 8 in., 3 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. A small 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. Shpg. Wt., 4 lbs.

$30
Your Cost Each
P14726—List, $30.00. Your Cost Complete

G. M. CO. ELECTRIC HAND DRILL

A sturdy 1/4-in. hand drill with GENERAL ELECTRIC A-C-D. MOTOR and BALE THROUGH BEARING in spindle. Special anti-friction bearing armature shift. Genuine Almond 3 jaw geared chuck has toggle switch on top of pistol grip, easily operated with thumb. Complete with 9 feet of heavy rubber-covered cable and plug. This tool will stand the "gaff" of heavy use and should not be confused with cheap, light hand drills. Shipping weight, 10 lbs.

$14 45
Your Cost Each
P13418—List, $14.50. Your Cost Each

TWO SPEED BREAST DRILL

A sturdy tool made to stand the game 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 shap | up to 3/8 in. Gear ratio 1:13 and 1:17. Length overall 17 1/2 in.

$21 0
Your Cost Each
P14723—List, $21.00. Your Cost Each

AUTOMATIC FEED BENCH DRILLS

Small Size 3/16 Chuck

The finest tool for the money we have ever offered. Feed is entirely automatic, self-adjusting to the cutting speed by means of 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 in chuck. Overall height 9 1/2 in. Length, 17 in. Finely finished and efficient tool we recommend to all radio workmen.

$1 55
Your Cost Each
P14913—List, $1.55. Your Cost Each

Larger Size 3/8 Chuck

This heavy-duty Bench Drill is identical with the smaller Drill except that it has an overall height of 13 1/2 in. and a 3/8 in. chuck. Recommended for use in shops where heavier materials must be worked. Clutch engages wheel at top of motor to rotate when pressure on drill becomes too great. This compensating feature not only insures maximum drilling speed but also protects drill. A screw permits adjustment for working on various kinds of stock. Shipping weight, 10 lbs.

$3 25
Your Cost Each
P14912—List, $3.25. Your Cost Each

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 accessories. 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 iron table with four mounting holes. Complete with high grade grinding wheel, buffer and two pulleys. Equipped with durable cord and attachment plug. Shpg. Wt., 6 lbs.

$6 95 NET
Your Cost Each
P144782—List, $6.95. Your Cost Each

Tinner's Snips

Drop-forged. 7 in. long. 2-in. blade. Polished blade, red enamelled handle. Shpg. Wt., 1 lb.

$1 90
Your Cost
P14920—List, $1.90. Your Cost
Vises—Soldering Irons—Hack Saws—Torches

Bench Vise
A very serviceable vise for the Radio man. Good steel, accurately machined. Finished in red enamel with highly polished jaws and handle. Accurately cut slotted jaw, equipped with vise type clamping handle. Will clamp on board or bench up to 2" thick. Has swivel jaw. Made in two sizes.
P14727—Jaws, 2½" wide. Shipping weight 7 lbs. List $2.00—Your Cost $1.39
P14728—Jaws, 3½" wide. Shipping weight 10 lbs. List $3.00—Your Cost $1.25

Swivel Vise
Unequaled for the Radio, Home, Age, or Farm. Different swivel positions are easily obtained by the action of spring plunger. Gray iron, fine grain. Jaws are accurately machined, polished and lacquered. Seven parts nickel plated. Jaws open 2½", and have double steel guide rods. Fitted with adjustable clamp. Handle is finished in Black Japan, and body with Red Baking Enamel. Weight 8 lbs. Shipping weight 10 lbs.
P14705—List $2.75 Your Cost $1.25

Goodell-Pratt Radio Tool Set
A very high quality set of tools for the radio man. Every tool finely finished and thoroughly dependable. Set consists of: A ratcheted tool holder that may be adjusted for either right or left hand motion by a quarter turn of knurled collar, 3 screwdriver blades sizes 8½ x 3¼", 15 x 2¼" and 2 x ½"; one 6" shank for holding sockets, three hex sockets—5/, 13/, ¼"; one wire bender for bus wire, one reamer, and one double end hex wrench. Shipping weight 3½ lbs.
P14955—Your Cost complete $2.95

Jackson Electric Soldering Irons
A 75 watt soldering iron of exceptional value. Length of iron 12" with 3/4" removable tip. Nickel plated case and black enamel handle. Shipping weight 2 lbs.
P14851—List $2.50 Your Cost $1.15

