

Radio Setbuilders Wholesale Catalog

**Service!
Accuracy!**

**Courtesy!
Promptness!**



Setco Special Service Man's Tester, Analyzer and Tool Kit

New! Just what the Service Man has always needed but never could get!
And, the Price!
See Page 86 and find out!



Silver-Marshall 720-SG Receiver See Page 22

On various pages throughout this book, you will find a complete listing of Silver-Marshall products.



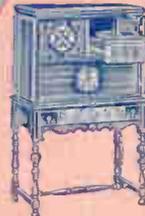
Setco Dynamic Reproducers

A revelation in natural reproduction. No "barrel" effect. See page 43 for complete listing of chassis, table and console models.



Thorola AC-7 Radio Receivers

With the Two-Year Guarantee and 15 Days Free Trial. Most liberal, revolutionary offers ever made. See Pages 4 to 9 and Back Cover.



Thorola
Combination
Radio-Phonograph
Compact. A marvelous musical instrument and priced far below the market. See Page 8.

Tyrman

"80"—"72"—"60"
New Kits. See
Pages 24, 25, 26.



Security Iron in Colors
and Many Other Appli-
cance—See Page 98.

AERO COIL

and other Popular
Short Wave Receiving
and Transmitting Kits
and Parts — See Pages
32 to 36.

Setbuilders Supply Co.

ROMBERG
BLDG.

INDEX
Page 97

CHICAGO, ILL.

COMMANDER

A Receiver of Super Power

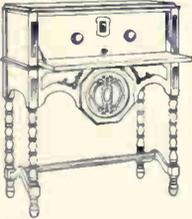
AC
Stage-
Shielded

8

The Fleetwood Model

The charm of fine furniture for the utility of radio finds exceptional expression in this beautiful model. Picture and word fall short in delineation of the magnificence of this really fine early American desk design. It is made by skilled craftsmen from the choicest genuine Black Walnut. The fall leaf and front panel are of selected butt walnut grain. The striking eight-sided speaker grille is set off with genuine Satinwood overlay. Antique hardware, in keeping with the design. The finish is finely highlighted, shaded and rubbed lacquer, lasting, soft and pleasing. The legs are turned in authentic period style and further embellished at top with fluting. The entire front has shaped routing together with sprays of old carving—the finishing touch to the design.

This wonderful radio set is entirely self contained. Only the light socket cord, aerial and ground leads are outside. It comes with either a magnetic cone speaker or with a powerful Dynamic Reproducer as listed.



The receiver is the great Commander A-C 8, complete description of which appears on page 14.

The console stands 40 inches high, 32 1/2 inches wide, 15 3/4 inches deep.

No. 3R-1039. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$169.90.

Your NET Price..... **\$91.75**

No. 3R-1040. Set Complete with Power Dynamic Reproducer, but without tubes.

List, \$199.60. Your NET Price..... **\$107.80**

No. R-04197. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280 rectifier).

List, \$38.00. Your NET Price..... **\$18.62**



Magnificent Walnut
Console
Push Pull Audio

The La Salle Model

COMMANDER 8

One has visions of mansions, sumptuously fitted on viewing this Magnificent Console. Its beautiful grained wood and soft velvety finish bespeak a grandeur that gives the lover of fine furniture a real thrill! Craftsmen of long experience take pride in each step of its production. Each is a masterpiece of cabinet work. It is made from selected genuine black walnut. A striking feature is the diamond matched walnut doors with overlays of striped mahogany. The front panel inside is also of matched butt walnut. The top of base is ornamented with a hand carved runner around front and ends. Twisted turned legs. Ball feet and braced underpinning, proving great strength and rigidity. Period type door pulls. The doors fold flush with sides entirely out of way. The finish is beautifully light shaded and rubbed lacquer, soft and pleasing. The console stands 50 inches high, 27 1/2 inches wide and 17 inches deep.

The Receiver is the famous Commander Stage Shielded A-C 8, described in detail on page 14. It is entirely self contained and operates direct from light socket, using A-C tubes.

You are given a choice of a fine Magnetic Cone Speaker or a Power Dynamic Reproducer as listed below. Either of these speakers together with the audio system of the receiver insures superb reception of all broadcast programs.

No. 3R-1041. Set Complete with Magnetic Cone Speaker, but less tubes. List, \$187.95.

Your NET Price..... **\$101.50**

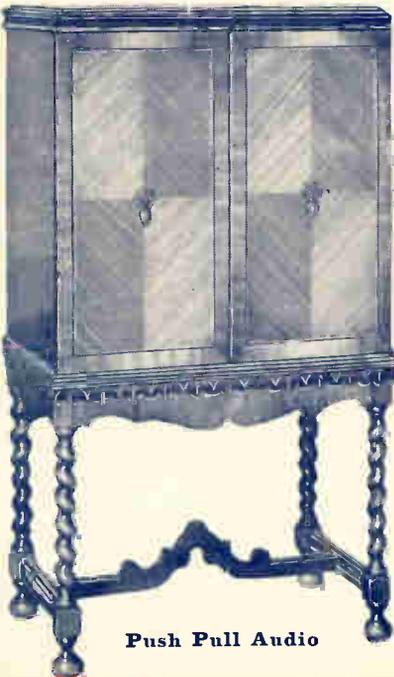
No. 3R-1042. Set Complete with Power Dynamic Reproducer, but without tubes.

List, \$217.65. Your NET Price..... **\$117.55**

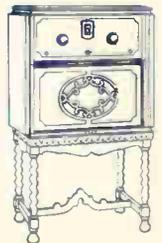
No. R-04197. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280 rectifier).

List, \$38.00. Your NET Price..... **\$18.62**

List, \$38.00. Your NET Price.....



Push Pull Audio



Service With a Zip and Spirit!

Stocks, Equipment and Personnel to Give It

The greatest need of the Setbuilder or Dealer today is **Speedy Shipment** of orders correctly filled. This is the foundation of our business. Our stock rooms are full and bulging with the finest quality radio merchandise the market offers. They are kept that way against the demands of our customers. In addition, we are located in Chicago, the center of radio. It is the home of more than three-fourths of the manufacturers whose merchandise is in the greatest demand. We are in daily contact with these sources. This means up-to-the-minute listings and the fastest possible shipment of orders.

We look upon each order as a visiting friend—the same as if you called on us in person. Our organization is made up of skilled, quick,

accurate workers. They have three watchwords: "Courtesy", "Accuracy" and "Speed"! And, they live up to them!

Our business is based upon honesty and fair treatment. We do not mishandle our customers on the basis of seeing whether we can "get away with it." We try to treat our customers exactly as we ourselves would like to be treated were we on the other end of the transaction.

These policies have built for us an enviable following and we are proud and jealous of our position in the trade. If you have not dealt with us before, we sincerely believe there is a pleasant surprise in store for you. You will find that we don't make promises we can't keep. You will find our prices right. You will find a care and attention given to your wishes that, we believe, is truly unusual in this field. What we promise we deliver!

All Fresh New Goods No "Job-Lots" or "Close-Outs"

Our low prices are based upon huge purchases, efficient operation and economical distribution. Do not be misled into believing that some items are "distress" merchandise because they are priced so low. We will not offer any obsolete, out of date, close outs or job lots of merchandise just to quote a low price. Everything you buy from us is new, fresh—guaranteed. All items come to you in the original manufacturer's package.

You Deal in Confidence With a Responsible Concern

We are well known in the radio and publishing fields. Ask your banker, the Express company, Dun or Bradstreet or any manufacturer about us. They will tell you that we are a large, responsible concern. You need have no fear in dealing with us. You will get a square deal always!

Lowest Wholesale Prices

We are in daily touch with the radio markets. From years of experience, we know values. Therefore, we are in a position to obtain for our customers the lowest possible prices on standard, reliable merchandise. The prices in this book are the lowest wholesale prices obtainable. All discounts have been deducted and in many cases special reductions given where we could obtain them for our customers.

Our Money-Saving Terms

All prices quoted are NET. All discounts, including 2% for cash, have been deducted. Our terms are Cash With Order or Cash On Delivery (C. O. D.). At the low prices we quote, we are unable to extend any credit whatsoever. In fact, many highly rated concerns regularly buy from us for cash because of the large savings they make. We must ask all new customers to accompany C. O. D. orders with a partial deposit.

All merchandise is quoted F. O. B. Chicago or Factory.

Orders from all foreign countries, territories or possessions outside the U. S. A. must be accompanied by cash in full, including transportation charges. We are experienced in handling all special export invoices, declarations and special papers. All foreign orders are given quick, accurate attention.

Special RUSH Service on Telegraph, Telephone and Air Mail Orders

When a customer tells us he is in a special rush for the goods he orders, we take it to heart and act accordingly. Specially trained men stand in readiness to give especial attention to orders sent us by Telegraph, Telephone and Air Mail. In most cases, such orders are dispatched within two to six hours after receipt. Our Telephone number is CENTRAL 0292. Of course, we ask that this special service be not abused. Ordinarily, we give one-day service. But, when you must ask better attention, we will give it.

In the Matter of Return Goods Please Observe This System

Please do not return any goods to us for credit, repair or exchange without first writing us for permission to do so. All returned merchandise should be sent back in the original containers. This is especially true of furniture which should be packed with extreme care to avoid scratching and marring in shipment. All returned goods should be prepaid.

Everything Good in Radio

The markets of the world of radio are open to us. If you do not find exactly the apparatus you want listed in this book, write us. We will then make every effort to secure it for you at the right wholesale price. It takes a little longer to handle such special orders, but they will be given especially prompt attention.

Our Liberal Guarantee

We guarantee all merchandise which we sell against any defects in material and workmanship. We do this in addition to the individual guarantee of the various manufacturers. We agree to repair or replace free of charge any defective material.

This guarantee does not cover material willfully or carelessly damaged by the user. Material damaged by carriers is at purchaser's risk, but our Service Department will deal for you with Express Company or Postoffice if you will furnish the "Bad Order Receipt" of the carrier.

Special Two-Year Guarantee on Sets

See details of this amazing, unheard of guarantee on pages 4 and 10.

The New Thorola Power 7

All That a Good Radio Receiver Should Be!

You have a right to expect much from a good radio receiver these days. The art has reached a high point of development. You will find the Thorola reflecting the great advancements made in the last year. It is simple—trim and rugged in construction. It is easy to operate and requires no attention. It is truly an A-C receiver—wholly self-contained. You plug it into the 110 volt A-C light socket, turn on the switch and that's all there is to it. There are no outside power units with which to bother or adjust. The tubes are the only parts you will ever have to renew. One could hope for no simpler, more efficient, trouble-free radio receiver.

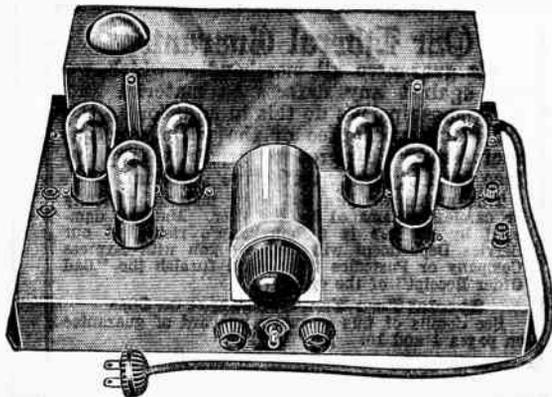
Not the Cheapest, but Certainly the Best Value

Do not be misled by the amazingly low prices we quote on these quality receivers. Real value goes beyond the price and reaches into years of prideful, pleasant ownership. There may be lower priced sets in the market than the Thorola. But we sincerely believe there are none of better value.

Thorola prices are based upon well engineered construction, efficient production and economical distribution. Each dollar you invest in Thorola buys real worth. There is no waste. There are no expensive, catch-penny "gadgets" on them. They are just real good radio sets designed to bring continuous, troublefree reception over the years.

-tone is the Big Thing in an AC Receiver

The most beautiful thing in life is Nature itself. By this token, the most pleasing radio reception is the Natural kind—the true reproduction of the splendid programs broadcast. No hard, harsh, metallic output to "jar" the ears. But, rather, the true boom of the bass, the definite resonance of the piano, the faithful sweetness of an old violin, the pure melody of a trained voice. That is what you have with the Thorola. Behind the audio system in this fine receiver is the experience of years in acoustics and electrical reproduction. When equipped with our special Dynamic Reproducer, the Thorola is truly a Master Musical Instrument. Its output is uncanny in its Naturalness—just as though you were before the musician, the speaker or singer. It is a revelation. It is a delight! It is a thrill! It is, in short, perfectly natural!



A C Radio Receiver

Two-Year Guarantee

The Greatest, Most Liberal Guarantee in History of Radio

We know how deep lies the inbuilt quality of the THOROLA A-C 7 Receiver. Therefore, we guarantee its integral parts against defects in material and workmanship for two years. After you have properly installed the set, have it operating according to instructions, if at any time within two years any part should prove defective, we will replace it without cost to you, if, after receipt by us, it is proven defective. There are no strings to this amazing guarantee, all we ask is that you subject the set to proper treatment. We cannot, of course, be responsible if the set has been abused, subjected to abnormal power voltages or in any other way misused.

15 Days Free Trial

Send us your order for the model THOROLA A-C 7 you desire, ordering in the usual way. Cash with order or C. O. D. (see page 3 or order blank for terms). Set it up and give it the most rigid comparative test you wish. If, then, you are not convinced that our claims for it are modest, or for any reason whatsoever you are not entirely satisfied, you may return it to us any time within 15 days after receipt and we will exchange it or refund your money, as you desire.

This offer is just as liberal as our Two-Year Guarantee. There is no catch in it. All we ask is that you give the receiver careful treatment and in the event of returning it, you pack it carefully. There will be no questions, no quibbling. You are the sole and supreme judge.

Why We Can Make These Extraordinary Claims and Such an Amazing Guarantee

The Thorola is the product of real radio engineers! In its making has gone all the experience gleaned through the years of radio development. Only the proven, unquestioned systems are used. It contains no fancy frills, no complicated, untried "gadgets." Its chassis is steel. It is single control. Its units are provenly good. Each receiver is air tested. Rugged, sturdy, like a battleship, it will last through years of ordinary usage. Only the tubes will wear out.

That is why we are so positive in our claims, so liberal in our guarantee. And, we know that any average, fair minded buyer will agree with us on every point. With fair treatment and handling the Thorola will last a lifetime.

Chassis Sold Separately for Those Who Choose Special Consoles or Cabinets

Great care has been taken to offer the Thorola in a wide range of cabinets to please every taste. However, for those who desire to place this wonderful receiver in Special furniture of their own choice (see pages 90 to 96), we offer the chassis alone. This chassis contains all units, including the inbuilt power supply, on an all metal base.

No. 2R-1049. Thorola A-C Power 7 Receiver Chassis Only. List, \$69.45.
Your Special NET Price..... **\$37.50**

Perfectly Balanced R. F. Circuit

In tuning the Thorola, your first impression is one of delightful smoothness. Station after station rolls in with a rush of power—clear, sharp and defined. No painstaking manipulation of the dial is required. This is due to the scientifically balanced circuit. Precision condensers, precisely made solenoid coils, minute accurate assembly, all founded upon properly engineered design, make for perfect reception. No oscillation, no squeals and howls, just smooth, even reproduction. There are three stages of tuned radio frequency amplification, detector and two stages of transformer coupled audio, using 171 power tube in the output stage.

Scientific Volume Control

So cleverly balanced is the Thorola System of volume control, that the volume may instantly be changed from a whisper to room-filling proportion without sacrifice of clarity. There is a total absence of muffling or choking. The definition is just as sharp at low volume as it is at maximum. This is particularly desirable in an AC receiver and is a noteworthy feature of excellence in the Thorola.

Precise Selectivity

The Thorola is distinctly a spirited receiver! It reaches out long distances! It gets practically all there is in the air! This demands a high degree of selectivity, that powerful stations might be brought in without interference with one another. Right here in Chicago, the most powerful station is tuned out with the merest shift of the dial. This can be controlled by the little knob at the right, which is a special Thorola feature. In the most congested spots, the Thorola always separates the strongest stations without difficulty.

Delightful Operation

This is truly a receiver for the one who has never tuned a Radio, as well as the "old hand." There is only one major tuning control. In difficult situations, another knob operates a trimmer for extremely sharp control. The volume control knob completes the panel layout. Station selection with the illuminated dial is delightfully easy. Operation is thoroughly stable, keeping perfectly in tune for long periods of continuous reception. It logs perfectly, the same station coming in regularly at the same point on the dial.

7 AC Tubes

There are three super-power stages of radio amplification, detector and two stages of transformer coupled audio. Four 226 type, one 227 type and one 171A type AC tubes are used in the receiver while one 280 type rectifier tube is placed in the inbuilt power pack. The last audio stage employs the 171A power tube, unequalled for tonal output. The detector stage is built around the 227 AC tube, the super sensitive detector.

General Specifications

The chassis is all Steel, insuring permanent stability of all units. It measures 17½ inches wide, 10½ inches deep and 7 inches high. An outside antenna is recommended, but many indoor types give good results.

15 Days' Free Trial

Order a Thorola AC Power 7 in the regular way, cash with order or C. O. D., as you wish. Set it up and give it any comparative test. If, after 15 days, you are not convinced that it is a superior value or falls short of our claims for it, return it to us for exchange or refund. (See details, Page 4.) We respectfully ask that you use the same care and judgment as you would if our positions were reversed.

Moderne Metal Chest Model

With Wrought
Iron Stand and
Bench to Match



Thorola AC 7

This ensemble makes a wonderful and most popular combination for any home. It lends an air of aristocratic splendor to any room in which it is placed. It will last a lifetime.

The Moderne Metal Chest is pressed from one piece with rounded corners. The finish is beautiful, being in crackle in two tone combination of golden and brown, richly blended. This chest forms an additional shielding for the receiver, being protection from outside interferences. It measures 20 inches long, 12½ inches wide and 8¾ inches high. The cover is readily removable.
No. 3R-1095, Thorola AC 7 Receiver, Moderne Metal Chest Model, Complete, less tubes. List, \$77.75. Your Special NET Price..... **\$42.00**

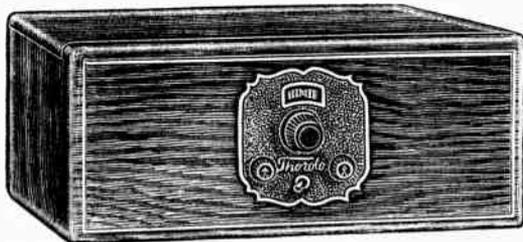
The Stand and Bench

Beauty, economy and durability! The design is a clever adaptation of the Spanish vogue, characterized by beautiful scrolls, twists and carvings. The material is wrought iron, staunch and strong, but not heavy. The finish is striking, being antique brown with delightful touches of gold polychrome.

The Stand is 28½ inches high, 20 inches wide and 12 inches deep. Weighs only 23 pounds.

The Bench is made to match Stand, with well upholstered seat, covered with beautifully figured jacquard. It is 18 inches high and the seat measures 12x24 inches.

No. 1R-33105, Wrought Iron Radio Stand. List, \$12.75. Your Special NET Price..... **\$7.50**
No. 1R-33106, Wrought Iron Upholstered Radio Bench. List, \$9.75. Your Special NET Price..... **\$5.73**

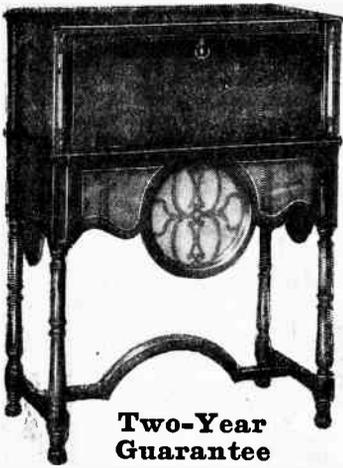


Modern American Wood Chest Model

This beautifully simple, neat, compact chest model makes an ideal container for the great THOROLA AC 7 Receiver. It is made of selected American Walnut in the favored rubbed lacquer finish. The color is a soft, neutral brown shade, blending nicely with almost any surroundings. The severity of the front panel is delightfully relieved by the handsome scratched panel of the receiver and a hand out traced routing near the outside edge. The kind of cabinet you find in the most expensive sets. It measures only 20 in. long, 8¾ in. high and 12½ inches deep. The top is fitted with piano hinge.

No. 3R-1096, THOROLA AC 7 Receiver, Modern American Wood Chest Model, Complete, but less tubes. List, \$84.70. Your Special NET Price..... **\$45.75**

No. R-04198, Kit of Sonatron Tubes (four 226, one 227, one 171 and one 280 rectifier). List, \$22.50. Your Special NET Price..... **\$11.02**



**Two-Year
Guarantee**

The Glenwood Model *Thorola* AC 7

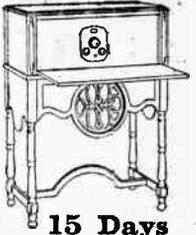
Here we have a wonderfully popular setting for this marvelous AC receiver. This is an adaptation of the favored old Spinnet Desk. It is made of selected American Walnut with the front in choice burl grain. The legs are neatly turned and graced with a curved design cross stretcher. The pilaster on the ends at top harmonize with the legs. The true period effect is brought out by the curved end panels and by the contour of the front apron. The graceful round grille with inlay effect border adapts itself ideally to the general design. The finish is the new rubbed lacquer, soft, pleasing, permanent. Console stands 40 inches high, 30½ inches wide, 16 inches deep.

Special Wholesale Prices

No. 3R-1043. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$130.40.
Your Special NET Price.... **\$70.45**

A choice of reproducer is given: either a good quality Magnetic cone or the powerful, natural tone Setco Dynamic. In either case, this beautiful cabinet forms a perfect baffle for the Speaker.

The smaller illustration shows how the front leaf lowers to form an arm rest in tuning.



**15 Days
Free Trial**

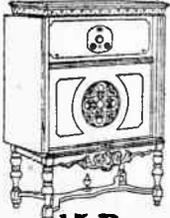
No. 3R-1044. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$160.15.

Your Special NET Price.... **\$86.50**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. **\$11.02**
Your NET Price.....

The Berkshire Model *Thorola* AC 7

For those who favor massiveness in their furniture, this fine console is the answer. Yet it is not bulky. It stands 44 inches high, 29½ inches wide, 16½ inches deep. Its design is reminiscent of the early American period, much favored by lovers of fine furniture. Its construction is distinguished by exceptional workmanship. Made from selected American Black Walnut with unmatched butt grain doors and inside panels. The doors are tastefully set off with overlays



**15 Days
Free Trial**

No. 3R-1045. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$196.85.
Your Special NET Price... **\$106.30**

of Birds-eye Maple. Note that doors fold back flush with sides when opened. Antique brass hardware of period design. The finish is masterly done in high-lighted, shaded and rubbed lacquer—soft, pleasing, lasting. The smaller illustration shows the beautiful round grille in a magnificent cut-out design, backed by filling silk cloth. In mounting the receiver, the harmonizing walnut panel is utilized—the richest possible effect. You will always be proud of this fine console—its beauty growing more prized year after year.

No. 3R-1046. Set Complete with 120 inch Air Column Horn Speaker, but without tubes. List, \$178.00.
Your Special NET Price.... **\$96.10**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171 and one 280 rectifier). List, \$22.50. **\$11.02**
Your NET Price.....



**Two-Year
Guarantee**

Greatest Value in Radio History!

The Roslyn Model *Thorola* AC 7 A Most Popular, Magnificent Console

This magnificent Console design has taken the country by storm. It is a masterpiece of the furniture designer in fitting the old period effects to the utility of radio requirements. It is an ideal setting for this wonder receiver. Made from choice American Walnut with choice burl grain on the doors. The front is further tastefully embellished by designed overlays of maple. The legs are beautifully turned and fluted in an adapted Hepplewhite design. A jaunty touch is the carved urn atop the gracefully curved cross stretchers. The finish is the work of skilled artisans, being hand rubbed, highlighted and deftly shaded. The doors fold back flush with sides, disclosing a pleasing interior. The wide speaker compartment panel with its attractive cut-out round grille forms a perfect baffle for the speaker.

No. 3R-1047. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$145.25.
Your Special NET Price.... **\$78.45**

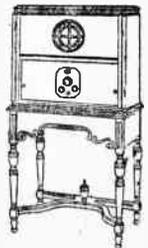
The Console stands 52 inches high, 26 inches wide and 18½ inches deep.

The entire construction, the materials, the design and finish make this a most elegant piece of furniture. A fitting piece for the most luxuriously furnished home. You will always be proud of it.

No. 3R-1048. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$173.10.

Your Special NET Price.... **\$93.50**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171 and one 280 rectifier). List, \$22.50. **\$11.02**
Your NET Price.....