“American Beauty”
America’s most famous Soldering Iron. Made for those who want the best. The very finest materials and workmanship throughout. Metal parts are nickel plated and highly polished. Improved heat-proof handles. Length 151/4". Full 100 watt rating. Complete with 6 ft. cord and plug. Shipping weight 3 lbs.
P14855—Your Cost Each $5.50

“American Beauty” Hack Saws
A smaller “American Beauty” with straight metal case for ease in soldering in corners and tight places. Consumes 60 watts. Shipping weight 3 lbs.
P14856—Your Cost Each $3.25

Handy Sprayer
Ideal for use in or out of the shop with light paint, Duco or Lacquer. Air pressure supplied by any automobile tire. Complete with 6" brass No. 2 cone, 6 oz. can, 6 ft. hose, and adjustable spay tip. Designed to operate perfectly with very low pressure, will spray approximately from our jars from one tire containing 35 lbs pressure. Shipping weight 5 lbs.
P14704—List $7.50 Your Cost Complete $3.25

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 7x4x3". Shipping weight 4 lbs.
P14858—List $5.00 Your Cost $2.95

Type B: Almost as large as type A, holds enough fuel to burn 3 hours with one filling. Strokes in 20 seconds. Ideal for heating small black enamel cast irons. Is available. Size 7x3x1½". Shipping weight 3 lbs.
P14867—Your Cost $1.78

Pistol Grip
P14895

Hack Saws
P14894

Your Cost 21c
Nicked plated frame. Adjustable 8 to 12" cutting range. One 8" blade. Shipping weight 2 lbs.

Pistol Grip
P14895

Your Cost 35c
For blades up to 12". Enameded wood handle. Complete with one 8" blade. Shipping weight 2½ lbs.

Hacksaw Blades
P14845—List $3.00 Your Cost Each 25c
P14850—List $3.00 Your Cost Each 10c
P14857—List $3.00 Your Cost Each 29c
P14862—List $3.00 Your Cost Each 33c

Esco “Midget”
P14851—Your Cost Each $1.30

Esco “Junior”

Piston Grip
P14894

Your Cost 21c
Nicked plated frame. Adjustable 8 to 12" cutting range. One 8" blade. Shipping weight 2 lbs.

Pistol Grip
P14895

Your Cost 35c
For blades up to 12". Enameded wood handle. Complete with one 8" blade. Shipping weight 2½ lbs.

Esco “Midget”
P14851—Your Cost Each $1.30

Esco “Junior”

Perfect Merchandise - Prompt Shipment - Personal Service
Genuine
Mr. Service Man: You owe it to yourself to own at least one pair 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 remented long after the price has been forgotten. Shipping weight 1 lb.

Ploer
DIAGONAL CUTTING
Cutting jaws of this Plier are made together perfectly. "They cut the insulation as if it were wire." Length 63/4". P14140 - Per Pair $1.20

LONG NOSE
A truly fine tool with a side cutting blade that is sharp, and will stay so. Length 63/4". P14140 - Per Pair $1.60

Kraeuter Linemen's Pliers
Of special alloy steel drop forged, these are made to meet the demand for a Linemen's Plier surpassing any other ever produced. It is perfect in finish, workmanship and material. Length 81/2". Shipping weight 1 lb. P15075 — Your Cost $2.95

Kraeuter Long Fine Needle Nose Pliers
Furnished with a blade that is extra long finely tempered, for reaching into difficult places. Length 81/2". Shipping weight 1 lb. P14157 — Your Cost Per Pair $1.25

End Cutting Nippers
A very fine tool especially built to cut wire, small and main, in tight places. Hardened jaws. Very essential in every kit. Shipping weight 1 lb. P14157 — Your Cost Per Pair $1.25

Socket Wrench Set
Made of Cadmium plated steel. Contains one each of the following sockets: 5/16", 3/8", 1/2", 5/8", 3/4". Complete with wrench and metal container. P15080 — Your Cost $39.00

Wrench Set
Here's a handy little item for your tool kit. 10 in 1 slot-lock wrench set that will take all medium size nuts in general use, either square or hex. When wrench is not in use they are locked in compact bundle by the handy clip. Shipping weight 21/2 lb. P14732—List 70c Net $35.00

End Wrench Set

Quick Return Rachet
Ideal for drawing or driving screws that are hard to get at. When pressure on the handle is released, it automatically returns to the extended position, ready for the next stroke. Bits have new type pan(