**15 Days
Free Trial**



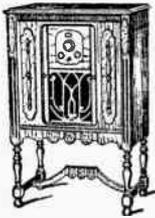
**Two-Year
Guarantee**

The Argyle Model *Thorola* AC 7—with Sliding Doors

Here we have a pleasing adaptation of a new and popular period design, known as Moderne French. There is a certain richness and finished refinement in this design that endears it instantly to those

who appreciate beauty in furniture. Although extremely moderate in cost, this fine little console has many points of superiority. Its ornamentation and varying woods give it that dashing effect suggestive of its origin. It is made of American Walnut with contrasting burl grain, striped walnut, Carpathian elm and burl mahogany. Rubbed, satiny finish.

The console stands 40 inches high, 25 $\frac{3}{4}$ inches wide, 16 $\frac{3}{4}$ inches deep. A distinctive feature is the method of closing.



The doors slide together, gliding easily and quickly. The smaller illustration shows the beautiful cut-out grille.

The Receiver is the famous Thorola AC Power 7, described in detail on pages 6 and 7. The receiver is entirely self contained. A choice of Speakers is given, either a fine quality Magnetic Cone or a Power Dynamic Reproducer. In either case with this wonder receiver, you will get all there is in the air, reproduced with beautiful faithfulness.

No. 3R-1060. Set Complete with Utah Magnetic Cone Speaker, but without tubes. List, \$137.40.

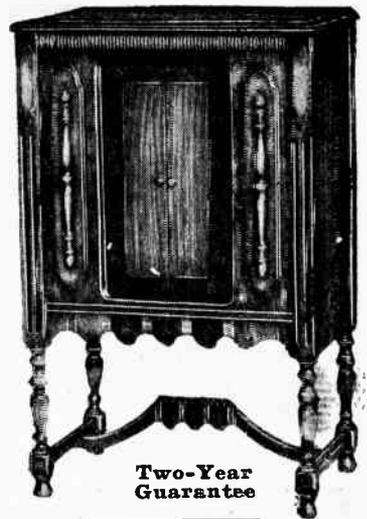
Your Special NET Price... **\$74.20**

No. 3R-1061. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$168.50.

Your Special NET Price... **\$91.00**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50.

Your NET Price..... **\$11.02**



Two-Year Guarantee



Two-Year Guarantee

The Mansfield Model *Thorola* AC 7 with Slide-Out Writing Desk

Serves a dual purpose in the living room, providing both a musical instrument and a practical secretaire. The drawer beneath the speaker compartment pulls out exposing a liberal writing surface and space for stationery and writing materials. The design is one of rare beauty and grace, being distinguished by deftly patterned overlays. The doors are faced with magnificently butt grained walnut. The antique hinges and pulls are in strict keeping with the design. The finish is a rich, rubbed, highlighted and shaded lacquer, soft and pleasing.

The console stands 52 inches high, 27 inches wide and 17 $\frac{1}{2}$ inches deep. The doors fold back flush with sides, exposing the attractive interior with its graceful speaker grille. The top is hinged for quick, easy access to the receiver.

You are given a choice of an excellent Magnetic Cone or a Power Dynamic Speaker. With either, coupled with the superior Audio System, you are always

assured of delightful reproduction. This Mansfield Model is indeed a wonderful value and most popular for its beauty and utility.

No. 3R-1062. Set Complete with Utah Magnetic Cone Speaker, but without tubes. List, \$159.60. Your Special Net Price **\$86.20**

No. 3R-1063. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$190.75. Your Special Net Price .. **\$103.00**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your Net Price **\$11.02**

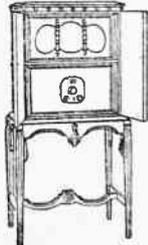


The Moderne Art Model *Thorola* AC 7

Striking in Appearance Yet Rich and Conservative

A real sensation in design! Refreshingly different, yet with a subdued charm that reflects the leanings in design that characterize the very day in which we live. One heaves a sigh of admiration on viewing it and as the days go by its grace and beauty grow on one's appreciation.

The doors are stripe Mahogany with center ornaments and drape effect hand carvings at top, highlighted to contrast. Delicate fancy maple frieze, drape carvings on legs and apron to match doors. Beautifully fluted legs and stretcher in truly modern design. The finish is the soft, mellow brown rubbed lacquer. This style is new. It is in vogue in the finer houses. Its popularity is spreading and your love of it may



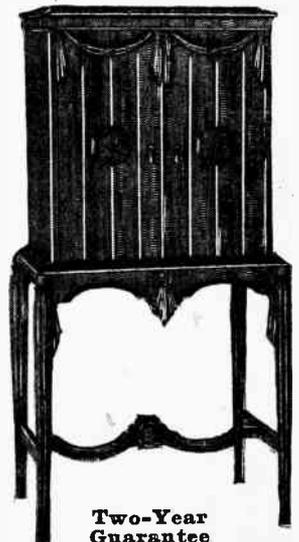
be gratified in this pretty model at moderate cost.

Console stands 57 inches high, 27 $\frac{1}{2}$ inches wide, 18 $\frac{1}{2}$ inches deep. The wonder Thorola AC 7 chassis rests in a pull-out tray, resting on rollers for easy access. The doors fold flush to sides when opened. You will always be happy you selected this delightful model. Space here will permit of no comment on this marvelous receiver. Turn to page 10 for complete details of its many superlatives.

No. 3R-1066. Set Complete with Magnetic Cone Speaker, but less tubes. List, \$188.35. Your Special Net Price **\$101.65**

No. 3R-1067. Set Complete with Power Dynamic Reproducer without tubes. List, \$218.00. Your Special Net Price **\$117.70**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your Net Price..... **\$11.02**



Two-Year Guarantee



Two-Year Guarantee

The Briargate Combination Radio-Phonograph *Thorola AC 7*

A masterpiece of compactness—a tribute to the ability of our modern designers. This compact Spinnet Desk model houses both the wonder Thorola AC 7 Receiver and a complete Phonograph Turn Table and Electric Pick-Up for electrical reproduction of Phonograph records. This equipment slides out the right end of cabinet as shown in the small illustration. At the will of the operator, by a simple switch on the turn table platform, broadcast reception may be instantly cut out and the electric pick-up and motor be engaged for service. Tripping this switch again reinstates the receiver. The equipment includes a fine quality electric motor, 10 inch turn table and the famous Pacent Phonovox Electric Phonograph Pick-Up.

The smart little console stands 43 1/4 inches high, 28 inches wide, 17 1/4 inches deep. It is made of choice wood with burl grain walnut drop leaf. Fancy overlays and "tear-drop" pulls. The finish is a soft, mellow brown. The platform shelf provides space for speaker. No speaker is furnished, giving purchaser his own choice. We recommend the Setco Dynamic shown on page 43.

Details of the great Thorola AC 7 receiver appear on pages 4 and 5.

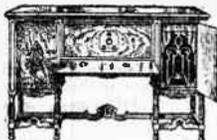
No. 3R-1068. Set Complete with Electric-Phonograph Equipment as described, less tubes and less speaker. List, \$186.10. Your Special NET Price..... **\$101.50**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your NET Price..... **\$11.02**



The Beverley Model *Thorola AC 7*

A clever adaptation of the French. Something French is generally something "Ritzy," classy and just a little more elite. Here we have the large wall cabinet masterfully adapted to radio use. As the smaller picture depicts, the receiver is in the center, the speaker in the right hand twin cabinet. The other cabinet may be utilized for any purpose desired. At some later date, you might wish to install an electric phonograph which can easily be done.



The design itself is distinguished by boldly carved stretchers, distinctive overlays, and air brush blending in the rich mellow brown finish. The material is American walnut with beautiful burl grain doors. Door and leaf pulls in the accepted mode.

Deftly fluted and turned legs.

The console is 52 inches high, 57 1/4 inches wide and 20 inches deep. Each end cabinet measures inside 13x17x25 inches.

You are given a choice of two powerful Speakers, a sensitive Magneto Cone or a Power Dynamic reproducer. And now for a pleasing surprise—the price. Only the most fortunate arrangements permit us to offer this magnificent model at such an amazingly low cost. It is truly a remarkable bargain.

You will find detailed description of the great Thorola AC 7 on pages 4 and 5.



Two-Year Guarantee

No. 3R-1070. Set Complete with Magneto Cone Speaker, but less tubes. List, \$278.25. Your Special NET Price..... **\$150.25**

No. 3R-1071. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$307.90. Your Special NET Price..... **\$166.30**

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your NET Price..... **\$11.02**

The Regent Model Combination Phonograph-Radio *Thorola AC 7*

A masterpiece of the designers' art in bringing to your home a complete, powerful 7-tube AC radio receiver, a marvelous reproducer and an electric phonograph all in a magnificent compact console!

The design is one of simple grace bringing charm in pleasing proportions, deft tracings and tasteful use of woods. It is of American walnut in the soft natural brown finish with the doors in beautiful burl grain and a light overlay on drawer front. The drawer under receiver is convenient for records.

The electric phonograph consists of the famous Pacent non-inductive electric motor, tone arm and pick-up. The pick-up employs the audio system of the receiver for electrical reproduction of records through the speaker. This equipment is mounted on slide-out tray as illustrated and when not in use interferes in no way with the perfect reception of the receiver. A simple switch provides instant tripping from one to the other.

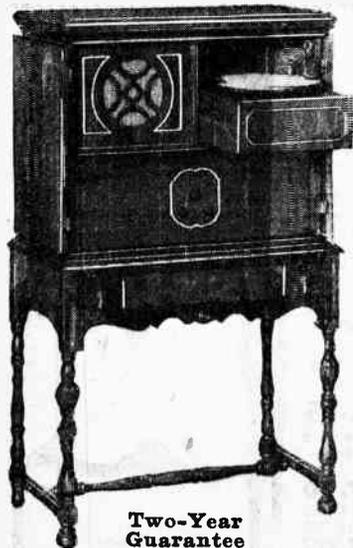
The console stands 54 inches high, 30 1/2 inches wide, 18 1/2 inches deep. The great Thorola AC 7 chassis, as described on pages 4 and 5 rests in a roller bearing tray which trundles forward for easy access.

We believe this easily the greatest value in the world in a fine combination radio-phonograph.

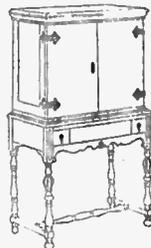
No. 3R-1072. Combination Set Complete as described with Magneto Cone Speaker, less tubes. List, \$249.25. Your Special NET Price..... **\$134.58**

No. 3R-1073. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$278.95. Your Special NET Price..... **\$150.63**

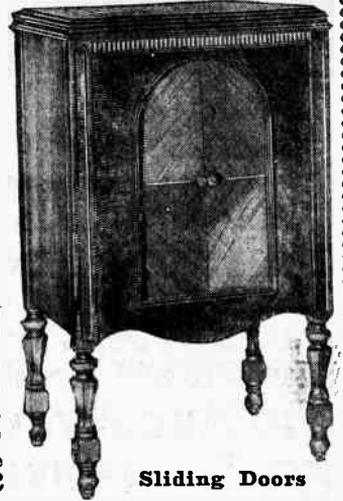
No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your NET Price..... **\$11.02**



Two-Year Guarantee



The Virginia Model *Thorola* AC 7



Sliding Doors

For those whose tastes favor plain, rich designs, this beautiful model should be the choice. There's an air of splendor about it—visions of great castles lavishly fitted. One is first impressed by the arched doors with their diamond grain, highlighted and plain knobs. The remainder of the front is in burl grain walnut. The top and ends are also in walnut all in a rich, velvety highlighted and shaded rubbed lacquer finish. On opening the doors the receiver with its rich bronze escutcheon and the oval pressed wood grille are exposed to view. The frieze in ribbed effect gives pleasing relief to the upper front. The top raises for easy access to the receiver.

The Console measures 37 inches high, 22 $\frac{1}{4}$ inches wide and 15 $\frac{1}{2}$ inches deep.

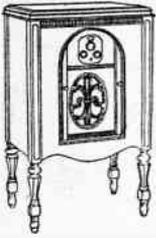
You are given a choice of a splendid Magnetic Cone Speaker or a Power Dynamic Reproducer, for which this pretty console forms a perfect acoustical setting.

The Receiver is the great Thorola AC 7, described in detail on pages 4 and 5. Not before in radio history has such a value in a fine radio receiver been offered, nor so amazing a guarantee placed behind it. See for yourself with no risk.

No. 3R-1054. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$136.50. **\$73.75**
Your Special NET Price.....

No. 3R-1055. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$166.25. **\$89.80**
Your Special NET Price.....

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one #80 rectifier). List, \$22.50. Your NET Price..... **\$11.02**



Two-Year Guarantee
15 Days FREE TRIAL

The Newcastle Model *Thorola* AC 7

Like a breath from Colonial days is this pretty little wall cabinet console. With its graceful turned legs and cross stretcher it bespeaks the reserve and simplicity of that hardy period. The applique carvings on the doors, the beading on the pilasters and the carved wood cross piece in front give a bit of dash to the trim neat lines of contour. A distinctive feature of this model is that the speaker and receiver compartments are interchangeable. You may have the speaker above or below, as you wish.

The material is choice walnut, with doors in striped grain black walnut. The grille panel is graceful in appearance and is decorated with beautiful overlays. The finish is noteworthy, being in lacquer, carefully shaded and hand rubbed.

The console stands 43 inches high, 24 $\frac{1}{2}$ inches wide, 16 inches deep, outside measurements. The back panels are removable for easy access to set and speaker compartments.

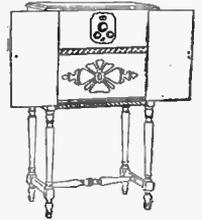
Together with the wonder Thorola AC 7 Receiver, this is truly a radio set of which you can always be proud. See complete description of this great receiver chassis on pages 4 and 5.

You may have a sweet toned Magnetic Cone Speaker or a powerful Dynamic Reproducer as listed below.

No. 3R-1056. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$131.90. **\$71.25**
Your Special NET Price.....

No. 3R-1057. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$161.60. **\$87.30**
Your Special NET Price.....

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your NET Price..... **\$11.02**



Two-Year Guarantee
15 Days FREE TRIAL



The Lawndale Model *Thorola* AC 7

Those who will only be satisfied with the finer things should choose this magnificent model. It is an actual faithful reproduction of an Italian design of about 1640 A. D.—a period of high art in fine furniture, craftsmanship and design. Only the choicest woods are used in its making, the dominant material being genuine figured walnut. The doors and drawer are in V-matched imported English Pollard Oak overlaid with heavy walnut scroll panels and ornamental wood mouldings. Solid brass knobs and pulls. The interior, with its majestic grille is quite as appealing in appearance as the exterior. The finish is a soft, antique brown, deftly highlighted and shaded in full justice to the richly grained woods. The base is ruggedly braced giving a sturdiness that means lasting life.

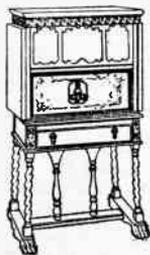
The console stands 50 $\frac{1}{2}$ inches high, 27 $\frac{1}{2}$ inches wide, 18 inches deep. The doors fold back flush with sides when opened.

The receiver is the great Thorola AC 7, the set for distance, tone quality, volume. See pages 4 and 5 for complete details.

No. 3R-1058. Set Complete with Magnetic Cone Speaker, but without tubes. List, \$185.35. **\$100.11**
Your Special NET Price.....

No. 3R-1059. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$215.00. **\$116.16**
Your Special NET Price.....

No. R-04198. Kit of Sonatron Tubes (four 226, one 227, one 171A and one 280 rectifier). List, \$22.50. Your NET Price..... **\$11.02**

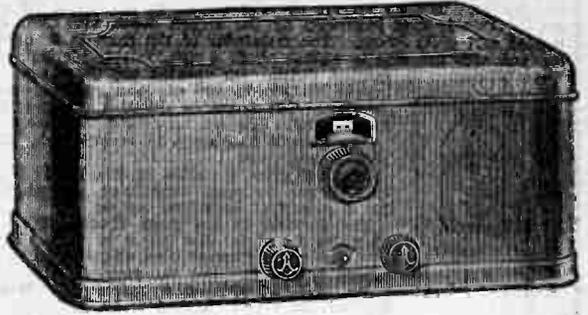


15 DAYS FREE TRIAL



Two-Year Guarantee

Thorola Shield Grid AC Power 8



Built Especially to Utilize the Great Amplifying Power of the Shield Grid Tube

The Receiver for Those Who Enjoy Bringing in Distant Stations with a Bang!

The Shield Grid Tube has proven a sensation in radio! It has five times the per stage amplification of the ordinary radio frequency tube. It has that uncanny power of reaching out far distances and bringing in the weakest signals. Stations that come in on ordinary sets in a whisper, come in full strength with a Shield Grid circuit.

Nor does it stop with power. It is clearer. It amplifies where amplification logically is needed—in the R.F. stages. No need for forcing the detector and audio divisions of the receiver. This makes for positive clearness, lifelike clarity and sweetness of tone.

All this, you get in the new Thorola Shield Grid AC Power 8.

Rugged Steel Shielding Chassis Insures Stability

It is built like a battleship, with an all-steel chassis that keeps all the instruments, inductances and controls in perfect alignment and working order. Moreover, the circuit is so sensitive that shielding is paramount. This great chassis proves a perfect shield against outside and internal coupling and electrostatic disturbances.

Push Pull Audio and Plug-In for Dynamic Speaker

Engineers are agreed that Push-Pull Audio Amplification, employing two 171 power tubes, is the greatest step toward making the radio receiver a real musical instrument. It is a feature of the most expensive sets. Of course, you find it in this super quality, highly developed THOROLA Shield Grid AC Power 8. Provision is made to hook the Dynamic Speaker directly into the receiver, without external lead, and when so purchased is thus equipped. From the highest to the lowest note in the musical scale, from the low bass to the soprano, you will be enthralled with the faithfulness of reproduction. There is absolute absence of distortion, just a powerful flow of perfect reproduction of the broadcast program.

Illuminated Single Control

There is only one tuning knob. The dial is illuminated, making operation easy and convenient as well as acting as an automatic signal to turn off the set when not in use.

A Receiver for All Time!

You may purchase this wonderful receiver in the full confidence that it will not go out of date. It is easily a year ahead in incorporating the very latest advancements in radio construction. It will last for years. You will always be proud and happy with it. No excuses. Always perfect satisfaction.

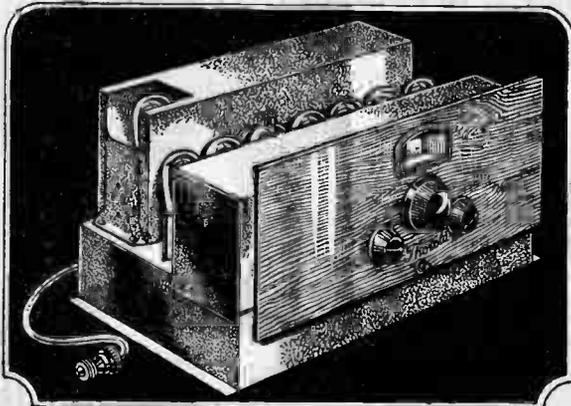
Perfected Balanced Circuit

You will be amazed at the velvety smoothness of operation. You glide into station after station, smoothly, sweetly, without disconcerting noises. This is testimony to the skill and experience that has gone into the design of the circuit and the precise accuracy with which every step of assembly is made.

Two-Year Guarantee

We know how good are the units and how perfect the operating qualities of the THOROLA Shield Grid AC Power 8. Therefore, we unhesitatingly guarantee each and every part against defect in workmanship and material for two years. All we ask is that you give it fair treatment. If, however, at any time within this period a defect should occur, write us at once for shipping instructions. If a defect is proven, we will repair or replace the parts and return to you without charge. There are no strings to this amazing guarantee. The only exception we make is that you do not abuse the set; nor can we be responsible for breakdowns from excessive voltages or other abuses.

Shows Rugged Steel Chassis



True AC Operation

This great receiver is thoroughly self-contained. There are no external power devices of any kind. Merely plug it into light socket, connect aerial and ground and you are ready to operate. You will observe the generously large power converter right on the back of the chassis. Eight tubes are employed: four 226, one 227, one 222, all AC, and 280 type rectifier.

The Price Is Not High

In this wonderful set you get features that have never before been offered at anywhere near our special prices. You might expect to pay double for all the refinements and advancements incorporated in it. Exceptional manufacturing facilities, volume and economical distribution afford huge savings which we pass on to our customers in our prices. Make comparisons. You will not match this amazing value. No. 1R-1099. THOROLA Shield Grid AC Power 8 Chassis Only, less tubes. List, \$125.00. Your Special NET Price..... **\$67.50**

The Calumet Model

Thorola Shield Grid 8

"What a beautiful console" says everyone on viewing this Calumet model. Its beauty of line, rich woods and soft finish may be fully appreciated on sight. It is



**15 Days
Free Trial**
(See Page 10)

made of choice genuine Black Walnut with matched butt grain on door and front panel. There is a rich Satinwood overlay around speaker grille. Antique pull. The front is relieved by tasteful tracings, flutings and deftly placed hand carvings. The legs are turned and strongly braced with cross stretchers. The finish is richly highlighted, shaded and rubbed lacquer, all the beauty of the grains brought out in the natural neutral brown shade.

Console stands 40 inches high, 32 1/4 inches wide, 15 1/2 inches deep.

The receiver is the ultra-powerful, sweet toned Thorola Shield Grid 8. For distance, keen selectivity and natural tonal quality, it is not surpassed. Detailed constructional data is given on page 10. Give it a 15 Day Free Trial. You will say it is even more than we claim for it.

You have a choice of a mellow toned Magnetic Cone or the super Power Dynamic Reproducer. The latter is especially fine speaker equipment for the powerful Push Pull audio amplification of this great receiver.

No. 3R-10103. Set Complete with Magnetic Cone Speaker, less tubes. List, \$194.90. Your Special NET Price..... **\$105.25**

No. 3R-10104. Set Complete with Power Dynamic Reproducer, less tube s. List, \$224.60. Your Special NET Price..... **\$121.30**

No. R-04198. Kit of Sonatron Tubes (three 226, one 227, two 171A, one 222 and one 280 Rectifier). List, \$29.50. Your NET Price..... **\$14.45**



The Gothic Model

Thorola Shield Grid 8



Another example of how cleverly today's designer draws inspiration from architecture and from the various old period designs, then fits it to the needs of good radio. The total result then is a distinctively modern design. Possessing distinction without over-ornamentation, it is an exceptionally handsome addition to any well fitted home. True Gothic influence is shown in the arched doors, overlaid with hand cut fretwork of contrasting woods. Scrutinize the richly moulded pilasters, the highlighted Satinwood frieze and the twisted legs. Faithful to the style, the console is both rugged in construction and slightly massive in its appearance.

The material is rich Black Walnut with choice butt grain on doors and front apron. The grille follows the motif of the front, arched panels with carved Struts. The finish is antique, a dark brown, hand rubbed lacquer, masterfully highlighted and shaded in keeping with the design.

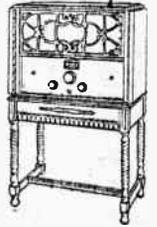
The console measures 50 1/2 inches high, 31 1/2 inches wide, 18 1/2 inches deep.

The Receiver is the famous Powerful Thorola Shield Grid 8 described in detail on page 10. You have a choice of speaker as listed. Try it for 15 days at our risk. We know what your verdict will be.

No. 3R-10105. Set Complete with Magnetic Cone Speaker, less tubes. List, \$214.90. Your Special NET Price..... **\$116.05**

No. 3R-10106. Set Complete with Power Dynamic Reproducer, less tubes. List, \$244.60. Your Special NET Price..... **\$132.10**

No. R-04198. Kit of Sonatron Tubes (three 226, one 227, two 171A, one 222 and one 280 Rectifier). List, \$29.50. Your NET Price..... **\$14.45**

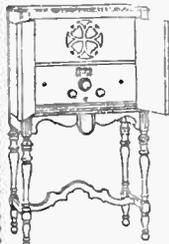


**15 Days
Free
Trial**

The Kildare Model

Thorola Shield Grid 8

This beautiful console is marked by a rich dignity of line and design that places it far above the ordinary class of radio cabinets. Note well the details of construction and finish;



**15 Days
Free Trial**

Dimensions: Width, 27 1/4 inches; set panel, 19x23 1/2 inches; height, 49 1/2 inches.

The smaller view gives but faint idea of the grace and symmetry of the speaker grille and panel front. The finish is soft, neutral brown walnut color, lacquer.

This beautiful cabinet forms a perfect setting for this great Thorola Shield Grid 8 receiver. Power beyond all ordinary needs, sweet natural tone, tremendous volume through Push Pull Audio amplification employing two 171 power tubes, noted for their exquisitely fine tonal output. With either speaker, you will be delighted with the results. Take advantage of the 15 Day Free Trial and see for yourself.

No. 3R-10107. Set Complete with Magnetic Cone Speaker, less tubes. List, \$192.00. Your Special NET Price..... **\$103.68**

No. 3R-10108. Set Complete with Power Dynamic Reproducer, less tubes. List, \$221.75. Your Special NET Price..... **\$119.73**

No. R-04198. Kit of Sonatron Tubes (three 226, one 227, two 171A, one 222 and one 280 Rectifier). List, \$29.50. Your NET Price..... **\$14.45**



The Great New
Advanced

COMMANDER

Stage Shielded
AC 9

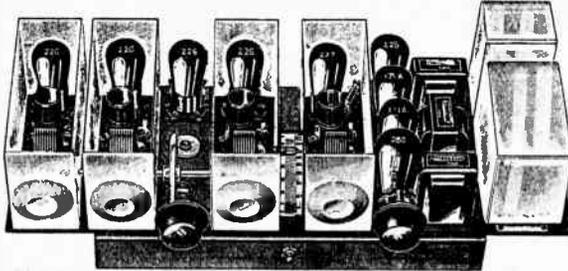
STAGE SHIELDS minimize inter-stage coupling and give better selectivity per circuit, with far greater PUNCH.

DOUBLE contact sockets insure good tube contact, which is most essential with A-C tubes.

Coils wound on GROOVED Bakelite give a dependable efficient inductance of unvarying value.

Condensers with WIDE air gap, thick BRASS plates, LONG bearings and heavy DIE CAST housing are sure to stay put.

A Receiver of Great Power Push-Pull Audio Amplification



Filter condensers of the FOUR paper type for the high potential circuit and with standard impregnation means virtual impossibility of breakdown.

THORDARSON transformer pack of ample capacity enables use of 171A tubes of FULL RECOMMENDED VOLTAGE.

Sub-panel of heavy gauge metal, CHANNEL design, is amply sturdy to support securely the various elements mounted on it.

Right angle vernier pinch drive of special design has NO possible BACKLASH, has proven trouble proof and is superior to cables, belts and gears.

One knob gets the station you want and the only other knob gives positive control of volume.

Vertical drum dial, calibrated in kilocycles, is illuminated when set is in use.

One of the Finest Radio Receivers Ever Made!

Here we have ideally combined the skill of the technical mechanic and the ability of accomplished radio engineers. This marvelous creation is the result of years of experience in building fine radio receivers. In its building have gone all the worthwhile developments of the past few years. It is characterized by no experimental devices, no fancy "gadgets" just to make talking points. In circuit design, in mechanical construction and electric assembly, it is unquestionably one of the most highly developed, carefully engineered, finest quality receivers ever offered to the American public. We unhesitatingly guarantee it to give absolute satisfaction under all operating conditions.

Marvelous Tone Quality

The audio amplification system consists of one stage of straight and one push-pull stage. Giant THORDARSON transformers are used—long known for their fine quality. You can see them in the illustration above. The result of this employment of push-pull and these splendid transformers, together with the use of the perfected 171A tubes, is tonal quality that is a delight to the most critical. There is a soft naturalness, a sure definition, a bell-like clarity that truly makes this a superb musical instrument.

The Sharpest Selectivity

Stage shielding plus carefully synchronized condenser rotors give a high degree of selectivity. The basis of the circuit is the space wound solenoid coil, now known to be the ideal inductance. Only a fraction of a degree turn on the dial will eliminate most stations. Even the most powerful may be cut out with one or two degrees. A receiver for the most congested districts. It will separate all stations and cut through the most powerful locals for distant reception.

Reaches Out Great Distances

There are four stages of stage-shielded radio frequency amplification! Compare this with the usual two stages and you can realize what great reserve power this marvelous set has. It is like a spirited 8-cylinder car! The faintest, far away signals are picked up, infinitely amplified through these four powerful stages and delivered to the detector. You will be amazed at the power. It logs perfectly, making station finding easy.

Simple One-Dial Control

Only two control knobs appear on the panel front—one for tuning, one for volume. The four highest quality variable condensers are mounted on one shaft. Tuning of these condensers is accomplished

by a clever, highly perfected vernier mechanism which gives smooth, even, easy control. Again, like the steering of a fine car which can be controlled almost by one finger!

A Steel Chassis Like a Battleship!

The entire assembly rests upon an all steel, rugged chassis base. All sockets, instruments and shields are permanently fastened to this base. Shakerproof lock washers are employed at every point, so that even after years of shipping and moving around, all parts remain firmly in place. This is an important feature, because even moving some receivers about the house, connections or units are jarred loose. But, never in a COMMANDER 9!

Latest, Most Sensitive Volume Control

This is an entirely new development and far superior to usual methods. It accounts for the highly sensitive control of volume. This method does not give the effect of "choking off," but a natural cutting down of the volume. This clever volume control is not affected by climatic conditions and always remains the same. It is a revelation to every one!

For Those Who Demand and Get the Best!

No expense has been spared at any point to make this as fine a receiver as knowledge, skill and means can construct. Only the finest materials go into its construction. And, only the most highly skilled, long experienced laboratory workers are employed in its building. One thought only has been behind its design and making and that is that it should be America's premier quality radio receiver.

True AC Operation

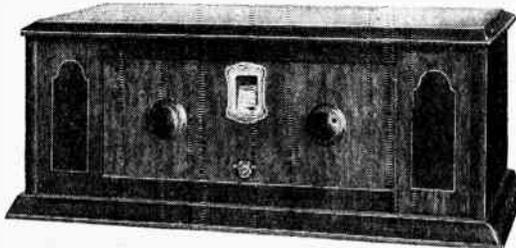
On insertion of tubes, connection of ground and aerial, simply plug the COMMANDER 9 into the light socket, snap the control switch and you are ready for tuning. The power supply is an integral part of the chassis, as shown in the illustration, there are no external units of any kind. It is entirely self-contained.

It employs the following AC Tubes: five 226, one 227, two 171A and one 280 type rectifier. The chassis measures 25 1/4 inches long, 10 inches deep and 7 1/2 inches high. Chassis may be purchased separately, if desired for special installation.

No. 3R-1093. COMMANDER Stage Shielded AC 9 Complete Chassis, less tubes. List, \$125.00.
Your Special NET Price.....\$73.50

Table Model

As the illustration implies, this is a superbly beautiful table model cabinet. It is made in a furniture factory known for its fine quality. It is made of choice genuine walnut. Prettily paneled front, beautifully shaded. The finish is a soft neutral brown, hand rubbed to a velvety smooth-



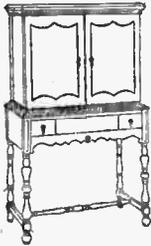
ness. The cabinet measures 29 1/2 inches long, 14 1/4 inches wide and 10 1/4 inches high. In its confines are the entire self-contained receiver. Only a speaker is needed.

No. 3R-1094. Table Model COMMANDER AC 9 Receiver Com-

plete, less tubes. List, \$147.50.
Your Special NET Price.....\$86.73

The Sheldrake Model

There's a stately grace and dignity to this elegant highboy model. Purely modern in its leanings, reflecting the popular trend. The severity of the plain top section is tastefully relieved by deft tracings in free hand shapes. The ends are paneled and properly shaded. The material is walnut with magnificent matched butt burl grain on doors. The finish is especially attractive, being hand-rubbed in clever shading to bring out the beautiful grain.



The overall size of the console: 54½ inches high, 33½ inches wide, 18 inches deep. Tear drop pulls on doors and the make-believe drawer. The doors swing back flush with sides when opened.

15 Days
Free Trial

This is the kind of design that grows upon the pride of possession increasing over

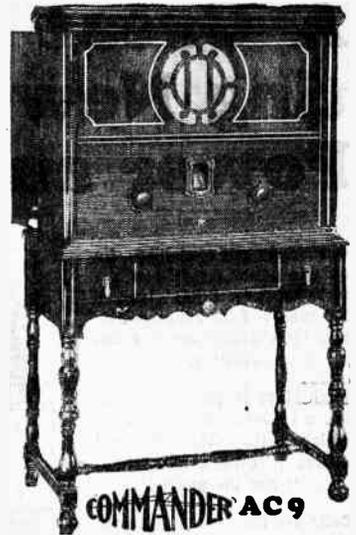
the years. It is a perfect setting for the great Commander 8. This is a proven receiver, the result of years of experience in the field of good radio. It is powerful. It has superb tone quality. It is easy to tune. It gets all there is in the air and reproduces it with volume and sweet clarity. Try it for 15 days at our risk. You will never part with it, once it is in your home. A detailed description of the chassis is given on page 12.

Compare our prices! Look the world over and quality for quality you will not match them! We are in daily touch with the markets and the latest engineering developments. You get the latest at the lowest possible price!

No. 3R-10109. Set Complete with Magnetic Cone Speaker, less tubes. List, \$223.75.
Your Special NET **\$120.83**
Price.....

No. 3R-10110. Set Complete with Power Dynamic Reproducer, less tubes. List, \$253.50.
Your Special NET **\$136.88**
Price.....

No. R-04201. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280). List, \$28.00. Your NET **\$13.72**
Price.....



The Blackstone Model

These are indeed delightful days in which we live! Imagine this magnificent piece of furniture housing the greatest scientific wonder of all ages, all within the grasp of the average home.

You will not appreciate this amazing value until you have seen the console and tried the receiver. The design is a modern adaptation of various periods, wrought in the finest American Black Walnut. The door and front panel are set off with beautifully matched butt grain. The speaker is accentuated by Satinwood overlay around the eight-sided grille. The finish is particularly noteworthy being finely highlighted, shaded and hand rubbed lacquer. Antique Knob on the drop leaf which acts as arm rest in tuning.

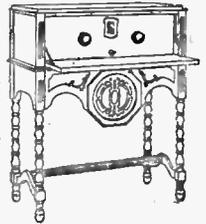
The console measures 40 inches high, 32½ inches wide, 15½ inches deep.

The Receiver is the great Commander 9 with Push-Pull Audio—the greatest development during the past year in the sci-

ence of electrical reproduction. It employs two 171A power tubes, noted for their beautiful tonal output. You

have a choice of a sweetened Magnetic Cone Speaker or a powerful Dynamic Reproducer each of which gives splendid results. The Dynamic, of course, is superior.

Try this wonderful set 15 days entirely at our risk. You will then see that our claims for it are really modest.

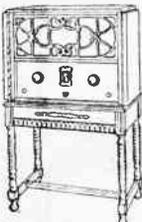


15 Days
Free Trial

No. 3R-10111. Set Complete with Magnetic Cone Speaker, less tubes. List, \$210.15. Your Special NET Price..... **\$113.50**
No. 3R-10112. Set Complete with Power Dynamic Reproducer, less tubes. List, \$239.90. Your Special NET Price..... **129.55**
No. R-04201. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280). List, \$28.00. Your NET Price..... **\$13.72**

The Dearborn Model

Here is the opportunity to enjoy the finest radio has to offer without extravagant outlay of money. This beautiful Gothic Model Console is a masterpiece of the designers' art. It presents a most distinguished appearance and will grace the most sumptuously fitted home. It is distinguished by the Gothic arches embellished with hand carvings and fretwork. The frieze is in Satinwood overlay. The legs are turned in a close twist. The front apron is set off with carving and horizontal fluted cross piece. The plasters beside doors are richly carved. The doors fold flush with sides when opened exposing the panel front of the receiver and the wide Gothic Strutted grille.



15 Days
Free Trial

There is an air of massiveness and reserved splendor to this rich design that endears it to lovers of fine furniture. It stands 50½ inches high, 31½ inches wide, 18½ inches deep. The finish is hand rubbed, highlighted and shaded lacquer.

The Receiver is the super power Commander 9 described in detail on page 12. It is a set of exceptional distance getting qualities and sweet tone quality. Try it for 15 days at our risk; see and hear for yourself.

No. 3R-10113. Set Complete with Magnetic Cone Speaker, less tubes. List, \$230.20. Your Special NET **\$124.30**
Price.....

No. 3R-10114. Set Complete with Power Dynamic Reproducer, less tubes. List, \$259.90. Your Special NET Price.... **\$140.35**

No. R-04201. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280). List, \$28.00. Your NET **\$13.72**
Price.....



A Great New Receiver — Setting New Standards in Range, Power and Musical Expression

Completely self contained. No outside power units or devices of any kind. Uses 8 AC tubes: Four 226, one 227, two 171A power and one 280 rectifier.

Each stage shielded, eliminating all inter-stage coupling, giving better selectivity and adding to the amplification. It has the punch!

Coils are the proven solenoid, space wound on grooved bakelite tubes. The most reliable, unvarying inductance known to radio.

Finest quality variable condensers. Wide air gap. Thick brass plates. Long bearings and die cast housing insures permanent alignment and rigidity.

A receiver of super power. There are three stages of highly efficient radio frequency amplification. Stations thousands of miles away may be often heard just like locals! You will be amazed at how the stations "roll" in, one after another, many that you never knew existed. It is a thrill to tune it! All this is accomplished through the employment of proven units, and only skilled laboratory experts build and test it. There has been no trimming on parts to quote a low price.

All Electric Operation

This is a true AC operated receiver, using AC tubes. The power unit which rectifies the 110 volt, 60 cycle, AC house supply, is built right onto the chassis. It is permanent, requires no adjustments or attention. Just plug into light socket and forever forget the power question.

No Bothersome AC Hum

Even when the set is silent, there scarcely is a hint of the AC hum from the lighting circuit. In operation, the ear cannot detect a single ripple. This is accomplished by a super quality power pack, incorporated in which is a filtering system that effectively damps out all this annoying hum.

Illuminated One-Dial Control

The tuning condensers are rigidly mounted all on one shaft, controlled by one tuning knob on the panel. You have never experienced such easy, smooth control before. No squeals and howls. Just a rush of power and in comes the station.

All Steel Chassis—Stage Shielded

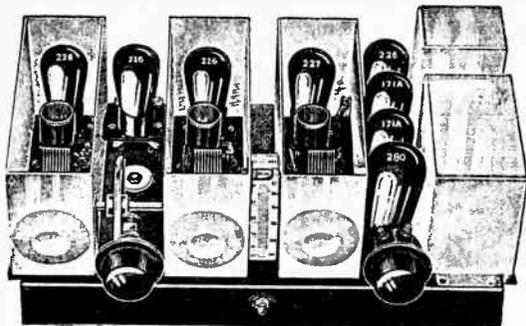
The entire assembly of units is on one heavy steel base. The wiring is all underneath. Shakeproof, lock washers are used, so that all mountings are permanent. They will not rattle or become loose. Each stage of radio frequency amplification is thoroughly shielded in a separate shield. There can be no interstage coupling. There are no losses, no eddy currents to choke off the great power.

Beautiful Tone Quality

The advanced Push Pull audio system is used. There are two stages of large genuine Thordarson transformer coupled audio amplification. Two 171A tubes are used, insuring great volume. No matter at what point the volume control is set, the reproduction is always as clear as a bell, natural, uncanny in its lifelike production.

Scientific Volume Control

AC tubes are very sensitive. They require the most careful regulation to insure the best results. The engineers have worked out a perfect volume control. This is a tapered wire wound type that never varies. Just the slightest turn of the knob effects a noticeable change. The control is not affected by climatic conditions, is always reliable and stable in its operation. This is an important point and should be noted in the purchase of an AC set.



COMMANDER

Stage Shielded AC 8

Thordarson Audio Transformers, in push-pull, employing two 171A power tubes, noted for their clear, beautiful output. A mark of quality found on only the most expensive sets.

Vertical Drum Dial, calibrated in kilocycles, illuminated when set is turned on.

Only one tuning control. Easy to tune. Glides into one station after another, with only a rush of power—no noises.

New tapered Volume Control. A big improvement. Not affected by moisture or climatic conditions. Sensitive. Positive. Never failing.

Dimensions of Chassis

The steel chassis, complete with all units permanently mounted, measures 18½ inches long, 10 inches deep and 7¼ inches high. It will fit into almost all standard consoles.

Wholesale Price List

No. 3R-1097. COMMANDER A-C 8 Chassis only, less tubes. List, \$90.00. Your Special NET Price..... **\$52.92**
 No. 3R-1098. Moderne Metal Chest Model Set Complete, less Tubes. List, \$95.00. Your Special NET Price..... **\$55.86**
 No. 1R-33107. Wrought Iron Stand in black and gold finish; height, 28½ in.; length, 20 in.; depth, 13¼ in. Matches chest. List, \$12.75. Your Special NET Price..... **\$7.50**
 No. 1R-33108. Wrought Iron Upholstered Bench to match. Height, 19 in.; width, 23 in. List, \$12.25. Your Special NET Price..... **\$7.20**

Moderne Metal Chest

Wrought Iron Stand and Upholstered Bench



The Pensacola Model

The ultimate in compactness in a fine radio receiver. It reflects the latest developments in the radio art. Great power, never before accomplished, beautiful tone quality that is a revelation, uncanny distance getting qualities and a fine quality reproducer and console.

The general design of the console takes its inspiration from the old Spanish chests. It has been cleverly refined and simplified according to the mode of the day. The material is walnut with genuine matched burl walnut grain on the front of the drop leaf. This acts as a convenient arm rest in tuning. The front is richly set off with a carved moulding above and below the drop door. The speaker grille is especially attractive, being in fan shape and the panel is neatly traced to the contour. The legs are expertly turned and firmly braced with cross stretcher. The entire cabinet is distinguished by good cabinet work. It stands 40 inches high, 25 1/2 inches wide, 18 inches deep. The finish is of superior quality, clear and lasting and brings out the rich brown color of the wood to the best advantage.

Take advantage of our 15 Days Free Trial offer to test this wonderful receiver in your own home. Match it against any receiver you know. For general stability, ease of

operation, distance, tone quality, make whatever comparison you wish. If after two weeks, you are not delighted with it, you are privileged to return it and have your money refunded. There are no strings to this offer. You are the sole judge. It is entirely up to you.

In this model, you are given a choice of a sweet toned Magnetic Cone Speaker or a Power Dynamic Reproducer. We especially recommend the latter as being a marvel for great, undistorted, sweet clear volume. It is not to be confused with many of the Dynamics on the market. It has no "barrel" effect. It is simply faithfully natural in its output.

No. 3R-1080. Pensacola Model, COMMANDER AC 8, Complete with Magnetic Cone Speaker, less tubes. List, \$158.15. Your Special **\$85.41**
NET Price.....

No. 3R-1081. Pensacola Model, COMMANDER AC 8, Complete with Power Dynamic Reproducer, less tubes. List, \$187.90. Your Special **\$101.46**
NET Price.....

No. R-04197. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280 rectifier). List, \$38.00. **\$18.62**
Your NET Price.....



AC 8

15 Days Free Trial



The Ardmore Model

The most modestly situated home may now enjoy the beauty and thrill of a fine radio set. Not in the history of mankind has any luxury come to the people for so little outlay for its enjoyment. This wonderful little console model of the great COMMANDER A-C 8 is a wonderful example of how we have tried to do our part in this respect.

The console is strictly modern American in its mode. It is the work of skilled furniture craftsmen. Made from choice American walnut with imported fancy wood overlays on the drop door and front apron. Beneath the door and the grille panel are attractive mouldings. The grille is exceptionally handsome in design, suggesting, in its contour, the harp—suggestive of the sweet music that comes through it. The legs are neatly turned and firmly braced. The finish is a lasting hand rubbed lacquer in soft neutral shaded brown that harmonizes with all surroundings. The console stands 37 inches high, 21 1/4 inches wide and 15 inches deep.

You are given a choice of a mellow toned Magnetic Cone or a Power Dynamic. Either will give delightful reproduction. We especially recommend the Dynamic as being the most popular type of speaker and certainly a great advancement in speaker design.

Try this wonder receiver 15 days at our risk. See for yourself that it is even more than we claim. See page 14 for complete details of construction of the great COMMANDER AC 8 chassis. It is entirely self-contained. A true AC receiver, using the new AC tubes throughout. Just plug it into light socket.



15 Days Free Trial

No. 3R-1082. Set Complete with Magnetic Cone Speaker, less tubes. List, \$142.35. Your Special NET **\$76.90**
Price.....

No. 3R-1083. Set Complete with Power Dynamic Reproducer, less tubes. List, \$173.50. Your Special NET **\$93.70**
Price.....

No. R-04197. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280 rectifier). List, \$38.00. **\$18.62**
Your NET Price.....

Ravenswood Model COMMANDER AC 8

A snappy, compact little console model at a most amazing price! One of the best values we have ever known. It is a sturdy little cabinet, the work of skilled cabinet makers—made in Grand Rapids, the home of fine furniture making. It is made of American walnut. The

doors are decorated on corners with Birdseye Maple overlays and composition carvings in centers. When opened, the doors fold back flush with sides, enhancing the appearance of the attractive front apron. The legs and stretchers are beautifully proportioned turnings. The back is framed and paneled and will never warp out of shape. The smaller illustration reveals the beauty of the speaker grille which is of the arched type, beautified by the application of split turnings and carvings. The finish is lacquer, carefully shaded and hand rubbed to bring out the natural beauty of the wood grain.

15 Days Free Trial

The console stands 46 inches high, 25 1/2 inches wide and 17 inches deep.

The receiver is the ultra powerful COMMANDER AC 8. This is an entirely self-contained set, there being no external power devices. It employs the new AC tubes. It plugs directly into light socket and requires absolutely no attention.

Try this great receiver at our risk for 15 days according to our liberal offer explained on page 14, where you will also find complete details of the wonderful COMMANDER AC 8 chassis. In this way, you can test it in your own home, the place you want it. You will never regret the purchase of this fine set. It will last a lifetime with the right kind of usage. It is a set of no apologies. Sweet toned. Powerful. Reaches great distances. Never troubles. Never fails you. It is all that a good receiver should be.

No. 3R-1084. Set Complete with Magnetic Cone Speaker, less tubes. List, \$168.70. Your Special NET **\$91.13**
Price.....

No. 3R-1085. Set Complete with Power Dynamic Reproducer, less tubes. List, \$198.45. Your Special NET **\$107.18**
Price.....

No. R-04197. Kit of Sonatron Tubes (five 226, one 227, two 171A and one 280 rectifier). List, \$38.00. **\$18.62**
Your NET Price.....



Thorola 6-Tube DC Receiver for Battery Operation

A Set of Great Power—3 R. F. Stages

For those who do not have alternating current electric supply in their homes, we here offer a super-power battery operated Thorola Receiver.

Because of its design and highly developed circuit, this wonderful receiver has as much pick-up and volume as many 8-tube sets. There are three stages of highly efficient radio frequency amplification, detector and two stages of transformer coupled audio amplification. The tubes required are: five 201A, and one 112A power tube for the last audio. If desired, a 200A power detector may be used in the detector socket and a 171 or 171A in the last audio. We recommend the 201A for the detector and 112 for the output audio.

A TRULY BALANCED CIRCUIT

The circuit is perfectly balanced and the tuning is controlled by a single knob. The dial is illuminated. There are no annoying squeals and howls in tuning. It simply slides right into resonance with a rush of sweet power. There are no fancy gadgets or controls to bother with. The operation is simplicity itself.

RUGGED CONSTRUCTION

Although extremely low in price, this is a real quality receiver. It is made up of the best quality parts and ruggedly mounted on a heavy bakelite sub-panel. The solenoid coil is used as inductance, the coil proven best for radio use. A cable six feet long is provided for all connections to batteries.

THE KEENEST SELECTIVITY

The careful arrangement of circuits and units with precision construction, insures against any interstage coupling, making for the keenest selectivity. It is easy to separate the most powerful stations with a slight turn of the dial. Nor is there crowding on the dial. The efficiency throughout the wavelength band is equal.

FULLY GUARANTEED

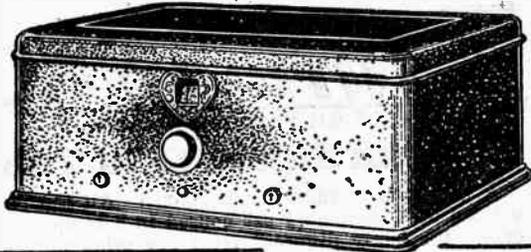
We stand squarely back of the THOROLA D-C 6 with our unconditional guarantee of complete satisfaction. We know how good it is. Just try it. Then, if for any reason you are not satisfied, we will replace, exchange or refund your money.

WHOLESALE PRICE LIST
No. 3R-1074. Moderne Metal, two tone Chest Model, illustrated below; size, 19 inches long, 12 inches wide, 9 inches high. Set Complete, less tubes. List, \$44.15. **\$23.85**
Your Special NET Price.....

No. 3R-1075. Chassis Only, less tubes. **\$19.35**
List, \$35.85. Your Special NET Price.....

No. 3R-1103. Kit of accessories for Power Tube equipment. Consists of five 201A and one 112A Sonatron Tubes, one 6-volt 100-ampere hour Vitalio Storage battery, three 45-volt "B" batteries, one 7½-volt "C" battery and one Special Aerial Kit. Nothing else to buy except loud speaker. List, \$35.75. **\$17.88**
Your NET Price.....