P15066 — Your Cost $2.35

Household Scales
No home should be without a scale—here are three very inexpensive ones which are accurate. Steel spring and indicator. Faces are japanned body. Complete with box and hook. Shipping weight 1 lb. Capacity 25 lbs. P14983 — Each $9.00

P14984 — Each $13.00

P14985 — Each $19.00

Radio Tool Set
Contains ten practical tools which are in most general use in radio servicing—3" screwdriver, 5" screwdriver, scriber, reamer, countersink, pliers, center-punch, socket wrench set for hex and knurled nuts, and 2 wrenches for hex nuts. Packed in attractive box. Shipping weight 2 lbs. P14208 — Your Cost $1.95

Can't-Roll Center Punch
Made of exceptionally tough, swaged Carbon Steel. Head and points are polished and the grip is knurled. 3/4" point. P14199 — Your Cost Each $1.25

Radio Reamer
The handiest tool for reaming holes in radio panels, wood, light metals, etc. Length of blade 4". Will ream holes from 3/8" to 3/4". Shipping weight 8 oz. P15065 — Your Cost Each $15.00

Official Scout Axe
Selected by the Boy Scouts of America, as official because its design, hardness, quality of steel, heat treatment, and composition makes it one of the finest hand axes ever made. The head cannot come off, and the handle cannot loosen or break. It is a strong, safe, keen cutting axe, and the inlaid second grade hickory scales give perfect grip. Absolutely guaranteed. Shipping weight 1 lb. P15070 — Your Cost $1.25

Combination Tool and Pliers
NO. 1—A combination tool consisting of two tooth jaws for gripping round objects, two wire cutters, hammer, hatchet, tack puller and screw driver. A handy tool around the home and workshop. Shipping weight 1 lb. P14924 — List $1.00. P14924 — Your Cost 35c

NO. 2—Diagonal cutting pliers of drop forged steel, fully polished. Case hardened jaws. Length 6 3/4". Shipping weight 1 lb. P14150 — Your Cost 75c

NO. 3—Telephone pliers. Length 6 3/4", long nose with side cutter. Drop forged steel with case hardened jaws, fully polished. Shipping weight 1 lb. P14150 — List $0.75. P14150 — Your Cost 60c

NO. 4—Combination pliers with 6000 volt insulated handle. A very fine pair of pliers of high grade material and workmanship. Length 6 3/4". Shipping weight 1 lb. P14150 — List $0.75. P14150 — Your Cost 60c


NO. 6—Combined side cutting and burners pliers, fully polished. Length 8 1/2. For mechanics, plumbers and gas fitters. It has three wire cutters and the handles can be used as screw driver and reamer respectively. Shipping weight 1 lb. P14150 — List $1.00. P14150 — Your Cost $1.00

Parallel Action Cutting Pliers
A high grade nickel plated, parallel action Plier with an internal cutting jaw. Great leverage arrangement permits cutting of hard wire with comparatively little pressure. Length 6 3/4". Shipping weight 1 lb. P14984 — Your Cost Each $1.95

Radio Tool Set
Contains ten practical tools which are in most general use in radio servicing—3" screwdriver, 5" screwdriver, scriber, reamer, countersink, pliers, center-punch, socket wrench set for hex and knurled nuts, and 2 wrenches for hex nuts. Packed in attractive box. Shipping weight 2 lbs. P14208 — Your Cost $1.95

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WHOLESALE RADIO SERVICE CO., INC.—100 Sixth Ave., New York
Screw Drivers, Push Drills & Wrenches

Holds, Starts, Sets & Size Screw

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 different places, or may be used as ordinary screw driver. Made of finest material; each blade, specially tempered entire length of spring hexagon tool steel. Hard maple handle hardened and tempered. Slender style for radio work. Shipping weight 1 lb.
P14721 - Blade 4 5/8". List 50c
P14722 - Blade 10 1/4". List 60c
Your Cost Each 33¢ 39¢

Radio Screw Drivers

Tool Steel Blade Long Maple Handle

One dozen Screw Drivers put up on counter display card in equally assorted blade lengths of 1", 2" and 3". Black handle with nickel plated blade and ferrule. Blade is carefully slotted and tempered. Shipping weight 2 lbs. of good length. Slender style for radio work.
P14740 - Per Card of 12. List $1.20
Your Cost Each 49¢
P14741 - Set of 3, Assorted sizes. Shipping weight 8 oz. List 50.30
Your Cost Each 15¢

Screw Holding Screw Driver

This Screw Driver is a necessity for everyone who uses tools. For use in inaccessible places where the ordinary screw driver cannot be used effectively in inserting or extracting screws. Made of tempered tool steel. Some of its advantages are: It holds screw tight while using; prevents loss of screw, indispensable in assambing and is the only screw driver having the automatic release. Handle is insulated, enabling it to be used safely in electrical work. Grippers are of blued spring steel. Shipping weight 2 lbs.