No. 3R-1104. Kit of accessories for Regular Tube equipment. Consists of six Sonatron 201A tubes, one 6-volt 100-ampere hour Vitalio Storage battery, two 45-volt "B" batteries, one 4½-volt "C" battery, one Special Aerial Kit. Nothing else to buy except loud speaker. List, \$31.50. **\$15.67**
Your NET Price.....



The Dorchester Model Thorola DC 6

This charming little console makes a fitting setting for this splendid receiver. It is a most pleasing modern design, following the vogue of adapting features from various periods and fitting them to the utility of radio. It is constructed of choice American walnut, with imported fancy wood overlays on the drop door and front apron. A fancy moulding below door and speaker grille add an attractive touch. The grille in harp design is suggestive of the sweet music which flows through it. The

legs are neatly turned and firmly braced with strong cross stretcher. The finish is soft, brown lacquer, very pleasing.

The console stands 37 inches high, 21¼ inches wide and 15 inches deep. There is sufficient space in the speaker compartment for the necessary batteries and chargers.

You will always be proud of this splendid console receiver and it will give you years of splendid satisfactory service.

Wholesale Price List

No. 3R-1076. Set Complete with Magnetic Cone Speaker of fine quality, less tubes and batteries. List, \$78.25. **\$42.25**
Your Special NET Price.....

(See kits of accessories under first listing on this page.)

The Maywood Model Thorola DC 6

Here we have the orthophonic type console which permits of the use of an air column horn, as well as providing space for batteries and chargers. The design is modern but copied from the Colonial period. It is very tasteful and dignified in appearance and will grace any home. It is made of choice American walnut, with special two-tone decorative finish as indicated in the illustration. It stands 42½ inches high, 31½ inches wide and 18½ inches deep. The top is hinged for easy access to the receiver. The fall leaf acts as a comfortable arm rest in tuning. We call especial attention to the beautiful grille, backed by silk cloth filling. This is a very popular model.

Wholesale Price List

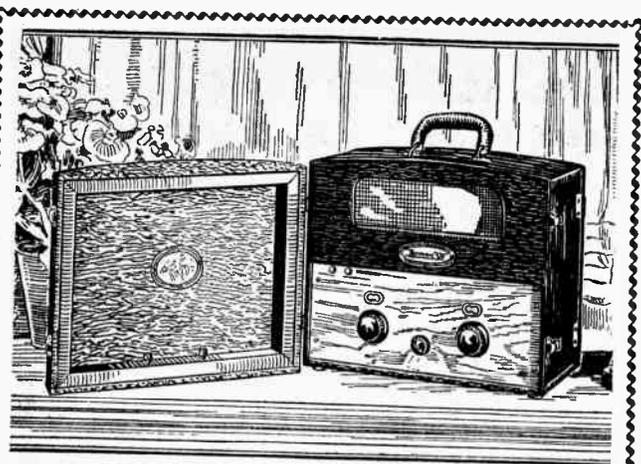
No. 3R-1077. Set Complete with Magnetic Cone Speaker but without tubes or batteries. List, \$100.15. Your Special NET Price..... **\$54.10**

No. 3R-1078. Set Complete with 120-Inch Air Column Speaker, less tubes and batteries. List, \$107.90. Your Special NET Price..... **\$58.29**

No. 3R-1079. Set Complete with Power Dynamic Speaker, less tubes and batteries. List, \$126.80. Your Special NET Price..... **\$68.48**

(See kits of accessories under first listing on this page.)





Tyrman "50"

All Purpose Radio

With Shield Grid Tube

A new step in radio development! All the power and volume of a stationary set housed in a compact, portable case. Distinctly different from any other portable radio set you have ever known, because it has as its basis the shielded grid tube. Eight times the amplification of the ordinary r.f. tube. Power, volume, sensitiveness that are beyond the scope of ordinary radio receivers.

Made by the same distinguished engineers who introduced the shielded grid tube to the American market. Not an experiment, but an adaptation of a proven idea in radio perfection.

The most pleasant surprise in this marvelous new set is the price. One would think this an outstanding value at \$25 more!

The circuit employs five tubes incorporating the revolutionary Tyrman shielded grid system. Employs one Shielded Grid Tube, and four 199 type tubes. Two stages of Tyrman audio, equal in quality to the famous TYRMAN "72"! The loop is built into the hinged cover. All wires are invisible and all connections are permanently inbuilt. There are two control knobs and window dials with artistic escutcheons. The small knob is to regulate volume.

The case is strikingly beautiful with dome top and is covered with the finest quality Shark grain, dark brown artificial leather—matches the finest luggage. It measures 12½ in. high, 14½ in. wide, and 8½ in. deep. Completely equipped, it weighs only 26 pounds. The trimmings are in antique brass.

The tone chamber is notable, giving an extra long air column. Fitted with Utah unit, insuring the sweetest, strongest reproduction.

The accessories required are: 1 Shielded Grid Tube, 4 199 type tubes, 2 45-volt (Burgess 5308) "B" batteries, 3 Dry Cell "A" batteries, 1 "C" (Burgess 5360) battery.

Compare the TYRMAN "50" with other portable radio receivers. Tune it. Its astounding operation wins you instantly.

No. 2R-1033. Set only, no accessories. List, \$64.50. Your NET Price... **\$37.93**

No. 2R-1034. Set complete with all accessories (One Shieldplate and Four Sonatron 199 tubes, Burgess batteries.) List, \$86.90. Your NET Price... **\$51.31**

No. 2R-1035. Set complete with all accessories (Cunningham tubes and Burgess batteries.) List, \$86.90. Your NET Price... **\$53.71**



HYATT

MODEL "DELUXE"

for Particular People

Known everywhere as the most reliable of portables. It employs a time-tried 6-tube circuit of great power. In performance it is truly amazing and reports from users indicate a wide range of reception and reproducing qualities.

The case is ruggedly built and covered with fine quality brown artificial leather. Model "A" has a richly embossed loop panel in gold relief ship design. It measures only 11 inches high, 14 inches long and 9 inches deep. Weighs, complete with equipment, just 28 pounds and without accessories, 15 pounds.

The speaker unit is of the giant size so that enormous volume, without distortion, is accomplished. Full 10-inch throat horn. Employs three stages r.f., detector and two stages audio.

The equipment used is: Six 299 type tubes; three 1½ volt "A" batteries; two 45-volt "B" batteries and one ¼ volt "C" battery.

No. 2R-1015. De Luxe Model "A." Set only, no accessories. List, \$75.00. Your NET Price... **\$44.10**

No. 2R-1016. Set Complete with All Accessories, Burgess batteries and Sonatron tubes. List, \$95.40. Your NET Price... **\$55.87**

No. 2R-10100. Same as 2R-1016 but with Cunningham tubes. List, \$95.40. Your NET Price... **\$58.52**

No. R-4675. Antenna Coupler for Adapting to Outside Antenna, increasing DX range to 300-500 miles. List, \$3.50. Your NET Price... **\$2.06**



HYATT Music Box

Similar to above, except with only 5-tube circuit and somewhat different case. Employs five 199 type tubes. Cabinet closed is 17½ inches long, 11 inches high, 6¼ inches wide. Weighs complete, 28 pounds.

No. 2R-1031. Hyatt Music Box, without tubes or batteries. List, \$60.00. Your NET Price... **\$35.28**

No. 2R-1032. Complete with all batteries (Burgess) and Sonatron tubes ready to operate. List, \$78.15. Your NET Price... **\$45.95**

No. 2R-1011. Same as 2R-1032 but with Cunningham tubes. List, \$78.15. Your NET Price... **\$48.16**

The Trav-Ler

Nationally known as one of the most popular of portable radio sets. Employs a proven 5-tube circuit. Single dial, control, spring base sockets, built-in speaker and loop aerial; two stages of audio; phone jack; Jones plug and cable so that outside battery and eliminator power can be used when desired; binding post for antenna and ground also. Weighs only 23½ pounds complete.

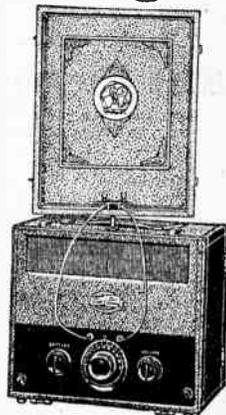
Rugged case covered with genuine black Moroccan. Cover richly embossed in gold. Gold plated fittings. Size of case closed: 8½x10x12½ inches.

Accessories required are: Five 199 type tubes, 3 Dry Cell "A" batteries, 2 Burgess 5308 45-volt "B" batteries, 1 ¼ volt "C" battery.

No. 2R-1011. Set only, without accessories. List, \$57.50. Your NET Price... **\$33.81**

No. 2R-1012. Set Completely Equipped with Sonatron tubes and Burgess batteries. List, \$75.65. Your NET Price... **\$44.48**

No. 2R-10102. Same as 2R-1012, but with Cunningham tubes. List, \$75.65. Your NET Price... **\$46.69**



Radio Convenience Outlets for the Right Installations

All Fit Standard Electric Outlet Box

Carter

A-C Set Plate

Two Tip Jacks with "Imp" plugs for Aerial and Ground connections. A 1/4 inch hole cut for standard electric receptacle. (No receptacle furnished.)

No. R-2864. Plain Brass. List, \$1.00. Your NET **59¢**

No. R-2865. Brown Bakelite. List, \$1.25. Your NET Price **73¢**

No. R-2866. Statuary Bronze (Illustrated). List, \$2.25. Your NET Price **\$1.32**

Aerial-Ground

Two Tip Jacks and "Imp" Plugs with nameplates "Aerial" and "Ground."

No. R-2867. Plain Brass. List, 90c. Your NET **53¢**

No. R-2868. Brown Bakelite. List, \$1.15. Your NET Price **68¢**

No. R-2869. Statuary Bronze (Illustrated). List, \$2.25. Your NET Price **\$1.32**

"Radio" Plate

For loudspeaker; short jack takes standard phone plug.

No. R-2870. Plain Brass. List, 80c. Your NET **47¢**

No. R-2871. Brown Bakelite. List, \$1.05. Your NET **62¢**

No. R-2872. Statuary Bronze (Illustrated). List, \$2.00. Your NET Price **\$1.18**

Volume Control Plate

Fitted with short jack to take standard phone plug. Also has Carter "Hi-Ohm" Volume Control. This permits critical control of volume at point of outlet.

No. R-2873. Plain Brass. List, \$2.75. Your NET **\$1.62**

No. R-2874. Brown Bakelite. List, \$3.00. Your NET Price **\$1.76**

No. R-2875. Statuary Bronze (Illustrated). List, \$4.25. Your NET Price **\$2.50**

"Speaker" Plate

Fitted with two Tip Jacks and nameplates "Speaker." Takes phone tips. This is a very popular style plate.

No. R-2876. Plain Brass. List, 60c. Your NET **35¢**

No. R-2877. Brown Bakelite. List, 85c. Your NET **50¢**

No. R-2878. Statuary Bronze (Illustrated). List, \$2.00. Your NET Price **\$1.18**

YAXLEY PLATES

For Loudspeaker

Makes it possible to place radio set in one room and enjoy reception in another part or parts of the building. Wired in series or parallel, as set equipment requires. A number of them may be used on one set.

No. R-2879. Brass. List, \$1.00. Your NET **59¢**

No. R-2882. Bakelite. List, \$1.25. Your NET **73¢**

Aerial and Ground

Aerial and ground wires are brought to outlet behind the sash and then lead to set through phonetip plugs which are furnished with this outlet. Choice of brass or black Bakelite plate.

No. R-2879. Brass. List, \$1.00. Your NET **59¢**

No. R-2881. Bakelite. List, \$1.25. Your NET **73¢**

For Battery Connections

A seven conductor plate, complete with plug as shown. Plate insulated from Jack. Easily installed; complete wiring diagrams furnished. Brass or black Bakelite plate.

No. R-2828. Brass. List, \$2.50. Your NET **\$1.47**

No. R-2850. Bakelite. List, \$2.75. Your NET **\$1.62**

Porcelain Insulators



No. R-1239. Small Brown Porcelain Insulator, 2 1/2 in. long; a big seller. List, 10c. Your NET Price **6¢**

R-1241. Large Brown Porcelain Insulator, 3 in. long. List, 15c. Your NET Price **9¢**

Hard Rubber Insulators

No. R-1240. Rubber Insulator, 2 1/2 in. long, with reinforced steel rings. List, 10c. Your NET Price **6¢**

Glass Insulators

No. R-1242. Glass Insulator. High Quality. List, 10c. Your NET Price **6¢**

PORCELAIN TUBES

No. R-1243. Porcelain Tubes 6 in. long for lead-ins. List, 10c. Your NET Price **6¢**

Wall Mount Insulators

No. R-1257. With 3 in. long screw. List, each, 10c. Your NET Price **6¢**

No. R-1258. With 1 7/8 in. long screw. List, each, 14c. Your NET Price **8 1/2¢**

Split Nail Knobs

No. R-1244. Porcelain Nail-Ons. For wall use, complete with nail. List, 5c. Your NET Price **3¢**

Wirt Radio Wall Insulator

Provides proper insulation for lead-in wire. Galvanized extension about 6 inches long. Brown porcelain insulator. No. R-1283. List, each, 35c. Your NET Price **21¢**

Porcelain Strain Insulator

For installing extra long aerials or guy wires. Extra strong. Brown. No. R-1284. List, each, 35c. Your NET Price **5 1/2¢**

FOR A-C SETS

Fitted complete with standard A-C convenience outlets as illustrated below. Fits standard electric outlet boxes.

Aerial-Ground Duplex A-C Receptacle

No. R-2879. Type 241—Brass. List, \$2.00. Your NET **\$1.18**

No. R-2880. Type 241B—Bakelite, only one A-C outlet. List, \$2.75. Your NET **\$1.62**

Loudspeaker Duplex A-C Receptacle

No. R-2881. Type 242—Brass. List, \$2.00. Your NET **\$1.18**

No. R-2882. Type 242B—Bakelite, only one A-C outlet. List, \$2.75. Your NET **\$1.62**

Speaker Aerial Ground Duplex A-C

No. R-2883. Type 353—Brass. List, \$3.00. Your NET **\$1.76**

(Not furnished in Bakelite)

GANG PLATES

No. R-2838. Type 235. For two loudspeaker connections. Polished Brass. List, \$2.00. Your NET Price **\$1.18**

No. R-2839. Type 238. For Loudspeaker, Aerial and Ground. Polished Brass. List, \$2.00. Your NET Price **\$1.18**

No. R-2840. Type 239. For Aerial and Ground and Battery Connections. Includes plug, as shown in cut R-2828. Polished brass. List, Complete, \$3.50. Your NET Price, **\$2.06**

No. R-2841. Type 350. For Loudspeaker, Aerial and Ground and Battery Connections. Complete with plug. Polished brass. List, Complete, \$4.50. Your NET Price **\$2.65**

BURGESS Chrome BATTERIES The Ideal Radio Dry Batteries



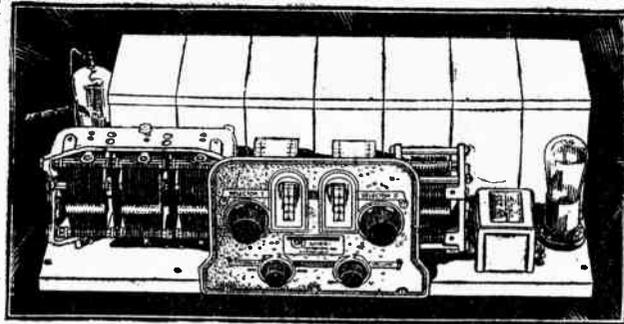
Our Stock No.	Factory No.	Type of Battery	Voltage	Dimensions Length Width Height	Retail Price	Net Pkg. Price Each Unit	Net Price Each Unit	Net Price Each Unit
R-0642	21308 V	Vertical "B"	45	4 1/2 x 8 1/2 x 7 1/2 in.	\$4.25	5	\$3.20	\$2.97
R-0649	22308 V	Vertical "B"	45	3 1/2 x 7 1/2 x 7 1/2 in.	2.95	6	2.22	2.06
R-0641	10308 V	Vertical "B"	45	4 1/2 x 8 x 7 in.	3.75	6	2.81	2.63
R-0640	2308 V	Vertical "B"	45	3 1/2 x 8 1/2 x 7 in.	2.50	6	1.88	1.75
R-0637	2158 H	Vertical "B"	22 1/2	4 1/2 x 3 1/2 x 7 in.	1.75	5	1.31	1.17
R-0636	5156 H	Horizontal "B"	22 1/2	6 3/4 x 4 x 3 in.	1.50	5	1.13	1.05
R-0635	4156 H	Horizontal "B"	22 1/2	4 1/2 x 2 1/2 x 2 1/2 in.	1.25	5	.94	.87
R-0643	5360 F	Flat "C"	4 1/2	2 7/8 x 1 1/2 x 2 1/2 in.	.40	5	.30	.28
R-0644	2370 F	Flat "C"	4 1/2	4 x 1 1/2 x 2 in.	.50	5	.38	.35
R-0645	5840 F	Flat "C"	7 1/2	4 x 1 1/2 x 2 1/2 in.	.50	5	.38	.35
R-0638	5156 H	Horizontal "C"	22 1/2	4 1/2 x 2 1/2 x 2 1/2 in.	1.50	5	1.13	1.05
R-0634	No. 6	Dry Cell "A"	1 1/2	1 1/2 x 2 1/2 x 6 in.	.5	50	.40	.35 1/2

All Burgess Prices Subject to 2% Additional Discount.

(SM) 1929 Screen Grid

Nine Tube Laboratory [Super-Heterodyne] Receiver

A Sensation!



Most Unique Simple Control Ever Devised

UNEXCELLED + UNMATCHED POWER

The 1929 Screen Grid Nine Tube Laboratory Receiver is a nine tube superheterodyne having only two tuning controls for a total of five stages of R. F. amplification! It is an ultra sensitive superheterodyne giving positive 10 K. C. selectivity, 2,000 to 3,000 mile regular reception range and marvelous tone. The circuit employs one untuned stage of short wave R. F. amplification, followed by three stages of tuned R. F. amplification, all three tuned by a super-accurate three gang condenser controlled by one vernier drum dial. This amplifier is followed by a screen grid first detector tube, an oscillator tuned by the second vernier drum dial and a single condenser, two stages of sharply tuned 65 K. C. intermediate amplification, a second detector, and one audio stage using the new Clough audio system. The tuned R. F., oscillator, both detectors and I. F. amplifier stages are shielded in individual copper cans which are assembled upon the S-M 701 Universal steel chassis, and the whole set is doubly shielded by the S-M 700 Shielding Cabinet when used.

The sensitivity and selectivity of the three wave screen grid R. F. amplifier stages alone is great enough to provide better results than are had with the average T. R. F. receivers, yet they only precede a special screen grid super to boost its sensitivity, insure positive 10 K. C. selectivity, and cut out harmonics! As a result of this combination of short wave R. F. amplification and ultra-efficient 65 K. C. intermediate amplification, the 1929 Laboratory Receiver is the most sensitive and selective superheterodyne that can be built, yet its parts cost but \$95.20 List!

The appearance of the set, with its attractive antique brass control panel escutcheon, and when housed in the S-M 700 cabinet, is rich and distinguished in the extreme, while the whole set is but 2 1/2 in. long, 10 in. deep and 7 1/4 in. high! It has the compactness and efficiency of the thoroughly engineered precision radio receiver that it is. The set has but one stage of audio, and is intended for the discriminating buyer who, content with only the best, will use it with a 210 or 250 power pack.

The S-M type 681-250 Unipac, for one 210 or 250 tube, or the ultra-fine S-M 681-210 push-pull Unipac for two 210 or two 250 tubes, is the ideal power output stage and B supply for the Laboratory Receiver, combined in one unit. (See Page 37.) The receiver will operate a loud speaker without the power amplifier, but this is not conducive to the fine, full tone, distance, and power it will give with the power pack.

All parts for the 1929 Nine Tube Laboratory Receiver are of standard reputable manufacture, and their high quality is one of the best recommendations for the set itself—a set so fine, however, as to require no other recommendation than its tuning for a single evening.

Complete Parts Required

1 S-M 701 Universal Pierced Chassis.....	\$ 3.00
1 S-M 849 Dual Control Escutcheon.....	2.75
1 S-M 846L (left) Vernier Drum Dial.....	2.50
1 S-M 846R (right) Vernier Drum Dial.....	2.50
1 S-M 320t .00035 mfd. Universal Condenser.....	4.00
1 S-M 323 .00035 mfd. 3-Gang Condenser.....	13.50
1 S-M 658 Copper Stage Shields @ \$1.50.....	10.50
3 S-M 122B Plug-In R.F. Transformers @ \$1.25.....	3.75
1 S-M 132C Plug-In Oscillator.....	1.25
1 S-M 255 First Stage A.F. Transformer.....	6.00
3 S-M 210 Long Wave Transformers @ \$6.00.....	18.00
4 S-M 512 5-Prong Tube Sockets @ 60c.....	2.40
1 S-M 511 Tube Sockets @ 50c.....	4.00
1 S-M 275 Choke.....	.80
1 S-M 708 10-Lead, 5-foot Connection Cable.....	1.75
2 S-M 818 Hook-Up Wire (25 ft. to carton) @ 50c.....	1.00
2 Yaxley 53000, 3,000 Ohm Junior Potentiometer @ \$1.25.....	2.50
1 Yaxley 500 Switch Attachment.....	.40
2 Yaxley 420 Insulated Tipjacks @ 12 1/2c.....	.25
6 Carter RU10 10-ohm Resistors @ 25c.....	1.50
1 Carter A3 3-ohm Subbase Rheostat.....	.50
1 Carter H 1/2 1/2-ohm Resistor.....	.25
1 Durham 150,000-ohm Resistor, with leads.....	.50
3 Potter 104, 1 mfd. Bypass Condensers @ \$1.00.....	3.00
1 Sprague 1/4 mfd. Midget Bypass Condensers @ 75c.....	5.25
1 Polymer .0015 Grid Condenser with Clips.....	.50
1 Polymer .002 Bypass Condenser.....	.40
1 Polymer 2 Megohm Grid Leak.....	.50
1 Naald #81XS Cushioned Tube Socket.....	.65
2 Moulded Binding Posts consisting of 3/32 screw, nut, and moulded top @ 10c.....	.20
1 Set Hardware.....	1.00

\$95.20

No. 2R-3676. 1929 Screen-Grid Laboratory Model Super-Heterodyne. Complete Kit Less Tubes. List, \$95.20. **\$55.98**

Your NET Price.....

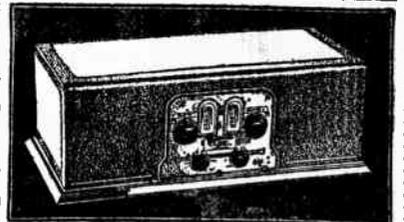
Accessories Required

Accessories required are six 222 tubes, two 201A tubes, and one 112A type tube. Any six volt "A" power unit, and an S-M 670E—or 675 Hi-Volt power unit if no power amplifier is used. The combined power amplifier and "B" power units recommended especially are the S-M 681-250 Unipac or the 681-210 push-pull Unipac (see page 37), both single stage amplifiers for 210 or 250 super-power tubes.

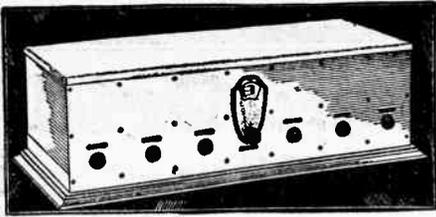
Special Metal Cabinet

S-M Type 700 Shielding Cabinet. Two-tone moire finish metal cabinet, with high-lighted panels. Fully slotted and provided with ventilating louvers. Size 2 1/2 in. long, 10 in. wide and 7 1/4 in. high. Complete with walnut base moulding. Shpg. wt., 7 lbs.

No. **2R-33100.**
List, \$9.25. Your **NET \$5.44.**
Price..



SIMPLE CONTROL + LOW IN PRICE



SM

Sargent-Rayment Seven

A Station in Every 10 Kilocycles!

A station tuned in for every ten kilocycles—an average of one hundred stations heard in one evening!—That is the performance record of the Sargent-Rayment Seven, tested in the heart of Chicago interference on a warm summer evening. To the ultra-skeptical veteran listener we heartily recommend this peer of all receivers as a set utterly without equal. In performance, as in unique appearance, it is a precision laboratory type of instrument, intended for the man who desires the very extreme of radio reception in all respects, irrespective of cost or other limitations. The results it gives place the Sargent-Rayment Seven as leader even among "stunt" sets.

The Work of Great Engineers

It is unnecessary to introduce Messrs. Sargent and Rayment, whose invention of the Infradyne system has made them well known to every radio fan. Their new receiver, developed in conjunction with the Silver-Marshall engineering laboratories, carries its own recommendation. It has the 100% endorsement of Silver-Marshall, Inc.

A Highly Developed Receiver

The Sargent-Rayment Seven is a precision laboratory radio receiver. It has been designed throughout as such. It is like a battleship stripped for action, shorn of every piece of surplus gear. The thick aluminum shielding and chassis, finished in satin silver and trimmed by black instrument name plates with white engraving, gives to the appearance a distinction and dignity utterly beyond that of any other radio set. Electrically, the receiver consists of five sharply tuned circuits in a four stage screen grid R. F. amplifier, all tuned by a single illuminated drum, and provided with individual verniers. One knob turns the set on and off, and adjusts battery voltage; a second controls volume from zero to maximum; a third regulates antenna selectivity. All are symmetrically placed. There are no other controls.

Great Power and Range

Following the R. F. amplifier are the detector and the A. F. amplifiers, using the famous S-M 220 audio transformers which provide unequalled tone quality and high volume. A 171 power tube can be used, or with S-M 675 Hivolt power supply, a 210 or 250 is used in the last audio stage. Light socket operation is had with standard "A" and "B" power units, or batteries may be used. Each circuit is individually shielded, by-passed, and isolated from all others. The set goes together simply and positively, with clear direct wiring. It is a joy to build, so workmanlike is its design and layout.

Tubes required are four 222, two 112A, and one 171A.

No. 2R-3674. 710 Sargent-Rayment Seven Kit, factory packed, with cabinet. Shpg. wt., 33 lbs. **\$76.44**
List, \$130. Your NET Price.....

No. 2R-3399. 705 Aluminum Knock-Down Shielding Cabinet, especially designed for the Sargent-Rayment Seven, size 27 $\frac{1}{2}$ "x12x8 $\frac{1}{2}$ ", included in S-M 710 Kit, but sold separately, if desired. Shpg. wt., 12 lbs. **\$15.88**
List, \$27.00. Your NET Price.....

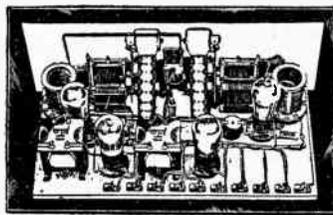
No. 2R-36134. 710 Factory WIRED, with cabinet. List, \$175.00. Your NET **\$102.90**
Price.....

SM 740 Coast to Coast Screen Grid 4

Its story is told in its name—the Coast to Coast Four. In summer time tests, through Chicago static and heat, it plays New York, Florida, Texas, and California stations on the loudspeaker, cutting through interference to distant programs only 10 and 15 or 20 K. C. away from "locals" with decisiveness and ease. Its tone quality is such as only the new S-M 255 and 256 transformers can provide. It will take 171, 210 or 250 power tubes. Battery or light socket operation is optional.

Remarkably Low in Price

Despite the fact that this remarkable four-tube screen grid receiver has consistently brought in more stations with better volume, finer tone and greater selectivity than all other sets in its price class against which we have tested it, the complete kit of all approved parts costs but \$51.00 List! Type 700 shielding cabinet is priced at \$9.25 (List) additional. It goes together easily and simply, performs with a vengeance, and for the dealer or professional set builder provides a low-priced set that will outdemonstrate all popular 6 tube one dial ready-made sets at up to twice its price.



The snappiest line of tuners ever offered. The famous one r. f. stage and regenerative circuit is used for utmost efficiency. Use them in any location—every model gives true 10 kilocycle separation even near powerful Chicago locals. Characteristic S-M quality and simplicity is here shown at its best. All 640 models have 7x18 in. decorated metal panel. Factory packed in Kits as follows:

640 Essential Kit

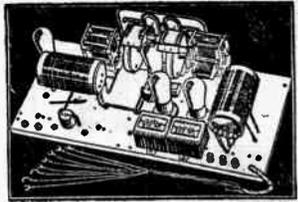
No. 2R-3794. 640 Essential Kit—Contains essentials for any tuner—two coils and sockets. R. F. Choke, and midget condenser, two variable condensers, and instructions. List, \$16.00. Your NET **\$9.41**
Price.....

642 2-Tube Tuner Kit

No. 2R-3795. 642 Two Tube Tuner Kit for battery operation with 1 $\frac{1}{2}$, 3 or 5 volt tubes. Complete kit of parts. List, \$29.50. Your NET **\$17.35**
Price.....

642 A-C 2-Tube Tuner Kit

No. 2R-3796. 642 A-C Two Tube Tuner Kit for A-C tubes, 2-UY227. Highly recommended with 2 stage Unipac, 678, 682-210 or 682-250. Complete kit of parts. List, \$33.25. **\$19.55**
Your NET Price.....



Requires 1 CX322, 2 CX301A, or CX112A detector and first stage amplifier and 1 CX371A power tube, CX310 or CX350 power tube can be used with S-M 675 ABC power unit.

No. 2R-3646. Type 740, Coast to Coast Kit, complete factory packed, less cabinet. Shpg. wt., 15 lbs. List, \$51.00. **\$29.99**
Your NET Price.....

No. 2R-36135. Type 740. Factory WIRED, with cabinet. List, \$75.00. Your NET **\$44.10**
Price.....

No. 2R-3647. Type 740 A-C Coast to Coast Kit—For use with Ceco or other independent A-C Screen Grid Tubes, and S-M 670 ABC or 675 ABC power units. Complete, factory packed, less cabinet. Shpg. wt., 15 lbs. List, \$31.16 **\$31.16**
\$53.00. Your NET Price.....

No. 2R-36136. Type 740 A-C. Factory WIRED, with cabinet. List, \$78.00. Your NET **\$45.86**
Price.....

No. 2R-33100. Type 700 Shielding Cabinet for either of above kits, with walnut base moulding. Shpg. wt., 17 lbs. List, \$9.25. **\$5.44**
Your NET Price.....

S-M 640 Series Universal All Wave Tuners

644 4-Tube Kit

No. 2R-3797. 644 Four Tube Tuner Kit for battery operation with 1 $\frac{1}{2}$, 3 or 5 volts. Complete kit of parts. List, \$42.75. **\$25.14**
Your NET Price.....

644 A-C 4-Tube Kit

No. 2R-3798. 644 A-C Four Tube Tuner for A-C operation with 2-UY227, 1-UX226 and 1-UX171 tube. A wonderful A-C set. Complete kit of parts. List, \$54.00. Your NET **\$31.75**
Price.....

644SG 4-Tube Screen Grid Kit

No. 2R-3614. Complete 4-tube battery operated tuner employing 1-222 screen grid tube, 2-201A and 1-112A tubes. Most amazing little set in the market. All parts to be built factory packed. List, \$47.50. **\$27.93**
Your NET Price.....

648 ABC Power Unit Kit

No. 2R-3799. 648 ABC Power Unit Kit. Fits behind any Universal Tuner in 12 in. deep cabinet supplying 45, 80, and 220 volts B supply, and 1.5, 2.5 and 5 volts A-C for A-C models. Complete kit of parts. List, \$32.50. **\$19.11**
\$32.50. Your NET Price.....

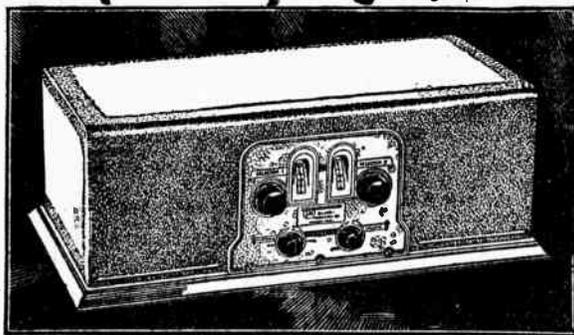
649 ABC Power Unit Kit

No. 2R-3600. 649 ABC Power Unit Kit. Same as 648 above except supplies 450 volts and 7.5 volts A-C for operation of a 210 tube in the last stage of any Universal Tuner. Complete kit of parts. List, \$42.75. **\$25.14**
Your NET Price.....

(SM) 720 Screen Grid Six Receiver

A 6-Tube Screen Grid Kit for Only \$72.50 List

An Amazing Value! **NET \$42⁶³**



Screen-Grid Tubes Successful

Essentially the new S-M 720 Screen-Grid Six is a refined and greatly improved model of the earlier type S-M 630 SG which was placed on the market in the early part of 1928 with the amazing guarantee of better performance than any other set or the purchase price would be refunded! Less than 1% of the kits sold were returned as not superior to anything else on the market—an amazing record.

What's in the S-M 720?

The S-M 720 receiver consists of three stages of radio frequency amplification, using screen-grid tubes, followed by a super-sensitive detector and two stages of Clough high gain audio frequency amplification, with power output tube, X112, X171, X210 or X-250 tube being optional. Every individual part of the circuit has been designed for greatest efficiency and ease of assembly. The R. F. stages are controlled by two vernier drum dials operating one single condenser and one "three gang" die-cast bowl-type condenser of unusual accuracy and rigidity. Ganging troubles are forever eliminated. The new S-M 140 Universal coil is used in the antenna stage providing greater antenna selectivity than in any other set. The second and third R. F. stages are tuned by the compensated gang condenser and are individually shielded in separate copper stage shields. The new S-M 255 and 256 A. F. transformers provide twice the average amplification of ordinary audios.

Performance with a Vengeance!

So selective is the S-M 720 Screen-Grid Six that, operated in the heart of Chicago, within only one to three miles of powerful local stations, it brings in out-of-town stations only one dial division (10 K. C.) away from locals! On a short antenna it has brought in consistently, both East and West Coast stations on warm summer evenings. Think of it! KFI was heard in Chicago through WCFL (a very powerful local, one mile away) on a hot summer night; WJZ regularly through WQJ two miles away! The set logs positively, and cannot get out of gang.

Attractive Appearance

With its beautiful antique bronze control escutcheon, walnut knobs and the beautiful new S-M 700 metal cabinet, finished in two-tone moire brown the 720 is a joy to the eye as well as to the ear. Its appearance, when custom-built, is far beyond standards of ready-made sets. The metal cabinet provides 100% shielding, augmenting the selectivity of the receiver.

Marvelous Reproduction

The tone quality of this receiver with the famous S-M 255 and 256 transformers is truly remarkable. With their flat characteristic from 100 to 8,000 cycles and their rise in am-

plification below 100 cycles, every note of the musical scale is brought out with full volume and fidelity of tone, with all hysteretic distortion found in ordinary transformers eliminated.

Easy to Build

The attention to detail in the layout and design of the 720 has made it very easy to build. All parts are assembled on the ready-pierced metal chassis in a short time, and the wiring is simple and direct. The ganging, heretofore the hardest part of single-control receiver, is already done, making only a small adjustment of the compensators necessary to perfectly line up the receiver.

COMPLETE LIST OF PARTS

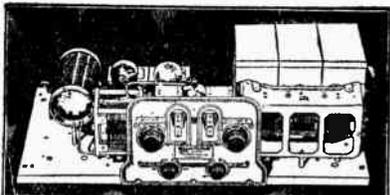
1 S-M 701 Universal pierced chassis.....	\$ 3.00
1 S-M 800 dual control escutcheon.....	2.75
1 S-M 806L (left) vernier drum dial.....	2.50
1 S-M 806R (right) vernier drum dial.....	2.50
1 S-M 320R .00035 mfd. Universal condenser.....	4.00
1 S-M 323 .00035 mfd. 3-gang condenser.....	13.50
1 S-M 342B .000075 mfd. midget condenser.....	1.75
3 S-M 638 copper stage shields @ \$1.50.....	4.50
1 S-M 140 antenna coil.....	3.00
3 S-M 132A plug-in RF transformers @ \$1.25.....	3.75
3 S-M 512 5-prong tube sockets @ 60c.....	1.80
6-M 511 tube sockets @ 50c.....	2.50
1 S-M 255 first stage A.F. transformer.....	6.00
1 S-M 256 second stage A.F. transformer.....	6.00
1 S-M 708 10-lead, 5-foot connection cable.....	1.75
1 S-M 818 hook-up wire (25 ft. to carton).....	.50
1 Yaxley 53000, 3,000 ohm midget potentiometer.....	1.25
1 Yaxley 500 switch attachment.....	.40
2 Yaxley 420 insulated tipjacks @ 12½c.....	.25
3 Carter RT10, 10 ohm resistors @ 25c.....	.75
1 Carter A6, 6 ohm sub-base rheostat.....	.60
1 Carter H1½, 1½ ohm resistor.....	.25
1 Potter 104, 1 mfd. bypass condenser.....	1.00
6 Sprague ¼ mfd. midget condensers @ 75c.....	4.50
1 Polymet .00015 mfd. grid cond. with clips.....	.50
1 Polymet .002 mfd. bypass condenser.....	.40
1 Polymet 2 megohm grid leak.....	.50
1 Durham 15 megohm resistor with leads.....	.50
1 Naald 481XS cushioned tube socket.....	.95
3 Moulded binding posts.....	.30
1 Set hardware, wire, screws, washers, lugs, etc.....	1.00

No. 2R-3640. Type 720 Screen Grid Kit, complete, factory packed as described above, less tubes and cabinet. Shpg. wt., 18 lbs. List, \$72.50. Your NET Price..... **\$42⁶³**

Custom-Built S-M 720 Screen-Grid Six

No. 2R-3641. Type 720 Wired Screen-Grid Six is available custom-built, wired and tested in S-M factory (with factory label), complete with cabinet. List, \$102.00. Your NET Price..... **\$59⁹⁸**

Front view of the attractive chassis of S-M 720 Screen-Grid Six



- No. 2R-33100. S-M Type 700 Shielding Cabinet. Two-tone moire finish metal cabinet, with high-lighted panels. Fully slotted and provided with ventilating louvers. Size, 21½" long, 10" wide and 7¼" high. Complete with walnut base moulding. Shpg. wt., 7 lbs. List, \$9.25. Your NET Price..... **\$5.44**
- No. R-27133. S-M Type 701 Universal Chassis. Steel chassis for new S-M circuits, formed, pierced and enameled. Size, 21½" long by 9½" wide by ¾" high. Included with No. 720 Kit, but sold separately, if desired. Shpg. wt., 3 lbs. 9 oz. List, \$3.00. Your NET Price..... **\$1.76**
- No. R-27134. S-M Type 702 Wood Chassis. A seasoned non-warping stained wood chassis 21½" long, 9½" wide and ¾" thick. Fits 700 cabinet. Shpg. wt., 2 lbs. 11 oz. List, \$1.50. Your NET Price..... **88¢**
- No. R-0932. S-M Type 708 Ten-Lead Battery Cable. A ten lead coded cable, fabric covered with tinned ends. 5 feet long overall. Furnished with 720 Kit, but sold separately, if desired. Shpg. wt., 3 oz. List, \$1.75. Your NET Price..... **\$1.03**

For Building Broadcast Receivers

AERO KITS

Supplied Complete
Nothing Else to Buy

Aero Broadcast Receiver Kits are supplied complete to the last detail. When wired, they may be encased in the beautiful two-toned metal cabinet, finely finished with a silver high-light and set off by a handsome escutcheon plate. Walnut finished knobs are used with the tuning and volume controls. Illuminated micrometer dial insures easy tuning. The audio transformers are of a type heretofore only used in broadcast station line amplifiers. All parts are of the very highest type and assure great sensitivity, complete volume and fine reception both on distant and local broadcasting. All kits contain complete blue prints and diagrams for easy wiring.



Beautifully Finished Metal Cabinet Supplied With Chronophase, Metropolitan and Trio Kits

"METROPOLITAN"

When wired, this set will secure maximum gain from the popular radio frequency regenerative circuit. The coils supplied with this kit will allow the use of either shield grid or 201A tubes, with the interelectrode capacity of the tube neutralized. Kit contains complete blue print and diagram for easy wiring.

With Cabinet

- No. 2R-3657. Type 26 Shield Grid.
No. 2R-3658. Type 27 A-C.
No. 2R-3659. Type 28 D-C.
List, \$58.00. Your NET Price..... **\$34.10**

Without Cabinet

- No cabinet, but with drilled and engraved bakelite walnut finished 7 x 18 front panel.
No. 2R-3682. Type 26P S. G.
No. 2R-3683. Type 27P A-C.
No. 2R-3684. Type 28P D-C.
List, \$53.00. Your NET Price..... **\$31.16**

6 Tubes AERO-DYNE 6 Tubes

Plenty of Volume and Lots of Pep

This six tube receiver, when wired, is one of supreme excellence. Has three stages of "Chronophase" R. F. amplification. For Shield Grid, A-C or D-C tubes. A-C set uses five 227 tubes, one 171 power tube, and one detector. The 171 power tube is used on both D-C and Shield Grid model. Easy to wire, blue prints and wiring diagrams being furnished with each kit.

With Cabinet

- No. 2R-3660. Type 23 Shield Grid.
No. 2R-3661. Type 24 A-C.
No. 2R-3662. Type 25 D-C.
List, \$93.50. Your NET Price..... **\$54.98**

Without Cabinet

- No cabinet, but supplied with drilled and engraved walnut finished bakelite 7 x 18 front panel.
No. 2R-3688. Type 23P S. G.
No. 2R-3689. Type 24P A-C.
No. 2R-3690. Type 25P D-C.
List, \$83.50. Your NET Price..... **\$49.10**

The Aero "Trio"

This is a simple three-circuit regenerative receiver of time proven ability. It is recommended especially for use in sets which are one hundred miles or more distant from high powered broadcasting stations. A-C model uses two 227 tubes and one power tube. D-C model uses two 201A tubes and one 171 power tube. Blue prints and diagrams furnished with each kit.

With Cabinet

- No. 2R-3664. Type 30 A-C.
No. 2R-3665. Type 31 D-C.
List, \$42.00. Your NET Price..... **\$24.70**

Without Cabinet

- No cabinet, but supplied with drilled and engraved walnut finished bakelite 7 x 18 front panel.
No. 2R-3696. 30P-A-C.
No. 2R-3697. 31P-D-C.
List, \$38.00. Your NET Price..... **\$22.34**



Handsome Metal Cabinet Supplied With Aero-Seven and Aerodyne Kits

"CHRONOPHASE"

5 Tubes with a Great Kick!

This kit, when wired, embodies two stages of tuned radio frequency, utilizing the famous "Chronophase" circuit for either Shield Grid, A-C or D-C tubes. The new Aero audio frequency transformers are used. Uses a 171 power tube. The A-C receiver uses four 227 tubes. Complete blue prints and diagrams furnished.

With Cabinet

- No. 2R-3654. Type 20 Shield Grid.
No. 2R-3655. Type 22 A-C.
No. 2R-3656. Type 21 D-C.
List, \$74.50. Your NET Price..... **\$43.81**

Without Cabinet

- No cabinet, but supplied with drilled and engraved walnut finished bakelite 7 x 18 front panel.
No. 2R-3685. Type 20P S. G.
No. 2R-3686. Type 22P A-C.
No. 2R-3687. Type 21P D-C.
List, \$68.55. Your NET Price..... **\$40.31**

AERO-SEVEN TWENTY-NINE

A Great Receiver That Brings Them In— And How!

When you wire this "DeLuxe" seven tube set, you'll have a wonderful receiver. Uses 3 stages of "Chronophase" R. F. amplification and one semi-aperiodic stage. Six 227 tubes and one 171 power tube are used in the A-C model, while the D-C model uses six 201A and one 171 power tube. The shield grid model uses 4 shield grid, two 201A and one 171 power tube. Diagrams and blue prints furnished.

With Cabinet

- No. 2R-3663. Type 32 Shield Grid.
No. 2R-3691. Type 33 A-C.
No. 2R-3692. Type 34 D-C.
List, \$97.85. Your NET Price..... **\$57.54**

Without Cabinet

- No cabinet, but supplied with drilled and engraved walnut finished bakelite 7 x 18 front panel.
No. 2R-3693. Type 32P-S. G.
No. 2R-3694. Type 33P-A-C.
No. 2R-3695. Type 34P-D-C.
List, \$87.85. Your NET Price..... **\$51.66**

**Aero Products, Inc., Will Have
Some Very Important New Items
for Every Radio Man and We
Will Have Them in Stock as Soon
as They Are Announced**

A GREAT NEW RECEIVER

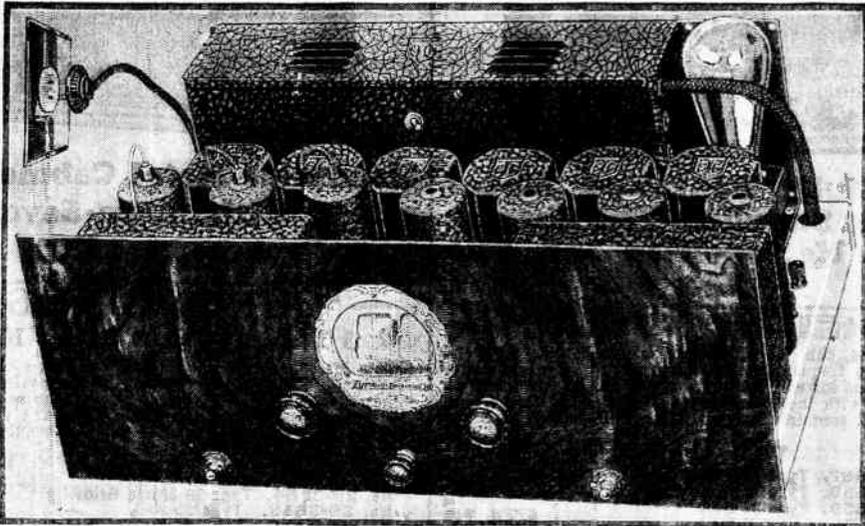
by a GREAT ENGINEER

Definitely designed to satisfy those who want only the finest in radio receivers. To use such words as "amazing," "marvelous," "greatest" and so on, to describe it would merely detract from its superiority. We would rather you judge its hair-line selectivity, its tonal qualities, its unequalled

power and ability to bring in distance under most trying conditions.

The Shielded Grid principle in radio reception introduced and developed by Tyrman Engineers has now been further advanced in the "80" by the Duo System, a Tyrman development.

M
A
G
N
I
F
I
C
E
N
C
E



P
E
R
F
O
R
M
A
N
C
E

Tyrman Imperial "80"

Custom-Built Shielded Grid

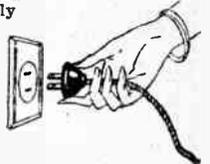


**Auto
Contactor
Shield**

Especially Designed for A-C Shielded Grid Tubes

The essential parts of the Tyrman "80" are especially designed for the efficient use of the tremendous amplification possibilities of A-C Shielded Grid Tubes. The Duo System of Amplification, an achievement of months of systematic experimenting, when co-ordinated with Tyrman design creates in the final assembly a receiver unequalled for Selectivity—Sensitivity—Stability and Power. A complete set of Plug-in Short Wave Coils are included in kit for the low wave bands, making it a two-purpose receiver.

Look at the layout in the illustration. Despite the number of tubes employed—despite the incorporation of a complete A-C Power Supply and 250 Power Amplifier, Tyrman Engineers succeeded in arranging all apparatus into a chassis on a subpanel only $13\frac{1}{2}'' \times 20\frac{1}{2}''$. Front panel is only $8'' \times 21''$. The platform itself is cadmium plated, brushed to a silver-like finish. Shielded parts, coated with a beautiful black crystal finish. In order to assure duplication of laboratory model extreme care has been taken in selection of materials and precision manufacture. By a special diagrammatic method right at point of wiring, assembling is made interesting and can be completed in a fraction of an hour, assuring craftsmanship any owner will be proud of. With this assembly the Set Builder may quickly and easily construct a receiver, install it in a fine cabinet and have a set the equal or superior of factory-built sets selling from six to eight hundred dollars.



A-C Operated Striking in Appearance

With its front panel of solid butt-walnut compressed on steel, equipped with the new illuminated Worm Drive Drum Dial and matched control knobs, the Imperial "80" presents a new standard of beauty in Custom Built Receivers. There is a pleasing symmetry, a certain dignity and richness of the panel front that instantly marks it an aristocrat in appearance. And, the beauty is not just "panel deep," but goes into the entire interior assembly. The combination of dark crackle finished shields on the silver-like base gives it that distinction that characterizes only fine things expertly made.



Simple Control

Complete A-C Operation

The power supply is inbuilt, making it a true A-C receiver. You plug it into the A-C 110 volt (50-60 cycle) outlet and forget it! No adjustments to make—the power pack is completely factory-built.

Phonograph Switch on front panel to shift the 250 Power amplifier from receiver to phonograph or vice versa.

Tubes Needed and Complete Price

The Tyrman Imperial "80" employs Three Ceco or Shieldplate A-C Shield Grid, Four 227, One 250 and Two 281 Tubes.

No. 2R-3680. Complete Kit of Parts for Receiver (Matched, Tested, Packed and Sealed at Factory), less Tubes. **\$79.09**
List, \$134.50. Your NET Price.....