Ratchet Screw Driver

Tool steel blade. Nickel plated ferrule, hardwood handle. Has 3 position ratchet adjustment that allows operation to right or left or holds blade rigid. Shipping weight 1 lb.
Stock No. Length Net
P14963 3" 45¢
P14970 5" 60¢
Your Cost Each 23¢ 30¢

Service Screw Driver

A low priced and very popular Screw Driver, with polished blade and attractively finished red hardwood fastened with bead lock. Blade of forged steel. Shipping weight 1 lb.
P15056 - Three inch blade
P15055 - Five inch blade
Your Cost Either Type 10¢

Screw Driver Bits

Round shank for 1/4", chuckers 3 blades to set: 1/4", 1/4", 1/4". Shipping weight 8 oz.
P14946 - Your Cost 39¢

Countersinks

Made of tool steel hardened and tempered. (*) Round shank, others square shank. Shipping weight 8 oz.
Stock No. Length Each
P14916 1/2" 13¢
P14917 3/8" 14¢
P14918 1/4" 14¢
P14919 5/32" 14¢
P14720 Your Cost Each 85¢

Goodell-Pratt Gears

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 through blade 9½". Shipping weight 2 lbs.
P14742 - Your Cost $1.59

Automatic Push Drill

Made of best quality steel, fully hardened and nickel plated. Extra heavy spring, released by turn of knob at top of hand. Handle contains 8 drill points sizes 1/4" to 1/4" in a separate compartment. Shipping weight 2 lbs.
P14938 - List $2.50
Your Cost Each 15¢

Goodell-Pratt Radio

Alligator Wrench

Drop forged steel. For square or hex. nuts 1/2" to 1/4". Has three die openings in center, sizes 1/4", 1/2" and 3/8". Length 8". Shipping weight 1 1/2 lbs.
P14937 - Your Cost Each 29¢

Crescent Pattern Wrench

Angle head and thin jaws. For square or hex. nuts. Length 6". Opens to 5/8". Shipping weight 1 lb. Nickel plated jaws. Shipping weight 1 lb.
P14936 - Your Cost 31¢

"Stix-on" Wrench

A patented wrench that fits all nuts from 1/4" to 1 1/2". Not affected by hex. or square. Has 12 different size jaws. Shipping weight 1 lb.
P14936 - Each 15¢

Shockless Screw Driver

A popular priced insulated handle Screw Driver for electrical, household and automotive work. Handle and ferrule are molded in one piece of Black and Red Composition. Blade is nickel plated and handle is 6" long. Shipping weight 1 lb.
P15060 - Your Cost 10¢

Replacement Part Headquarters for Dealers and Service Men.

www.americanradiohistory.com
Steel Folding Rule
Non-rusting, light weight, non-breakable. Length 6 ft., divided in 1/4 Big numerals, deep etched. Shipping weight 1 lb.
P14568—Your Cost Each 55¢

6 ft. Automatic Steel Tape
This automatic tape is made of a special rigid, flexible steel enclosed in a self-hardened brass case; fully nickel plated. Figures clearly etched on tape. Push-button controlled spring recoll. Dependable and in good condition. Shipping weight 2 lbs.
P14974—Your Cost Each 79¢

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 awl and hammers. Shipping weight 7 lbs.
P14577—Your Cost 1.49

Steel Folding Rule
Made of boxwood, finished in yellow enamel. Metal bound. Length 6 ft. Shipping weight 8 oz.
P14575—Your Cost 10¢

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 awl and hammers. Shipping weight 7 lbs.
P14577—Your Cost 1.49

“Lamo” Work Bench
Strongly Built
For Garage Factory, Shop or Home Use

Sub-structure made of 13x3 1/4" Angle-Iron securely are welded for rigidity. Stringers are inverted to allow nesting in lower shelf. Fas-tenor plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31 inches high. Delivered knocked down. Shipping weight 150 lbs.
P14942—Your Cost Each $9.95

Wood Chisel Set
Beveled edges, honed ready to use. 3/4" blades. Leather tipped hickory handles. Set of four chisels. Sizes: 1/4", 3/4", 1" and 1 1/2".
Shipping weight 2 lbs.
P14582—Per Set of 4. Your Cost 69¢

Block Plane
A 7" plane with hardened and tempered steel cutter 1 1/2" wide. Adjustable cutter. A real value. Shipping weight 8 lbs.
P14736—List 51.25 Your Cost 55¢

Pocket Level
P14951—Your Cost Each 10¢

“Lamo” Work Bench
Strongly Built
For Garage Factory, Shop or Home Use

Sub-structure made of 13x3 1/4" Angle-Iron securely are welded for rigidity. Stringers are inverted to allow nesting in lower shelf. Fas-tenor plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31 inches high. Delivered knocked down. Shipping weight 150 lbs.
P14942—Your Cost Each $9.95

Wood Chisel Set
Beveled edges, honed ready to use. 3/4" blades. Leather tipped hickory handles. Set of four chisels. Sizes: 1/4", 3/4", 1" and 1 1/2".
Shipping weight 2 lbs.
P14582—Per Set of 4. Your Cost 69¢

Block Plane
A 7" plane with hardened and tempered steel cutter 1 1/2" wide. Adjustable cutter. A real value. Shipping weight 8 lbs.
P14736—List 51.25 Your Cost 55¢

Pocket Level
P14951—Your Cost Each 10¢

“Lamo” Work Bench
Strongly Built
For Garage Factory, Shop or Home Use

Sub-structure made of 13x3 1/4" Angle-Iron securely are welded for rigidity. Stringers are inverted to allow nesting in lower shelf. Fas-tenor plates at corners for additional firmness. Slotted foot rest for anchoring to floor. Top made of 2" kiln-dried Douglas Fir, vertical grain. Size 24x60" top; 31 inches high. Delivered knocked down. Shipping weight 150 lbs.
P14942—Your Cost Each $9.95

Wood Chisel Set
Beveled edges, honed ready to use. 3/4" blades. Leather tipped hickory handles. Set of four chisels. Sizes: 1/4", 3/4", 1" and 1 1/2".
Shipping weight 2 lbs.
P14582—Per Set of 4. Your Cost 69¢

Block Plane
A 7" plane with hardened and tempered steel cutter 1 1/2" wide. Adjustable cutter. A real value. Shipping weight 8 lbs.
P14736—List 51.25 Your Cost 55¢

Pocket Level
P14951—Your Cost Each 10¢
PRICES REDUCED ON THESE TOOLS

GARDEN TOOLS

Yankee Radio Tool Set
No. 106
This combined Tool Set No. 106 and Radio Drill No. 1341 is especially designed for radio work. A beautifully balanced, small, powerful drill, with a 4-to-1 ratio of gears for speed. Special Radio Chuck 1/2" capacity, length 5 1/2". It makes a complete set of all Yankee Radio Tools. With this combination tool set, of the ratchet screw driver and blades, with the Radio Drill, all radio mechanical work can be taken care of, such as driving and withdrawing screws, reaming, nut run ups, drilling, etc. The handsome mahogany finished chest in which it comes, has compartments for each tool, so all may be handled neatly in order, when not in use. Packed one in cardboard box. Shipping weight 5 lbs.
P15026
Your Cost $7.45

Pexco Wing Dividers
Finest forged steel, full polished finish. Thumb screw adjustments. For describing arcs and circles and transferring measurements to and from a steel rule, and a great variety of laying out work. "Pexco" name appears on every set. Length 12 inches. Shipping weight 2 lbs.
P15046
Your Cost $59

Rivet-O-Punch
A tool of a thousand uses. For making solderless lugs in electrical work. A very handy tool for the radio mechanic, especially in lay-out work. Also used for making holes in leather, fibre, paper, or canvas. Of pressed steel, designed especially for strength. Useful where many sheet are to be fastened into one compact file, also samples and inserts to letters. Indispensable in the shop, home or office. Parceled complete with a box of brass eyelets. Shipping weight 1 lb.
P15046—List Price $2.00
Your Cost Each 59¢