No. 2R-0773. Power Supply Factory Assembled and Wired. List, \$65.00. Your NET **\$38.22**
Price.....

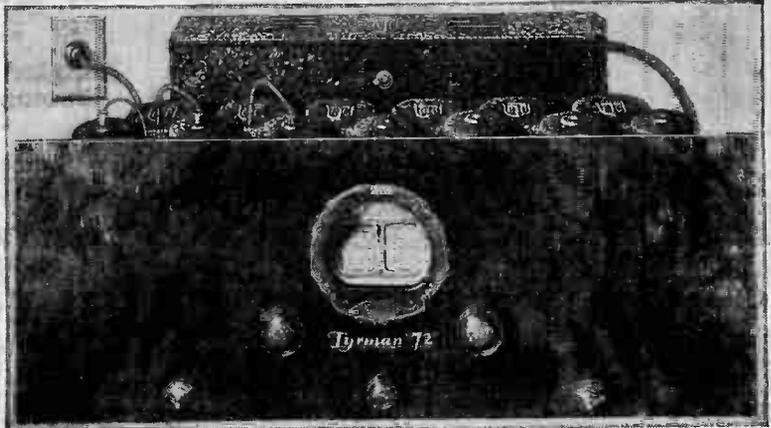
Tyrman "72"

Custom-Bilt Shielded Grid

Efficiently Designed
for the Shielded
Grid Tube



A powerful superheterodyne that is essentially "DeLuxe" in design, appearance and operating qualities. The lover of beauty will find this superior custom built receiver a delight to his eyes and its performance will charm his ears. The front metal panel, which is 8x21 inches, is of dignified, aristocratic burl-walnut pressed permanently onto the metal. It is equipped with the beautiful new Tyrman illuminated Double-Worm Drive Drum Dial, easily one of the smoothest operating dials on the market. The window is ivory pyralin—a very rich effect. The 110 A-C switch, the phonograph switch, volume and tuning knobs are arranged to make a harmonious well balanced layout on the panel.



SATISFIES THE MOST EXACTING OPERATOR!

Tyrman "72" more than meets the demands of the most critical regardless of the number of tubes used and regardless of price. Truly, a favorite that will surprise the most confirmed DX hunter. No oscillation, distortion or critical adjustments. Its sensitivity, stability, selectivity, power and distance getting ability is unsurpassed even by the highest priced ready made receivers. Tyrman "72" can be assembled for either Battery or Complete A-C Socket operation. Even if you first assemble it as a battery operated set, it is easy to convert it to complete socket operation by following a different wiring scheme, changing a few parts and changing the detector socket for A-C.

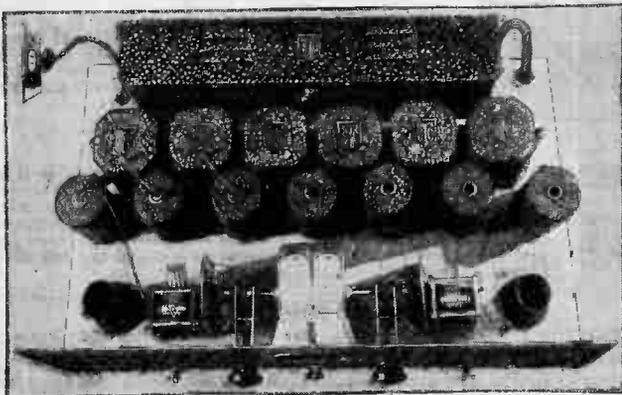
For A-C operation the Tyrman "72" uses an especially designed ABC power supply which is mounted on platform with other units. When electrically operated Tyrman "72" employs three A-C double grid Shieldplate tubes (or Ceco) in the R.F. side. A171 power tube is the last stage. The Tyrman Duo System of amplification as adapted to the "72" together with the Tyrman audio transformers assures full, rich, unequalled tonal quality and use of the high amplification values of Shield Grid Tubes.

This Tyrman audio amplifier has been developed along lines of latest tonal reproduction and tested to fit dynamic, air column and other good speakers. Abundant iron of high permeability is used for the core. High capacity winding in the secondary and resistance in the primary will assure full amplification of low bass notes and also an absolute faithful rendition of the entire range of all musical instruments and the human voice.

The smoothly acting durable volume control does not change the characteristics of any of the numerous circuits in this receiver but simply effects the change of volume by controlling the Cathode bias of the intermediate frequency stages.

The manufacturers have given particular attention to the assembling and wiring of the "72" receiver. The position of each unit is automatically defined within a thousandth of an inch. To simplify wiring and make safe assembling possible, all connections and terminals are lithographed on the subpanel directly on spot where actual connection is to be made. So simple is the assembling of this receiver that it can be completed within a fraction of an hour.

Each kit is made up at the factory with perfectly matched units and comes to you in the original sealed package. Detailed instructions for assembling and operating are included.



This shows the symmetrical, attractive layout of this great receiver. Note that the ABC Power supply unit mounts directly on the sub-panel making the set entirely self contained. Shields are all black crackle finish. Baseboard cream color lacquered.

Requires the following tubes: Three A-C Shield Grid, one 171, three 227 and one 280 rectifier for Power Pack. See Page 40 for complete listing of these tubes.

Complete Price List of The Great Tyrman "72"

No. 2R-3679. Complete Kit of Parts for Battery Operated Tyrman "72." List, \$98.50. **\$57.92**

Your NET Price.....

No. 2R-36124. Complete Tyrman "72" Kit for A-C operation, including the completely assembled and wired ABC power supply in crackle finish can. **\$90.26**

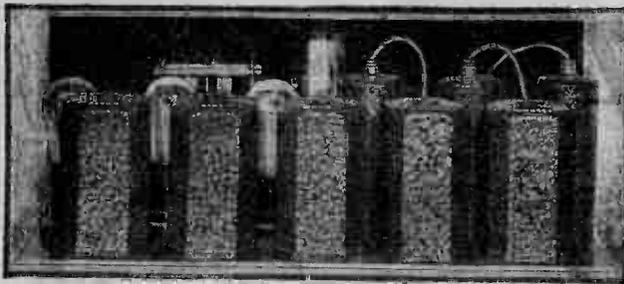
List, \$153.50. Your NET Price.....

No. 2R-0774. ABC Power Pack (included in No. 2R-36124 Kit listed above) but also sold separately. **\$32.34**

List, \$55.00. Your NET Price.....

No. R-16194. Complete Set of 4 Short Wave Plug-in Coils for either of above sets. **\$5.88**

List, \$10.00. Your NET Price.....



Tyrman, the pioneer in the shield grid tube receiver field, has now produced a highly efficient, beautiful appearing super at less than the cost of a good ordinary factory built R. F. set. We believe this an unmatched value! Remember, the component parts of this receiver have not been cheapened. They are standard Tyrman quality parts. The saving has been made in simplification and large production due to great demand.

Clever, New Circuit Development

In this latest Model 60 a new standard for tone quality, distance, selectivity, sensitivity and power. Many highly desirable features of the record breaking earlier models have been incorporated in this superior kit, but amazing results have been accomplished with the application of one tube for a double purpose. By a novel circuit developed in the Tyrman Laboratories the first detector tube serves both as an oscillator and detector with absolutely no loss in selectivity.

The Highest Efficiency

The set consists of two tuned intermediate stages using the 222 Screen Grid tube. It is primarily a direct current, battery or eliminator set. It is non-critical in performance although it possesses a very high degree of amplification. With a hair line selectivity usually found only in high priced sets, its sensitivity and volume on both local and distant stations exceeds that of the average high priced set on the market. One of the special features of this set is a single drum dial control. This dial operates both antenna and oscillator condensers which tune with oscillator and antenna circuits. Two condensers in conjunction cover entire broadcast band, and a trimmer on the panel takes care of variations in the circuit. The switch rheostat also acts as volume control. This control in operation is a revelation in its smoothness. The intermediate frequency trans-

Tyrman "60"

Custom-Bilt Shielded Grid

A Quality Receiver at Low Cost

Imagine a high powered Super-Heterodyne at \$69.50 List, Net \$40.87!

formers are peaked in groups which insures selectivity with maximum sensitivity. This set requires a very small antenna for distance reception and for local stations none whatever is necessary.

Easy to Build and Install

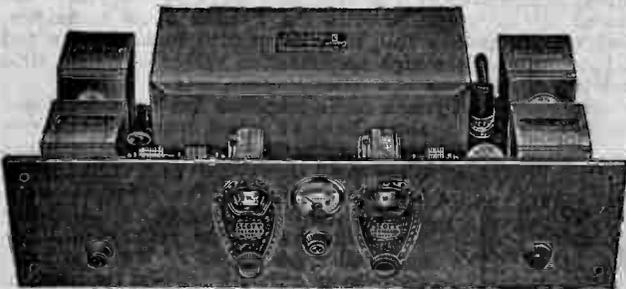
The metal front panel, 7x18 inches, comes completely drilled, as does the bakelite subpanel. The transformers and sockets have sub-panel style terminals, making the entire job of assembling and wiring a matter of moments. This simplified construction recommends this wonderful little set to both the Professional and home builder alike. Complete instructions, together with graphs are furnished in the kit, so that even the beginner can do a creditable job.

Mounting on a standard 7x18 inch panel, you will find a multitude of good cabinet designs into which you may fit it. See the Cabinet Section of this catalog for the best the market affords. With a good cabinet, tubes and power supply units, the entire cost is less than you would ordinarily pay for a simple r. f. set of vastly less efficiency.

Shows the compact, neat, attractive appearance of the front panel. There are only two knobs and a single drum tuning control. All parts are selected, matched, tested and balanced by the factory experts, sealed in a special kit package and comes to you in that way.



No. 2R-3678. Complete Kit of Parts. \$40.87
List, \$69.50. Your NET Price.....



Scott's New World's Record Shield Grid 9

This new set is claimed by the designer to be even more powerful than any previous World's Record Super. "Its DX range is practically unlimited, due largely to tremendous amplification obtained from Scott Shield Grid amplifier using new Shield Grid Tubes," says Mr. Scott. His statement continues as follows:

Easily Assembled

"It is amazingly simple to build. Anyone can assemble it in about four hours. Both panel and sub-panel are drilled to receive each part and the Shield Grid Amplifier unit comes to you fully wired and tested, ready to be connected into circuit as simple as hooking up a transformer. All adjustments made and none are required of the builder. Very complete instructions and full sized blueprints furnished.

Circuit and Tubes Used

A regenerative 1st detector using a Hi-Mu 340 tube, a shielded plug-in oscillator using a 201A tube, 3 stages intermediate frequency amplifier in one completely shielded unit using three 222 Screen grid tubes, a 2nd detector using a 201A tube, 1st stage audio using 112-A tube, and a 2nd stage Audio using a 250 power tube.

No. 2R-3639. Kit Complete, factory sealed. \$81.20
List, \$138.10. Your NET Price.....

Power Pack and Amplifier Scott Power Pack and Amplifier

For Scott Shield Grid 9. Supplies exact "B" required for receiver; also for 250 power tube used with Second stage audio. Input and output transformers built right into amplifier. Transformer and chokes exceptionally large with high factor of safety. Filter circuit used not only increases life of rectifier tubes considerably but also by preventing the voltage surges reaching condenser, insures it against breakdown.



No. 2R-3677. Parts for Power Amplifier. \$48.80
List, \$83.00. Your NET Price.....

"You will find it difficult to believe that any radio can reproduce so naturally and clearly what you hear coming from speaker of Scott World's Record Shield Grid Nine. When Scott Power Pack and Amplifier is used you secure immense volume without slightest distortion. Yet this volume is so completely under control that turning of just one knob covers entire range of sound from merest whisper to full auditorium volume, always with lifelike clarity and beauty."

Super Selectivity

"The Chicago area contains 52 broadcasting stations, yet this marvelous set cuts through them all and brings in stations 1,000 to 2,000 miles away with such volume and fine tone that you actually think they are locals until you hear call letters."

One Spot—No Harmonics

"Stations come in at one point only on dials, both of which track practically together, making tuning extremely easy."

Reaches Low Waves

"If your receiver cannot reach low waves, you are missing something. Many powerful stations all over the world are now transmitting on low waves. Plug-in coils will enable you to retune down as low as 30 meters, making possible the reception of either code or broadcast stations on short waves."

Low Operating Cost

"You can operate this receiver economically with dry batteries. The eight tubes in receiver itself use only 20 mls. of B and less than 2 amps. of "A" current with ample volume. Where A-C current is available the ninth tube, the new No. 250, with the specially designed Scott Power Pack and Amplifier, will give tremendous volume and beautiful tone quality."

Hammarlund Roberts CUSTOM-BUILT Radio

HI-Q

Master "29" Model

Its performance proves conclusively that "The Best in Radio MUST be Custom Built." Circuit is 2 shield grid, standard detector and 2 stage transformer coupled audio amplifier. Special tuned grid tuned plate circuits in R. F. stages produce marvelous "pick-up" and selectivity. Each stage completely shielded prevents eddy-current losses and preserves low resistance of the circuit.

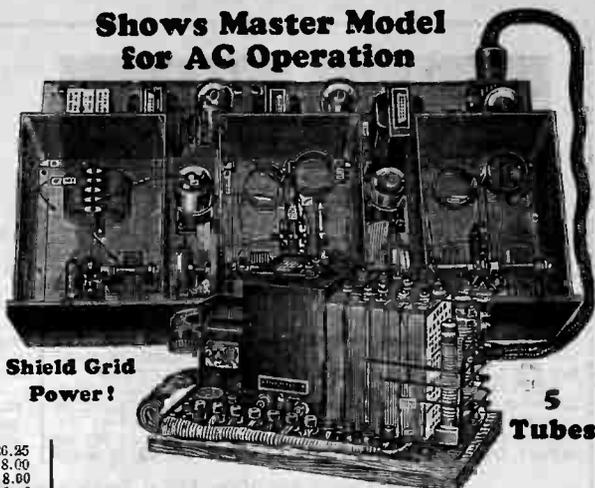


PARTS FOR A-C MASTER MODEL

5 Hammarlund ML-17 .00035 mfd. Condensers @ \$5.25	\$26.25
1 Hammarlund HQ-29 Coil Set @ \$8.00	8.00
2 Hammarlund SDW Knob-Control Drum Dial @ \$4.00	8.00
3 Hammarlund RFC-85 Radio Frequency Chokes @ \$2.00	6.00
6 Benjamin Cle-Ra-Tone Sockets, No. 9040 @ 75c	4.50
1 Sangamo .00025 mfd. Fixed Mica Condenser @ 40c	.40
1 Sangamo .001 mfd. Fixed Mica Condenser @ 50c	.50
1 Carter "HI-Q" Potentiometer, 100,000 ohms @ \$2.25	2.25
2 Thordarson R-300 Audio Transformers @ \$8.00	16.00
1 Thordarson R-196 Choke Coil @ \$5.00	5.00
1 Thordarson R-171 Power Compact @ \$15.00	15.00
1 Thordarson T-2610 Filament Transformer, 15 Volt @ \$7.50	7.50
6 Parvot .5 mfd. Series 200 By-Pass Condensers @ \$1.00	6.00
1 Parvot 4. mfd. Series 200 By-Pass Condenser @ \$4.00	4.00
1 Parvot 3. mfd. By-Pass Block @ \$4.00	4.00
1 Parvot 1. mfd. Series 200 Filter Condenser @ \$1.25	1.25
1 Parvot 2. mfd. Series 200 Filter Condenser @ \$2.25	2.25
1 Parvot 4. mfd. Series 200 Filter Condenser @ \$4.00	4.00
1 Parvot 2. mfd. Series 400 Filter Condenser @ \$3.50	3.50
1 Durham Metallized Resistor, 1 1/2 megohm @ 50c	.50
2 Durham Metallized Resistors, 1/4 megohm @ 50c	1.00
1 Yaxley No. 612 Cable Connector and Cable @ \$5.00	5.00
1 Pr. Yaxley No. 422 Jacks @ 25c	.25
1 Electrad "Truval" HI-Q-29 type Resistor @ \$3.85	3.85
2 Eby Engraved Binding Posts @ 15c	.30
1 "HI-Q-29" Foundation Unit (containing drilled and engraved Micarta panel, three shields, drilled steel chassis, shafts, binding post strips, fixed resistance units, resistor mounts, brackets, clips, wires, all special hardware) @ \$16.50	16.50
No. R-36131. Kit Complete. List, \$151.80.	
Your NET Price.....	\$89.26

Shows Master Model for AC Operation

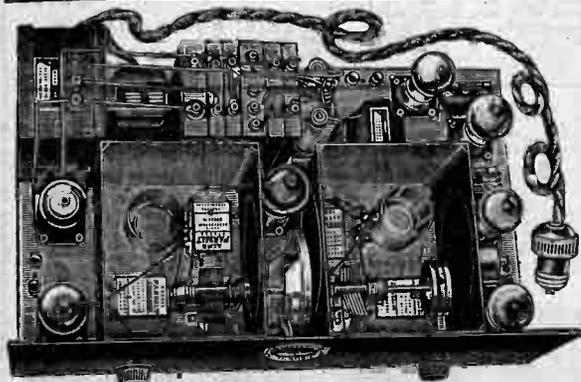
Shield Grid
Power!



5
Tubes

PARTS FOR D-C MASTER MODEL

5 Hammarlund No. ML-17 .00035 Midline Condensers @ \$5.25	\$26.25
1 Hammarlund HQ-29 Coil Set @ \$8.00	8.00
2 Hammarlund No. SDW Knob-Control Drum Dials (Walnut) @ \$4.00	8.00
3 Hammarlund No. HFD-85 Radio Frequency Chokes @ \$2.00	6.00
5 Benjamin Cle-Ra-Tone Sockets, No. 9040 @ 75c	3.75
1 Sangamo .00025 mfd. Fixed Mica Condenser @ 40c	.40
1 Sangamo .001 mfd. Fixed Mica Condenser @ 50c	.50
1 Carter No. HI-Q "Hi-Pot" Potentiometer with switch, 100,000 ohms @ \$2.75	2.75
2 Thordarson No. R-300 Audio Transformers @ \$8.00	16.00
4 Parvot .5 mfd. Series 200 By-Pass Condensers @ \$1.00	4.00
1 Durham Metallized Resistor, 1 1/2 megohms @ 50c	.50
1 Yaxley No. 660 Cable Connector and Cable @ \$3.00	3.00
1 Pr. Yaxley No. 422 Jacks @ 25c	.25
2 Amperites No. 1-A @ \$1.10	2.20
1 Amperite No. 112 @ \$1.10	1.10
2 Eby Binding Posts @ 15c	.30
1 "HI-Q-29" Foundation Unit (containing drilled and engraved Westinghouse Micarta panel, three complete aluminum shields, drilled VanDorn steel chassis, shafts, binding post strips, fixed resistance units, resistor mounts, brackets, clips, wire, screws, nuts, washers, and all special hardware required to complete receiver) @ \$16.50	16.50
No. R-36130. Kit Complete. List, \$99.50.	
Your NET Price.....	\$58.51



PARTS FOR D-C JUNIOR MODEL

2 Hammarlund ML-17 .00035 mfd. Midline Condensers @ \$5.25	\$10.50
2 Hammarlund SGT-17 Shield-Grid R. F. Transformers @ \$2.50	5.00
1 Hammarlund RFC-85 Radio Frequency Choke @ \$2.00	2.00
1 Hammarlund SDW-Knob Control Drum Dial (Walnut) @ \$4.00	4.00
6 Benjamin Cle-Ra-Tone Sockets, No. 9040 @ 75c	4.50
1 Sangamo .001 mfd. Fixed Mica Condenser @ 50c	.50
1 Carter TR-3M Tapered Volume Control, 3000 ohms @ \$1.50	1.50
1 Carter No. 2 Battery Switch @ 50c	.50
4 Parvot .5 mfd. Series 200 By-Pass Condensers @ \$1.00	4.00
2 Durham Metallized Resistors, 1/4 megohm @ 50c	1.00
1 Durham Metallized Resistor, 1/10 megohm @ 75c	.75
2 Durham Powerohms, 1 watt, 100,000 ohms @ 85c	1.70
1 Durham Powerohm, 1 watt, 50,000 ohms @ 85c	.85
1 Yaxley No. 660 Cable Connector and Cable @ \$3.00	3.00
1 Pr. Yaxley No. 422 Jacks @ 25c	.25
2 Eby Engraved Binding Posts @ 15c	.30
1 "HI-Q-29 Junior" Foundation Unit (containing drilled and engraved Micarta Panel, two shields, drilled steel chassis, shafts, coupling condensers, resistor mounts, binding post strips, fixed resistance units, clips, wire and all hardware) @ \$14.00	14.00
No. R-36132. Kit Complete. List, \$54.35.	
Your NET Price.....	\$31.96

Hammarlund Roberts CUSTOM-BUILT Radio

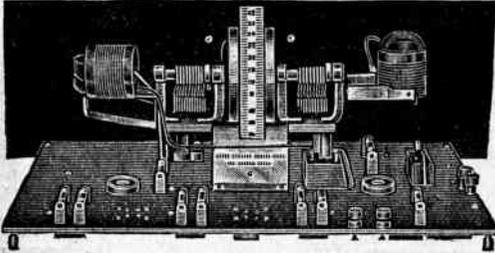
HI-Q

Junior "29" Model

The illustration shows the Junior "29" for A-C operation. Note that it is an entirely self-contained A-C receiver, the kind of radio that people want. You will find this one of the season's most popular custom built receivers. It is an outstanding value!

PARTS FOR A-C JUNIOR MODEL

2 Hammarlund ML-17 .00035 mfd. Midline Condenser @ \$5.25	\$10.50
2 Hammarlund SGT-17 Shield Grid R. F. Transformers @ \$2.50	5.00
1 Hammarlund RFC-85 Radio Frequency Choke @ \$2.00	2.00
1 Hammarlund SDW Knob-Control Drum Dial (Walnut) @ \$4.00	4.00
7 Benjamin Cle-Ra-Tone Sockets No. 9040 @ 75c	5.25
1 Sangamo .001 mfd. Fixed Mica Condenser @ 50c	.50
1 Carter TR-3M Tapered Volume Control, 3000 ohms @ \$1.50	1.50
6 Parvot .5 mfd. Series 200 By-Pass Condensers @ \$1.00	6.00
1 Parvot 1. mfd. Series 200 Filter Condenser @ \$1.25	1.25
1 Parvot 2. mfd. Series 200 Filter Condenser @ \$2.25	2.25
1 Parvot 4. mfd. Series 200 Filter Condensers @ \$4.00	8.00
2 Parvot 2. mfd. Series 400 Filter Condenser @ \$3.50	3.50
2 Durham Metallized Resistors, 1/4 megohm @ 50c	1.00
1 Durham Metallized Resistor, 1/10 megohm @ 75c	.75
2 Durham Powerohms, 1 watt, 250,000 ohms @ 85c	1.70
1 Durham Powerohm, 1 watt, 50,000 ohms @ 85c	.85
1 Thordarson R-171 Power Compact @ \$15.00	15.00
1 Thordarson R-196 Choke Coil @ \$5.00	5.00
1 Thordarson T-2610 Filament Transformer, 15 Volt @ \$7.50	7.50
1 Electrad "Truval" HI-Q-29 type Resistor @ \$3.85	3.85
1 Pr. Yaxley No. 422 Jacks @ 25c	.25
2 Eby Engraved Binding Posts @ 15c	.30
1 "HI-Q-29 Junior" Foundation Unit (containing drilled and engraved Westinghouse Micarta panel, two complete aluminum shields, drilled VanDorn steel chassis, shafts, coupling condensers, resistor mounts, binding post strips, fixed resistance units, clips, wire, screws, nuts, washers, solder and all special hardware required to complete receiver) @ \$14.00	14.00
No. R-36133. Kit Complete. List, \$103.95.	
Your NET Price.....	\$61.12



BROWNING-DRAKE RADIO

New 1929 Shield Grid A-C Kit

The wonderful new 1929 Browning-Drake A-C Shield Grid Kit incorporates the greatest features in coil design developed since the regenator. It is absolutely single control with no antenna trimmers, variometers or any auxiliary adjustments which must be operated with the dial. Hair line tuning

appeal to the professional set builder. Distance reception and ease of assembly outdistance the universally known two dial Browning-Drake Kit.

An A-C Shield Grid tube is used for radio frequency amplification. Resistance coupling in the amplifier produces quality surpassing that in factory-built receivers selling for many times as much. The volume is tremendous on locals and ample on all distant stations.