G. M. Co. Spark Plug
Perfection in workmanship and the finest materials obtainable are combined in this Hy-Ton Insulator Plug. Especially adapted to high compression motors. Manganese electrode and firing pins are adjusted and set for quick starting and better performance under all conditions. A wider range of service in hot or cold motor with an absolute guarantee of satisfaction. Available in four sizes to service all passenger cars, and most trucks, tractors and airplanes. Shipping weight 8 oz. each.
P15146—7/8 Thr. No. 9—1 1/4 Hex.
P15147—5/8 Pipe Thr. No. 7—1 1/2 Hex.
P15148—Metric. No. 9—1 1/2 Hex.
P15149—3/4 Thr. No. 11—1 3/4 Hex.
Your Cost Each 36¢
Set of Six $2.00

Extension Strap
Genuine Leather with Buckle
Net

Notched Hedge Shears
Made of best quality drop forged steel. Blades highly polished, accurately ground and set. Case hardened bolt and nut, spring tension washer, copperized seamless steel ferrules. Each blade tag has a patent clutch spring making it impossible for handle to loosen. Size 7" cutting blade. Shipping weight 4 lbs.
P15100—Your Cost $1.19

Grass Shears
P15101—Your Cost $35

Garden Shears
A New Garden Shear with an exclusive feature that makes it easy to cut flowers, trim vines and prune shrubs. A metal finger holds the stem or twig as it is being cut. If a flower is being cut, finger holds it until you put it in the basket; if a twig until you cast it aside. Only one hand is needed. Made of fully tempered drop forged steel; rust proof nickel, and red lacquer finish. Shipping weight 2 lbs.
P15102—Your Cost $79

Pruning Shears
High grade, bevel polished steel blade and hook. Tempered, taper thread screw, improved die forged tension spring. Rustless coil springs; inside spring catch. Size 9". Shipping weight 2 lbs.
P15103—Your Cost $65

Ladies Hedge Shears
Fully polished blade of drop forged steel; accurately ground and set. Case hardened bolt and nut, spring washer. 6" cutting blade. Shipping weight 3 lbs.
P15104—Your Cost $65

Forged Steel Pruning Shears
One-piece construction. Hardened and tempered to give it exceptional strength. Polished blade and hook. Lock nut and bolt design. Size 9". Shipping weight 2 lbs.
P15105—Your Cost $49

Quality Grass Shears
Forged, steel polished blades; fitted with spring tension washers. Green Duo finished handles. Standard size 6" blade. Overall 12 1/2". Shipping weight 2 lbs.
P15106—Your Cost $45

Extension Strap
Genuine Leather with Buckle
Net

U. S. Army genuine leather luggage strap, with new double prong double grip buckle. For luggage carriers on cars, salesman's case trucks, and many other uses. Made of tool steel at much higher price. Shipping weight 1 lb.
P1517—0.50 Thr. No. 10—1 3/4 Hex.
Your Cost Each 25¢
In Lots of 10 $2.15

Replacement Part Headquarters for Dealers and Service Men.
Wood Workers' Vise
A well-designed new type of Wood Workers' and general utility Vise. It will hold almost any shape and size. The jaws are smooth and tight. The Vise has been designed for use with any tool and can be used as a wrench. Shipping weight 10 lbs.

Crucible Steel Files
Made by a prominent manufacturer to sell at higher prices. We are very fortunate to be able to offer you this quality merchandise at very attractive low prices. These files are made of crucible steel and tempered. State length desired.

<table>
<thead>
<tr>
<th>Length</th>
<th>Cost Each</th>
<th>Six</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>9c</td>
<td>11c</td>
<td>50c</td>
</tr>
<tr>
<td>8 in.</td>
<td>10c</td>
<td>12c</td>
<td>60c</td>
</tr>
</tbody>
</table>

Wood File Handles
Polished hardwood, fitted with a brass ferrule. Will take all files of medium size. Shipping weight 1 lb.

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<tr>
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<tbody>
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<td>7c</td>
<td>11c</td>
</tr>
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<td>6 in.</td>
<td>8c</td>
<td>14c</td>
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Whirlwind Hand Saw
These saws are warranted to be of high grade spring steel; accurately tempered. A tool of real merit. When buying a Whirlwind Quality Saw you can be sure that you are getting the finest materials and workmanship. Nettly etched, set and filed ready for use. Hardwood, varnished handle. Shipping weight 4 lbs.

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<tr>
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Coping Saw Frame Adjustable Handle
The blade can be easily adjusted to face any angle desired direction by the pin at both ends of the blade. Blades tightened by turning handle and locked at any angle. One blade furnished with each frame. Shipping weight 3 lbs. 

<table>
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Close-Cut Hack Saw
Fits where ordinary hack saws cannot be used. Ideal for radio and auto mechanics, carpenters, machinists, etc. Frame contains a special design wave set, 10° blade. Broken Hack Saw Blades may also be used. Shipping weight 2 lbs.

<table>
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Combination Lathe
This lathe fills the want of any amateur mechanic for wood-turning and metal turning. With its equipment it will turn, drill, saw, polish and grind. It is solidly built of first class material and well constructed. Lathe is equipped with the following: 3-lug chuck, 3" face plate, 1½" metal, 1½" wood cutting saw, 4½" grinding wheel, T-rect, tail stock, center points, 4½" saw table with guide, etc. The lathe is for the very experienced exper-

Grip
Sturdily constructed. Will give years of service. Shipping weight 10 lbs.

Motor Arbors
These Arbors fit directly on to the shaft of any small electric motor in place of the pulley. Made of the finest grade metal. Each Arbor is equipped with flange and locking nut to hold grinding wheels, circular saws, buffing wheels, etc. Has a choice, with three hardened jaws. Shipping weight 2 lbs.

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Motor Drill</th>
<th>Your Cost</th>
</tr>
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<tbody>
<tr>
<td>PS1503</td>
<td>490</td>
<td>45c</td>
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Bench Plane
Adjustable, smooth bottom, with double steel irons. Handles and Knobs of polished selected Hardwood. Has polished sides. Shipping weight 6 lbs.

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Platinum Point File
This is a special fine-cut tool designed for spark plugs or coils. Also used for ignition troubleshooting as a general utility file. Shipping weight 1 lb.

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Auto Jack
An unusually fine Jack at a very low price. Both screws turn out to full height. The load is carried on a thrust bearing built of ¾" bailes in an enclosed race. The long 48" handle, operating from the center of the jack, will turn up any passenger car with ease. Its capacity is 3,000 lbs. Shipping weight 10 lbs.

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Master Cabinet Set
Warranted Spring Steel, accurately tempered blade. Consists of 12" Mitre Saw, 16" Panel Saw and 12" metal interchangeable handle of hardwood. Shipping weight 6 lbs.

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The Walker No. 530

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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.

For the protection of our customers, we maintain a private "Bureau of Standards," which is equipped with the finest test apparatus and manned by a staff of experienced, practical-minded radio engineers. Every modern laboratory device known to the radio art is available.

COMPLETE CHECK UP
Before any article is listed in the Catalog of the Wholesale Radio Service Co., Inc., it must go through this "Bureau of Standards" and be checked completely from every mechanical and electrical standpoint. Many sets and accessories are also taken to different locations in and around New York and subjected to further field tests. Automobile receivers, for instance, are actually put in cars and driven a few hundred miles. They are then returned to the laboratory and examined again for possible breakdowns or weak points.

The sensitivity, selectivity and tone quality of all receivers are subjected to particularly searching scrutiny, as these factors determine the general worth of a set. Our engineers do not rely on their ears and eyes alone, but make quantitative measurements with precision meters. Detailed records are kept of all these tests for future reference.

PRICE NO CONSIDERATION
The price of an item is of no interest to our Bureau's expert test men; only its overall quality and its ability to meet the claims made for it concern them. They are just as likely to reject a ten cent condenser as a $200.00 oscillator! It is because of their unbiased judgment and freedom from outside influence that we are able to make such broad and honest guarantees and to offer a 30-day free trial offer.

The various views of the Bureau on this page will give you some idea of its extent and facilities. Please understand that this laboratory is part of our own organization and is located right in our own building.

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HERE'S a bargain that comes once in a lifetime. Attach this full automatic remote control assembly to your present radio chassis. Turns the radio "on" and "off". Selects accurately six different stations and adjusts the volume to the desired level. Engineered and built by Westinghouse. For full details on this unique control, refer to Page 41.

RCA SPEAKERS

The magnetic speaker at the right is equipped with a channel selection switch and volume control, the dynamic speaker at left has tapped primary output for multiple installations. For full details on these two speakers, refer to page 54.

WHOLESALE
RADIO SERVICE CO. INC.
100 SIXTH AVE. ONE BLOCK ABOVE CANAL NEW YORK, N.Y.