List of Parts for New 1929 Browning-Drake 5-Tube A-C Shield Grid Set

1 Browning-Drake 1929 Kit (A-C Shield Grid Type).....	\$26.00	7 Metallized Resistors (3—.05 meg., 2—.1 meg., 1—.5 meg., 1—.8 meg.) Aerovox 1929 or Durham MR-1.....	2.35
1 Browning-Drake Foundation Unit (consisting of drilled front and base panels with amplifier sockets and resistance ladders, twisted A-C filament wire, connecting cable and all hardware).....	14.75	1 Frost Volume Control and 110V. Switch.....	2.75
2 Radio Frequency Chokes (B-D).....	4.00	4 Eby Binding Posts (Ant., Gnd., Speaker + and Speaker -).....	.60
3 Browning-Drake Center Tapped Resistors.....	1.80	1 Aerovox 5 Mfd. Moulded Condensers.....	.90
3 Browning-Drake Special 1 Mfd. Amplifier Coupling Condensers.....	1.80	1 Yaxley No. 71000—1000 ohm Resistor.....	.35
2 Eby UY Type Sockets.....	1.80	1 Yaxley No. 72000—1000 ohm Resistor.....	.35
5 Moulded Fixed Condensers (1—.0001 Mfd., 3—.001 Mfd., 1—.0005 Mfd.) Aerovox or Sangamo.....	1.90		
1 1 Mfd. By-Pass Condenser—Aerovox or Parvot.....	.90		

List, \$59.45
No. R-36111. Complete Parts for New 1929 Browning-Drake Shield Grid A-C Kit.
List, \$59.45. Your NET Price..... **\$34.96**

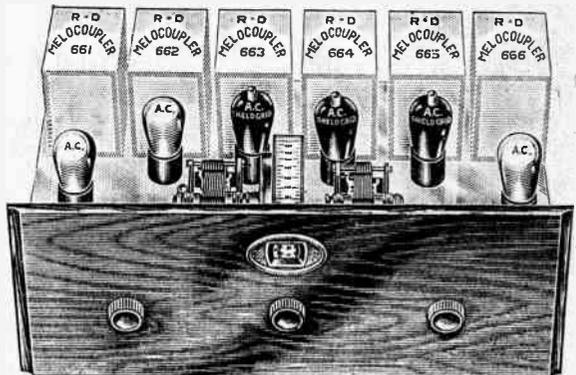
1928 BROWNING-DRAKE KITS and APPARATUS

No. R-3781. Complete Kit of Parts for D-C 5-Tube Set. List, \$77.20. Your NET Price....	\$45.39	No. R-3635. Complete Kit of Parts for 2-Dial, 5-Tube B-D Kit Set. List, \$62.85. Your NET Price....	\$36.96	No. R-2776. B-D Official 2-Tube Foundation Unit. List, \$13.50. Your NET Price.....	\$7.94
No. R-3633. Complete Kit of Parts for A-C 5-Tube Set. List, \$80.15. Your NET Price....	\$47.13	No. R-3782. Official Drum Control Assembly—Single illuminated control; coils, variable condensers—all one assembly. List, \$26.00. Your NET Price.....	\$15.29	No. R-4531. B-D Widget Condenser (Trimmer), 135 mmf. with knob. List, \$2.50. Your NET Price.....	\$1.47
No. R-3634. Complete Kit of Parts for B-D, D-C 2-Tube Set. List, \$53.65. Your NET Price....	\$31.55	No. R-2766. B-D Official Foundation Unit, front and base panel drilled and engraved for 1928 layout of 5-tube kit-set with amplifier, sockets, resistor clips and all small parts. List, \$16.50. Your NET Price.....	\$9.70	No. R-2775. New B-D Shields. List, \$8.00. Your NET Price.....	\$4.70
No. R-3619. Complete Kit of Parts for A-C 2-Tube Set. List, \$55.10. Your NET Price....	\$32.40			No. R-3215. New B-D Official Construction Booklet. List, 25c. Your NET Price.....	15¢

Robertson-Davis Automatic Super-Six

A 6 tube A-C Superheterodyne that is entirely A-C, using A-C tubes including 3 stages A-C shield grid tubes. It is completely shielded—will not howl, squeal or be thrown into oscillation. The receiver has over 2,000,000,000 over-all amplification—10 kilocycle selectivity between high powered locals and extreme distance. Stations come in at only one point on the dial—no background noises. Tuning covers both short and long waves. The sturdily made, smoothly operating single drum dial is illuminated from behind. No aerial is required although an antenna or loop can be used if desired. The circuit uses no potentiometer and has only three controls—the dial control, small trimmer for extreme distance and volume control. A very economical circuit to operate, consuming only 18 mills. of "B" current.

The Robertson-Davis Automatic Super-Six fits together like a set of building blocks. All instruments are fitted and housed in the sub-panel which is completely wired, balanced and sealed in an aluminum case. The tubes and transformers all plug right into the sub-panel for which a double row of sockets is provided, one row for the six tubes and the other for the six transformers. The transformers are Rob-



ROBERTSON-DAVIS AUTOMATIC SUPER-SIX

ertson-Davis Melocouplers of the new shielded plug-in type and the intermediates are peaked at a frequency of 465 kilocycles, which is the most favorable for one-spot reception, extreme distance and loud-speaker volume of finest quality on either local or DX stations.

The entire receiver can be completely assembled in only eighteen minutes. There are only nine leads to connect—no soldering required, only a screw driver. The panel is 7x21 in. and fits into a cabinet 12 in. deep.

No. R-36112. R-D. Automatic Super 6 Receiver Kit Complete. List, \$95.00.
Your NET Price..... **\$55.86**

No. R-4226. R-D. Television short wave plug-in coils, 2 required.
List, each, \$6.00. Your NET Price..... **\$3.53**

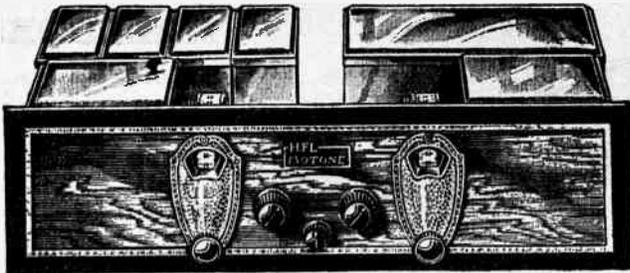


R-D Automatic Electric Tuner

Press a button and your favorite station plays! Plugs into R-D Super 6. Plays any six stations automatically or any one of seven buttons cuts out all the rest except the one station desired. Can be changed at will by simple adjustment. Index for marking. Complete instructions furnished. **\$27.93**
No. R-36123. List, \$47.50. Your NET Price....

HFL ISOTONE

Screen Grid Receiver and Phonograph Amplifier



"This excellent instrument employs practically every new engineering feature known to Radio Science," says the designer. "The range is almost unlimited. The three stage screened grid amplifier having the unusually high gain of sixty-five per stage can be hand turned by the operator which results in a perfectly balanced instrument. The Isotone was designed for the man who wants to "get everything on the air." The sensitivity is amazing. Stations all over the continent can be received with full loud speaker volume. The 450 Kilocycle amplifier allows absolute one-spot tuning.

"Actual laboratory tests have shown that an Isotone can be tuned so that it will select an eight kilocycle band. This is undoubtedly the highest attainment in selectivity which has been obtained up to this time. Local station interference will never trouble the owner of an Isotone. In extreme cases the operator can deliberately cut the side bands of powerful locals in order to get the distant stations through."

Five power tubes are used in the receiver which are responsible for the unsurpassed tonal quality of the instrument. An automatic

tube ballasting system eliminates all voltage surges. Phonograph records can be played through the three-stage push pull amplifier by simply throwing the control knob on the front of the panel. The instrument operates perfectly with a standard 180-volt "B" unit and a battery or with the new Isotonic Model 5 ABC Power Supply shown below.

The Isotone can be completely constructed and wired by anyone in less than one hour. The factory assembled and wired Isotonic units which make up the instrument are individually laboratory tested and are unconditionally guaranteed to be mechanically and electrically perfect. Set builders who specialize on the Isotone will eliminate service work and gain a great number of re-orders. Practically every demonstration with this beautiful and efficient instrument means a sale. The Isotone kit comes absolutely complete with all instructions. Nothing else to buy.

No. 2R-3650. Complete Kit of Parts for Isotone Model 10 Receiver. List (less tubes), \$195.00. **\$114.66**

Your NET Price.....

Outstanding Features of the New HFL Isotone

Absolute One-Spot Operation, 450 Kilocycles.
Perfect Phonograph Record Reproduction.
Optional Loop or Antenna Operation.
Perfect 8 Kilocycle Selectivity.
Extreme Sensitivity, Unlimited Range.
AC Power Supply or Battery Operation.
Three Stage Screened Grid Amplifier.
Exquisite Tone Quality—Five Power Tubes.

Complete Construction in One Hour.
New Signal Ratio Balance Control.
Manually Tuned R. F. Amplifier Stages.
Three Stage Push Pull Audio Amplifier.
Special Audio Frequency Filter.
Absolute Stability—Cannot Squelch or Howl.
Measured Gain of 65 per Stage.
Operates All Dynamic Loud Speakers.
Dual Phono Radio Volume Control.

Laboratory Assembled and Matched Units.
Built-in Microphone Transformer.
Automatic Tube Ballasting Control.
Consecutive Numerical Dialing.
Beautiful Gold Dials—Walnut Panel and Knobs.
Complete Inter-Unit Shielding.
Velvet Smooth—Line Driven Dials.
Automatic Tube Disconnecting Switch.

Completely Shielded—Invisible Wiring.
Cadmium Plated Steel Supporting Bases.
Pyralin Diffused Dial Illumination.
Bureau of Standard Shielding, 24 Gauge.
New Type Loud Speaker Impedance.
Specially Designed Tank Condensers.
Spring Suspended Tube Sockets.
New Mixer Balancing Padder.

HFL ISOTONIC ABC Power Supply

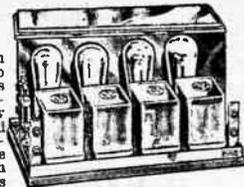


This perfect device was designed especially for the Model 10 ISOTONE. It is absolutely free of AC hum, voltage surges and motor boating. Overize condenser sections, having an unusually high break down rating, allow perfect low note reproduction in the receiver. The Model 5 supplies "A" voltage 6 volts at 2 1/2 amperes—

"B" Biasing voltages of 40 and variable 0 to 15 volts. Mounted on a satin finished Cadmium plated steel base with steel cover. Unconditionally guaranteed against breakdowns and to operate perfectly with the Model 10 ISOTONE Receiver. Size, 13 in. long, 11 in. wide, 8 in. high. Requires one 280 tube for operation. No. 2R-0718. List, \$95.00. **\$55.86**

Your NET Price.....

HFL ISOTONIC Audio Amplifier



Three stage push-pull, with built-in microphone transformer and audio filter. Operates all dynamic speakers and allows perfect radio and phonograph reproduction. The secondary coils are wound in two sections and matched for inductance, capacity, resistance and impedance balance. The primary coil is then inserted between the two halves of the secondary. This method of construction allows a perfectly balanced transformer. All instruments and wiring perfectly shielded. Arranged for sub-panel mounting and comes completely assembled and wired. Overall dimensions 11 1/2 in. long, 6 1/2 in. wide, 6 1/2 in. high.

No. 2R-3651. List (without tubes), \$55.00. **\$32.34**

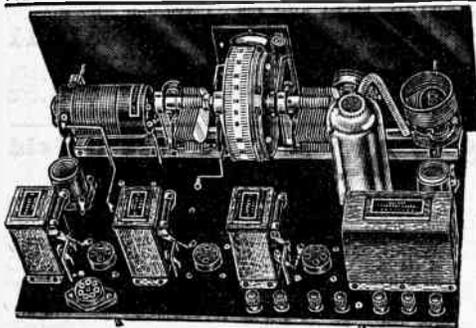
Your NET Price.....
No. 2R-3652. HFL Isotonic Screen Grid Amplifier (not illustrated). List (without tubes), \$60.00. **\$35.28**

Your NET Price.....

NATIONAL Screen Grid 5

as Specified in Citizen's Radio Call Book
(September, 1928, Edition)

This new Browning-Drake receiver with 222 Tube as the R. F. Amplifier is positively simple to build and operate but capable of remarkable results. It is so sensitive that only a very few feet of antenna is sufficient for full DX operation. 3 to 5 feet of indoor antenna is enough in most cases for loud speaker reception from stations 1,000 miles distant, and with such short antenna the selectivity leaves very little to be desired. With the special National Browning-Drake Transformer having a high impedance slot-wound primary the necessity for shielding has been eliminated. The new 222 tube used with such R. F. transformer banishes neutralization troubles. This results in better tone quality as the regeneration on the detector circuit is readily controlled without affecting the stability of the Radio Frequency stage.

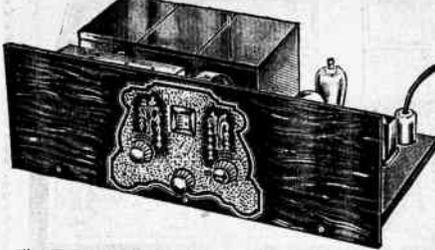


- 1-R-36125 National BD222 complete unit.....\$24.50
- 2-R-416 Sangamo .0001 mfd. condensers @ 40c..... .80
- 1-R-421 Sangamo .00025 mfd. condenser..... .40
- 1-R-429 Sangamo .001 mfd. condenser..... .50
- 2-R-453 Acme Parvot .5 mfd. by-pass condensers @ \$1.00..... 1.00
- 3-R-1795 National Impedafomers @ \$5.50..... 16.50
- 1-R-1794 National Tone Filter..... 7.00
- 2-R-6173 National R. F. choke coils @ \$1.25..... 2.50
- 1-R-8483 Yaxley .5 ohm fixed resistance..... .15
- 1-R-8491 Yaxley .15 ohm resistance..... .15
- 1-R-204 Frost 20 ohm Gem rheostat..... .75
- 1-R-18332 Durham 2 megohm grid leak..... .50

- 1-R-2604 Formica front panel 7x18x3/8 in..... 2.95
- 1-R-2654 Formica sub-panel 10 1/2 x 17 1/2 in..... 4.50
- 1-R-2961 7-contact cable plug..... 2.25
- 7-R-2900 Eby Ensign binding posts @ 15c..... 1.05
- 5-R-2401 Benjamin UX sockets @ 50c..... 2.50
- 1-R-2510 Yaxley filament switch..... .50
- 1-R-2462 Carter tube shield..... .15
- 2-R-2784 Brass 3/16 in. drilled and tapped 633 end brackets @ 5c..... .10
- 1-R-18394 Muter grid leak mounting..... .20
- R-36126. Complete Kit. List, \$71.30. **\$41.92**

Your NET Price.....

HALLDORSON Shield-Grid 56



Shield-Grid and Push Pull Audio

The Halldorson Shield Grid 56 receiver is one of the season's most advanced receivers and embodies many new features that will prove very popular with the set builder. Designed to give the appearance of a factory built receiver. In fact, when assembled it surpasses even the finest sets for beauty. Its bronze front escutcheon plate carries all controls and may be mounted on a front panel to fit any size of cabinet.

All parts are mounted upon a black steel crystalline finished sub-base and the sockets are riveted in place at the factory. The remaining parts may easily be mounted in 15 minutes, ready for wiring.

Its two stages of Shield-Grid R. F. amplification produce tremendous step-up in signal strength. These two R. F. stages, as well as the detector stage, are totally shielded with highly buffed copper shields. This provides a finished receiver that is almost weld in its

quiet and smooth operation. Distance and locals slip in one after another without any trace of background noises.

The first stage of audio amplification also employs a Shield-Grid tube. This tube was chosen after much experimental work due to its ability to amplify very weak detector signals and still handle large power when called upon. Except for the Shield-Grid R. F. stages this is one of the most important improvements in the Halldorson 56 receiver because it permits loud speaker operation of signals that are ordinarily too weak to satisfactorily swing grids of amplifier tubes.

The last amplifier stage consists of two 112 or 171 tubes in a push-pull circuit. To realize fully the advantages of push-pull amplification one has only to remove one tube from the amplifier, allowing it to operate as a straight audio. The soft smooth power of the push-pull amplifier is at once apparent.

By an ingenious jack arrangement the amplifier stages may be used for either Radio or Phonograph music.

Each kit is made up of tested, balanced parts, assembled, packed and sealed by the factory experts, insuring the best possible results.

No. R-36113. Kit of Parts Complete for D-C (Battery) Operation. List, \$59.85. **Your NET Price.....\$35.19**

No. R-36114. Kit Complete (except for Power Supply Unit) for A-C (Light Socket) Operation. List, \$63.85. **Your NET Price.....\$37.54**

No. R-36115. Power Supply Unit for the A-C Kit. List, \$32.50. **Your NET Price.....\$19.11**

HALLDORSON Shield-Grid Super 8

With Shield-Grid and Push Pull Audio

The Halldorson Shield-Grid Super 8, regarded by many as one of the finest receiver kits on the market this season, is establishing many records. Incorporating many outstanding improvements in receiver design, there are few custom built receivers that will match its performance.

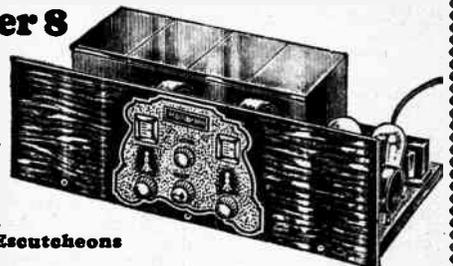
In appearance the set is a beauty and will enable the fan or professional to build a receiver equal in beauty to the finest manufactured sets. The panel is of steel, finished in a beautiful grained walnut, with a handsome bronze escutcheon plate which, though rich in finish, matches the walnut panel and harmonizes with the finest furniture. The Halldorson name has purposely been left off to enable dealers and custom set builders to have their own name engraved upon the plate, adding prestige to the builder and greatly aiding his sale of the kits. Nowhere can there be found the slightest trace of amateur construction in the receiver.

The intermediate stages consist of two shield-grid tubes operating in conjunction with special Halldorson R. F. transformers that give a high gain per stage, higher in fact than any three stage long wave amplifier using air core transformers.

An exclusive feature of the kit is the Shield Grid first stage audio which by its ability to amplify very weak detector signals permits loud speaker operation of distant signals that would otherwise be too weak to swing the first stage audio grid. This enables the receiver to pick up stations that could not be heard with the standard 201A tube as an amplifier.

The last amplifier stage is a push pull arrangement using two 171 or 112 tubes. The power handling capacity of this stage is such that any of the present power dynamic speakers may be operated to their fullest extent direct from the receiver.

Note Hand-some Appearance of Panel Front with All Controls on Escutcheons



By an ingenious jack arrangement the amplifier stages may be used for either Radio or Phonograph music. Switching over takes but a few seconds. With the amplifiers on the phonograph the quality will compare with the finest Electric Phonographs.

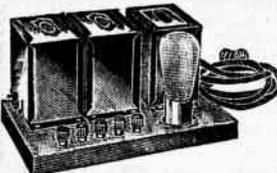
Each kit is packed and sealed at the factory, being made up of laboratory tested, perfectly matched and balanced units. This insures perfect results on construction of the receiver.

No. R-36116. Complete Kit of Parts for D-C (Battery) Operation. List, \$83.30. **Your NET Price.....\$48.98**

No. R-36117. Complete Kit (except Power Supply Unit) for A-C (Light Socket) Operation. List, \$86.30. **Your NET Price.....\$50.74**

No. R-36115. Power Supply Unit for A-C Kit. List, \$32.50. **Your NET Price.....\$19.11**

Halldorson Power Packs



For halls and public address work. Volume control is a whisper. Perfect reproduction. Audio amplifier has two broadcast type audios working with 250 power tube. Power section supplies 425 Volts providing all "B" and "C" current for receivers. Also supplies filament voltages, for A-C sets. The audio transformers handle 60 mils. Both units listed use two

281 rectifier tubes. No tubes of any kind furnished.
No. R-36118. 1 Stage 250 Power Pack. **\$39.98**
List, \$68.00. **Your NET Price.....**
No. R-36119. 1 Stage 250 Push-Pull. **44.10**
List, \$75.00. **Your NET Price.....**

A B C Power Supply



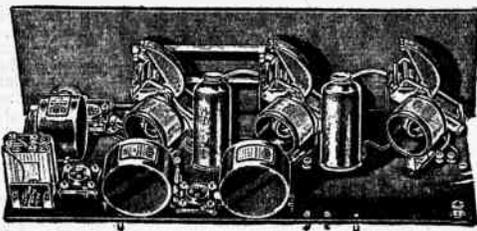
Smooth, quiet "B" and "C" power for any set to 10 tubes. Also 5 volt filament current for standard A-C tubes. Also has 5 volt tap for filament of 171 or 112 power tube in set. Makes A-C tubes last 12 to 14 months. Uses 280 type full wave rectifier tube. (No tubes furnished.)

No. R-36120. Model ABC 180. A 180-Volt "B" Supply, 40 volt "C"; also 1 1/2-2 1/2 and 5 volt taps. **\$19.11**

List, \$32.50. **Your NET Price.....**

No. R-36121. Model ABC 425. A 425-Volt B Supply, "B" 86 volt, "C" also 1 1/2-2 1/2 and 7 1/2 windings. **\$23.52**

List, \$40.00. **Your NET Price.....**



Karas Knickerbocker 4

A little set that amazes. T. R. F. circuit. Very selective and a distance getter. Enormous volume. Factory sealed Kit.

No. R-3769. Complete Kit. List, \$53.50. (Separate parts list at \$60.61.) **\$31.46**
Your NET Price.....

Karas D-C Equamatic

Completely balanced and perfectly neutralized 5-tube set. Easy tuning and pure rich tone.

No. R-3737. Complete Factory sealed Kit. List, \$88.00. (Separate Parts List at \$98.23.) **\$51.74**
Your NET Price.....

Karas A-C Equamatic

Powerful 5-tube receiver. No hum. Tone as sweet and clear as when batteries are fresh and fully charged.

No. R-3783. Complete Factory sealed Kit. List, \$99.50. (Separate Parts List at \$109.50.) **\$58.51**
Your NET Price.....

KARAS 5 Tube Screen Grid Equamatic

This new Karas set is a five tube receiver. Two 222 screen grid tubes are employed in the radio frequency stages, one 171 in the last or output audio stage. This tube combination has demonstrated unusual effectiveness and is recommended. Excellence in tonal beauty, razor-like selectivity, the ability to tune through a myriad of high powered local stations and reach out to all parts of the country—maximum sensitivity. Each day brings reports from owners all over the world telling of their experiences in getting distant stations.

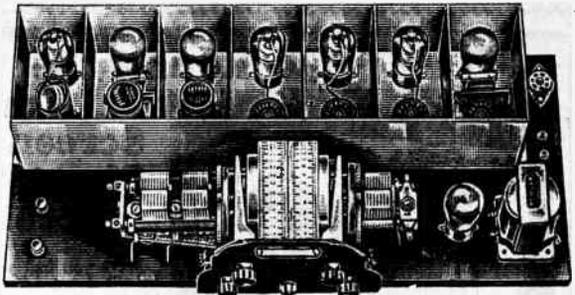
The Kit is made up at the factory from selected, matched and balanced parts and comes to you in the original sealed package. This makes for the best possible results in construction.

No. R-36122. Complete Kit of Parts to construct Karas 5-Tube Shield Grid Receiver. List, \$83.50. **Your NET Price.....\$49.10**

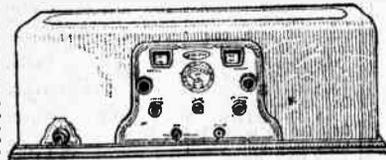
REMLER "29" Shield Grid Receiver

A new receiver built around the new Remler units. Each 712 Selector and Amplification unit is completely assembled, wired, inspected and tested on the air before shipment. Any one can follow the simple print. Only a few wires to connect. Eliminates all guesswork. The circuit is battery operated and consists of one stage of Shield grid tuned R. F.; regenerative first detector; oscillator; three stages of Shield grid amplification at 115 K. C.; second detector and two stages of audio, one in the receiver and the second in the new Remler 950 Power Amplifier and "B" Supply. Only two tuning controls and really one-point reception. Uses short indoor antenna. Handsome appearance to rival the finest factory-built receivers. All wiring concealed in a steel sub-base. Tuning and volume controls mounted on an attractive escutcheon plate. Fits any standard 26-inch cabinet 12 inches deep. Uses any standard 7x26 inch Bakelite or Lignote panel.

- | | |
|---|--------------|
| 1 Remler 712 Shield Grid Selector and Amplifier unit, including all wire necessary to complete receiver..... | List \$70.00 |
| 1 Remler 752 Foundation Kit, including one steel sub-base, one steel installation panel, one bronze escutcheon plate and all necessary fixed and compensating condensers, cord tip jacks, binding posts, insulating washers, knobs, bolts, nuts and screws..... | 15.00 |
| 2 Remler 110 Universal Drum Dials @ \$4.50..... | 9.00 |
| 1 Remler 632 Two-in-line Condenser..... | 12.00 |



- | | |
|---|----------------|
| 1 Remler 638 Twin-Rotor Condenser..... | \$ 5.00 |
| 1 Remler 920 Audio Transformer..... | 12.00 |
| 1 Frost 1895 500,000 ohm Volume Control..... | 2.00 |
| 1 Frost 1896 200,000 ohm Sensitivity Control..... | 2.25 |
| 1 Frost 1910 10 ohm Gem Rheostat and Switch Combination..... | 1.00 |
| 1 Frost 780 Cable Plug..... | 2.25 |
| 1 Frost 782 Cable Plug Socket..... | .75 |
| No. 2R-36127. Complete Kit with Full Instructions. List, \$131.25. Your NET Price..... | \$77.17 |



A unique and different receiver for custom set builder. It is 5 tube single dial or 10 tube double dial. Distinguished for its mellowness of tone, volume without distortion, excellent selectivity and attractive appearance. Easily assembled in a short time. Full instructions and blueprints. Requires following parts:

Full instructions and blueprints. Requires following parts:

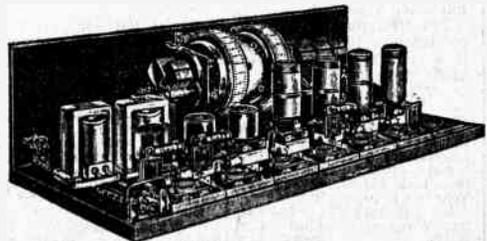
REMLER 1928 Infradyne Receiver

- | | |
|--|-----------------|
| 1 Remler 710 Radio Frequency Amplifier and Antenna Compensator..... | List \$55.00 |
| 1 Remler 700 Infradyne Amplifier..... | 27.50 |
| 1 Remler 750 Foundation Kit..... | 52.00 |
| 1 Remler 760 Cabinet and Base..... | 15.00 |
| 1 Remler 900 First Stage Transformer..... | 8.00 |
| 1 Remler 901 Second Stage Transformer..... | 8.00 |
| 1 Remler 922 Output Transformer..... | 10.00 |
| 1 Voltmeter (Jewell Pattern 135 0-5)..... | 7.00 |
| No. 2R-3728. Complete Kit of parts. List, \$182.50. Your NET Price..... | \$107.31 |

REMLER 115 K.C. Shield Grid Super as Specified in Citizen's Radio Call Book

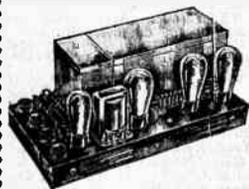
Employs new Shielded Grid Tube with its enormous amplification, self-neutralizing characteristics and great sensitivity. This super has 10 kilocycle selectivity. The circuit employs nine tubes; 2 shielded grid tuned r. f., mixer, 2 stages shielded grid intermediate, oscillator, detector and 2 stages audio. Because of like voltage requirements (3.3 volts) 199 type tubes are used with the shielded grid tubes; one 112A power tube completes this equipment. An ordinary 6-volt "A" battery or eliminator may be used for filament supply.

- Parts required are: 2 Remler 720 Shield Cases @ \$21.00; 2 Remler 110 Drum Dials @ \$9.00; 1 Remler 633 Three in Line Condenser @ \$15.00; 1 Remler 638 Twin Rotor Condenser .00035 Mfd. @ \$5.00; 1 Remler 570 Oscillator Inductance, \$4.50; 6 Remler Interchangeable Inductances Nos. 550, 562, 564, 612 and two 614, \$22.00; 15 Remler 50 Improved Sockets, \$7.50; 3 Remler 61 Resistance Mountings, \$1.50; 1 Remler 502 Antenna Compensator, \$5.00; 3 Remler Knobs DK-10, two 750-12, 60c; 4 Remler 35 Choke Coils, \$3.80; 2 Remler Audio Transformers, 1 First Stage, 1 2nd Stage, \$16.00; 1 Remler 922 Output Transformer, \$10.00; 1 Frost 954 Jack, 45c; 2 Frost Da Luxe Resistance 2,000 ohm, 500,000 ohm, \$4.25; 1 Frost Gem 10 ohm Rheostat, \$1.00; 1 Frost 200 ohm Potentiometer, \$1.00; 3 Frost Fixed Resistances: two 4 ohm, one 1 ohm, 45c; 8 Frost Fixed Condensers: three, .00025, one .0005, one .0001, one .00005, \$4.10; 7 Frost 0.1 mfd. By-Pass Condensers, \$5.50; 1 Frost 780 Radio Cable Plug, \$2.25; 1 Frost 781 Baseboard Cable



Plug Socket, 75c; 3 Durham Grid Leaks two 3 megs, 4 mag., \$1.50; 1 Weston or Jewel Voltmeter 0 to 5 Volt, \$7.00; 2 Eby Posts Ant. and Ground, 30c; 1 Samson (choke Coil 85 mh., \$2.00; 1 Bakelite Drilled and Engraved Panel 7x26x3/16 in., \$8.70; 1 Wood Baseboard 11x25x3/16, \$3.90.

- | | |
|---|----------------|
| No. 2R-3625. Complete Kit of Parts. List, \$163.95. Your NET Price..... | \$96.40 |
| No. R-2461. 3 Remler 55 Ballast Shields @ \$2.00 List or \$1.12 NET. (Recommended but Optional.) | \$9.41 |
| List, \$16.00. Your NET Price..... | |



REMLER
New
950
Power
Am-
plifier

For Remler "29" or other circuits to give full tone quality with CX30 tube. Easy to build and wonderful in performance. Parts required are:

- | | |
|---|----------------|
| 1 Remler 950 Power Transformer and Choke..... | \$45.00 |
| 1 Remler 952 Foundation Kit having needed sockets, resistances, wire, blue prints, etc..... | 12.00 |
| 1 Remler 921 Audio Transformer..... | 12.00 |
| 1 Remler 923 Output Impedance Compens. Transf..... | 20.00 |
| 1 Frost 300 Resistance Kit..... | 9.00 |
| 3 Frost 1405 2 Mfd. H. Duty Filter Cond..... | 12.00 |
| 2 Frost 1105 2 Mfd. By-Pass Cond..... | 4.00 |
| No. 2R-36128. Kit, Complete with Blue Prints and Instructions. List, \$114.00. Your NET Price..... | \$67.03 |



REMLER Interchangeable Inductances

Fits standard UX sockets. Range 200 to 550 meters with .00035 condenser. For shield-grid circuits.

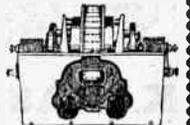
No. R-16195. 540 Prim. Coil 25 turns	
No. R-16196. 541 Prim. Coil 100 turn	
No. R-16197. 542 Prim. Coil 250 turn	

- | | |
|---|--------|
| List, each, \$1.00. Your NET Price..... | 59¢ |
| No. R-4679. 550 Interch. Induct. | |
| No. R-4695. 551 Interch. Induct. | |
| No. R-4681. 560 Interch. Induct. | |
| No. R-4682. 561 Interch. Induct. | |
| No. R-16198. 562 Interch. Induct. | |
| List, each, \$3.00. Your NET Price..... | \$1.76 |
| No. R-16199. 564 Interch. Induct. | |
| List, \$4.00. Your NET Price..... | \$2.35 |
| No. R-4680. 570 Oscillator Induct. | |
| List, \$4.50. Your NET Price..... | \$2.65 |

Long Wave Interchangeable Inductances

- | | |
|--|--------|
| No. R-4682. Remler 612. For input circuit of long wave amplifier. List, \$4.00. | \$2.35 |
| Your NET Price..... | |
| No. R-4680. Remler 570 Oscill. Induct. Range 180 to 460 meters with .00035 mfd. cond. Shunted with single bal. cond. which is furnished. List, \$4.50. | \$2.65 |
| Your NET Price..... | |

REMLER Single Control Equalizer



New way to control condensers on Remler 110 Drum Dial. Incorporates a knob for vernier adjustment of one condenser. This knob matches major control knob and provides true single control.

- | | |
|---|--------|
| No. R-21106. 112 Single Control Equalizer. List, \$5.50. | \$3.23 |
| Your NET Price..... | |
| No. R-21107. Single Escutcheon Plate. List, \$1.75. Your NET Price..... | \$1.03 |
| No. R-21108. Remler 1102 Escutcheon Plate. List, \$2.50. | \$1.47 |
| Your NET Price..... | |
| No. R-21109. Remler 1101 Escutcheon Plate. List, \$5.00. | \$2.94 |
| Your NET Price..... | |

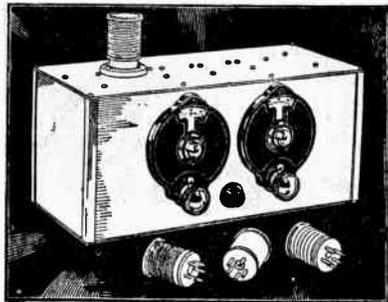
REMLER R. F. Amplifier

Completely shielded unit incorporating two stages of radio frequency amplification and detector. Designed for 201A tubes. Dimensions 2 1/2 x 10 1/2 x 5 1/2 in.

No. 2R-1699. Remler 710 R. F. Amplifier. List, \$55.00.	\$32.34
Your NET Price.....	

THE POPULAR SHORT WAVE APPARATUS

(SM) 730 Round the World Four Screen Grid Short Wave Receiver



Have you had your taste of the "thrill band," the wavelength band from 17 to 200 meters? Down on these low waves are the foreign broadcasters—English 5SW with Clough programs, Dutch, French, German and other rebroadcast programs. Down there you'll find KDKA, WGY, WLW, with true low wave rebroadcast that you can hear when static blankets out their regular waves. And television—it's on the low waves that you hear the musical sing-song that means the transmission of living pictures! In the "thrill band" you can hear amateurs in every continent, in almost every country.

S-M "Round the World" short wave receiver kits build up into such neat, trim, snappy short wave sets that you just can't help getting the thrill of your life as you tune one. And—they have all the advantages of screen grid R. F. amplification, and one dial tuning, new Clough high gain audio amplification with S-M 255 and 256 audios, and complete shielding cabinets! 730 "Round the World Four" is a complete four tube non-radiating short wave receiver kit with aluminum shielding cabinet. It has one screen grid R. F. stage, a regenerative, non-radiating detector and two high gain Clough audio stages. It tunes from 17.4 to 204 meters with four 131-type plug-in coils.

The 731 "Round the World Adapter" is the two-tube R. F. amplifier and detector less the two stage A. F. amplifier of the above set. With an adapter plug, it converts any set to long-distance short wave reception, and is ideal for television reception.

732 "Round the World" Essential Kit contains the new tuning and tickler condensers, four plug-in coils for 17.4 to 204 meters, a coil socket, and three R. F. chokes, with full instructions for building a one, two, three or four tube short wave set.

730 Round the World

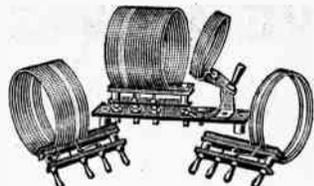
No. 2R-3643 730 Round the World Four kit—Complete kit, factory packed with aluminum cabinet, shpg. wt., 11 lbs. List, \$51.00. **\$29.99**
Your NET Price...
No. 2R-36137 730 Factory Wired with cabinet. List, \$65.00. **\$38.81**
Your NET Price...

731 R-T-W Adapter

No. 2R-3644 731 Round the World Four Adapter—Complete kit, factory packed with aluminum cabinet, shpg. wt., 8 lbs. List, \$36.00. **\$21.17**
Your NET Price...
No. 2R-36138 731 Factory Wired, with cabinet. List, \$45.00. **\$27.05**
Your NET Price...

732 R-T-W Kit

No. 2R-3645 732 Round the World Essential Kit—Complete, factory packed kit as described above. Shipping wt., 3 lbs. List, \$16.50. Your **\$9.70**
NET Price...



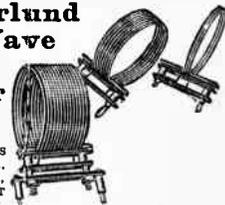
For Better Radio
Hammarlund
PRECISION

Short Wave Plug-In Coils

Self-supporting space-wound. Short circuits are impossible because the wire is firmly anchored to a strong efficient dielectric. Distributed capacity and resistance are at a minimum which means extreme sensitivity and sharp tuning. To further reduce losses, coil mounts, supports and plug-in terminals have been widely spaced. This also keeps down stray circuit capacity which limits frequency range of each coil. Made for .00014 mfd. tuning condensers.

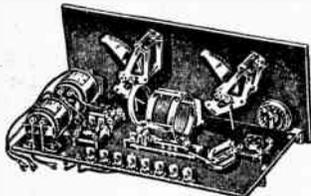
No. R-16157. Model SWT-20 Tuning Coil for 20 meter band, 15-30 meters.
No. R-16158. Model SWT-40 Tuning Coil for 40 meter band, 27-59 meters.
No. R-16159. Model SWT-80 Tuning Coil for 80 meter band, 52-107 meters.
List, each coil, \$2.50. **\$1.47**
Your NET Price...
No. R-16160. Model SWT (20 Tuning Coil for 120 meter band, 100-215 meters.
List, \$3.00. **\$1.76**
Your NET Price...
No. R-16161. Model SWT-3 Base and Tuning Coils for 20, 40 and 80 meter bands.
List, \$10.00. **\$5.88**
Your NET Price...
No. R-16162. Model SWT-B Base Only.
List, \$3.00. **\$1.76**
Your NET Price...

Hammarlund Short Wave Plug-In Inductor Coils



Used in sets with a set of R. F. amplification, using standard or shield-grid tubes. Windings correspond to secondaries of tuning coils. Tune with .00014 mfd. tuning condenser.

No. R-16163. Model SWI-3 Base and Inductors for 20, 40 and 80 Meter Bands.
List, \$5.00. **\$3.53**
Your NET Price...
No. R-16164. Model SWI-B Base Only.
List, \$1.00. **59¢**
Your NET Price...
No. R-16165. Model SWI-20 for 20 Meter Band, 15-30 Meters. **88¢**
List, \$1.50. Your NET Price...
No. R-16166. Model SWI-40 for 40 Meter Band, 27-59 Meters. **88¢**
List, \$1.50. Your NET Price...
No. R-16167. Model SWI-80 for 80 Meter Band, 52-107 Meters. **\$1.18**
List, \$2.00. Your NET Price...
No. R-16168. Model SWI-120 for 120 Meter Band, 100-215 Meters. **\$1.18**
List, \$2.00. Your NET Price...



KARAS 3-Tube Short Wave Set

Short wave broadcasting is on the increase in the U. S. and Europe and with these receivers it will not be difficult to tune in many foreign stations. Static nuisance is appreciably reduced with a Karas Short Wave Receiver. Karas engineers have a reputation as pioneers in precision instruments and all component units of this kit, when assembled according to instructions furnished, make an ideal short wave set. The circuit used is a variation of the regenerative circuit devised by Roy Weagant and proves by years of experiment on the part of amateurs and pioneers in radio to be the best for short wave reception. The kit comes complete in a factory sealed box with 30 especially designed units and all the lugs, screws, wire, etc., necessary. Full instructions and diagrams.

No. 2R-36103. List, Complete, \$52.50.
Your NET **\$30.87**
Price



S-M Midget Short Wave Plug-In Coils

Plug into 5 prong socket. Winding space 1 1/2 in. long by 1 1/2 in. diameter. 3/16 in. slot at bottom. Range

indicated is when used with .00014 condenser.
No. R-16102. S-M 131-U Coil, 31 to 58 meters. **73¢**
No. R-16103. S-M 131-V Coil, 57 to 110 meters. **73¢**
No. R-16104. S-M 131-W Coil, 104 to 204 meters. List, \$1.25. **73¢**
Your NET Price...
No. R-4699. S-M 130-P Coil Form—Unwound, smooth. List, 65c. **38¢**
Your NET Price...
No. R-16100. S-M 130-T Coil Form—Unwound, threaded with 98 1/2 threads. List, 65c. Your NET Price... **38¢**

S-M Plug-In Short Wave Coils

Fit S-M 515 Universal Coil Socket. Ranges given are when used with .00014 mfd. condenser.
No. R-1654. S-M 117-M Coil, 85-150 Meters.
No. R-1655. S-M 117-N Coil, 51-90 Meters.
No. R-1656. S-M 117-O Coil, 30-53 Meters.
No. R-1657. S-M 117-P Coil, 18-32 Meters.
List, \$2.50. **\$1.47**
Your NET Price...
No. R-2410. 515 Coil Socket Only.
List, \$1.00. **59¢**
Your NET Price...



Short Wave Coils in Bulk

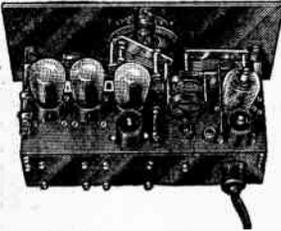
For special-purpose coil construction or for experimentation. Wound on quality dielectric 5/1000 in. thick. No. 16 copper wire, green silk covered, 10 turns per inch.
No. R-16169. 3 in. Diameter.
No. R-16170. 2 in. Diameter.
List, 40¢ per inch. **24¢**
Your NET Price... Per Inch,

SHORT AERO COIL WAVE

Aero Short Wave receiving coils are accepted by experimenters and engineering experts as the finest short wave coils obtainable. This is due to their extreme low-loss construction, general sturdiness and

excellent electrical characteristics. The new "International" short wave coils are an improvement on former designs.

AERO "INTERNATIONAL" Short Wave Receiver



The first receiver designed exclusively for short wave use. Employs one stage of aperiodic shield grid amplification. A 4 tube set with only one tuning control. Covers all wave lengths. The new Aero audio transformers are type hitherto used only in broadcast amplifiers. Single tuning dial back of engraved silver escutcheon panel 7x14 in. Volume control not too critical. Complete to last screw and nut. Factory sealed kit. Full assembly instructions.

List, \$55.30. Your NET Price.....

No. 2R-3670. Aero Kit 8. **\$32.52**

AERO INTERNATIONAL Short Wave Converter

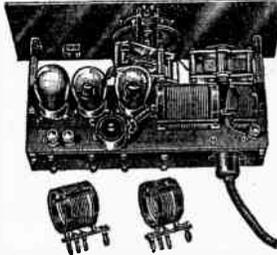
The Aero International two tube Converter for D-C receivers embodies one stage of radio frequency amplification utilizing a shield grid tube and a regenerative detector. Only one tuning control, one volume control and a filament rheostat. A wonderful little unit, only 7 in. x 10 in. x 6 in. which will give your broadcast set a range of thousands of miles. Complete with wired sub-panel and everything necessary for assembly except soldering iron and screwdriver. Factory sealed kit. Detailed instruction sheet.



No. 2R-3672. Aero Kit 9. List, \$38.90. **\$22.87**
Your NET Price.....

Other AERO Products Are Shown on Pages 23, 62 and 63 of This Book

AERO STANDARD Short Wave Receiver

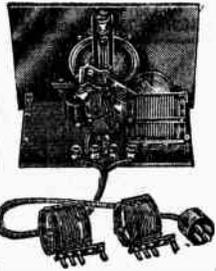


The Aero Standard three tube short wave receiver for either A-C or D-C tubes utilizes a regenerative circuit proven by years of excellent results in the hands of amateur operators. This kit now contains the new superior Aero audio transformer of broadcast amplifier type. Single tuning control. Panel, 7x14 in. Includes all condensers, coils, transformers, panels, brackets, etc., in fact, everything ready to put together. Factory sealed kit. Complete detailed instructions furnished. No. 2R-3669. Aero Kit 10 for A-C Tubes. No. 2R-3668. Aero Kit 11

for D-C Tubes. List, Complete Kit, \$49.95. Your NET Price..... **\$29.37**

AERO STANDARD Short Wave Converter

The Aero Standard Short Wave Converter for A-C or D-C receivers can be assembled in a few minutes and can be plugged into the detector or sometimes the first R.F. socket of any receiver, utilizing the same tube which has been removed from the socket in which the converter is plugged. Sub-panel already wired. Factory sealed kit. Complete instructions.



No. 2R-3666. Aero Kit 12 for D-C Tubes. No. 2R-3667. Aero Kit 14 for A-C Tubes. List, \$32.00. Complete Kit. Your NET Price..... **\$18.82**

Aero "International" Short Wave Receiving Coils Coil Kit LWT 12



A plug-in mounting base with variable primary and three new plug-in coils. Use in 3 circuit sets. Range 16.5 to 89.5 meters. No. R-16108. Kit LWT-12. **\$7.35**
List, \$12.50. Your NET Price.....

Coil Kit-LWT 11



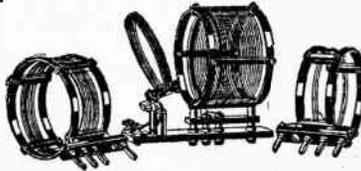
A plug-in mounting base without primary and 3 coils for use after shield grid tube. Range 16.5 to 89.5 meters. No. R-16109. Kit LWT-11. **\$6.76**
List, \$11.50. Your NET Price.....

Coil Kit-LWT 10



Use with Foundation Units having plug-in mount or to replace LWT-125 coils. Same 3 coils on LWT kit. No. R-16110. Kit LWT-10. **\$6.17**
List, \$10.50. Your NET Price.....

AERO Short Wave Receiving Coils



Interchangeable. 95% air dielectric. Kit includes 3 coils and base mounting with variable primary, covering 15 to 130 meters with a .00014 tuning condenser and .00025 regeneration condenser. No. R-1606. Kit LWT-125. **\$7.35**
List, \$12.50. Your NET Price.....

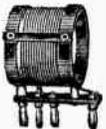
BROKEN KIT PARTS

No. R-4635. Coil INT-1. 15 to 33.5 meters. No. R-4636. Coil INT-2. 31½ to 68 meters. No. R-4637. Coil INT-3. 57 to 130 meters. List, Each Coil, \$4.00. **\$2.35**
Your NET Price.....
No. R-4638. LWT Mounting Base with Primary. List, \$3.00. **\$1.76**
Your NET Price.....

BROKEN KIT PARTS

For International S.W. Coils
No. R-16187. Coil INT-101. 16.5 to 32 meters. No. R-16188. Coil INT-102. 26.2 to 48.7 meters. No. R-16189. Coil INT-103. 46.7 to 89.5 meters. No. R-16190. Coil INT-104. 87 to 105 meters. List, each coil, \$4.00. **\$2.35**
Your NET Price.....
No. R-16191. Type 100P. Base with primary. List, \$3.00. **\$1.76**
Your NET Price.....
No. R-16192. Type 100W. Base without primary. List, \$1.50. **88¢**
Your NET Price.....

AERO Plug-In Coils



The range of the LWT-125 Kit can be considerably increased by adding these coils:

No. R-4628. Coil INT-0. 13 to 29 meters. No. R-1607. Coil INT-4. 125 to 250 meters. No. R-1608. Coil INT-5. 250 to 550 meters. List, each coil, \$4.00. **\$2.35**
Your NET Price.....

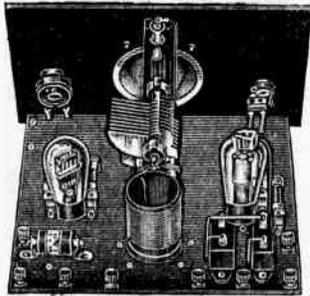


Daven D. R. F. Coils

Entirely redesigned resulting in even greater selectivity, sensitivity and volume. Coils consisting of 2 stage T. R. F. and 1 tuned detector were originally developed for Daven Bass Note Circuit. These new improved coils are results of reports of thousands of fans in many locations. For use with .0005 mfd. var. cond. to cover entire wave band. 3 in. long and 1½ in. in diameter. No interaction or feed back. Shielding unnecessary. For any T. R. F. circuit. Easily controlled and perfectly balanced.

No. R-16193. Set of 3 Coils. List, \$8.00. Your NET **\$4.70**
Price.....

Other Daven Apparatus Appears on Pages 73 and 89.



NATIONAL Screen Grid Short Wave Receiver

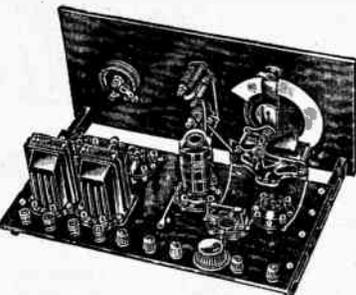
To hear very many more stations, and for experimental television and long distance short wave reception. It is not uncommon to get broadcasts from ANE at Java, 3LO at Melbourne, 5SW at London, FCJJ in Holland, etc. Static and fading become negligible factors. Foundation unit design of this receiver makes efficient layout with but few connections to complete assembly. The 222 tube in first stage improves sensitivity over plain regenerative detector type. Also prevents radiation. Shielding is unnecessary. Four easily interchangeable coils cover band of 100 to 14 meters. Regular 200-600 meter coils may be obtained.

Parts to Build This Receiver

- 1 National Foundation Unit. Includes Westinghouse Micaera panels, sockets, gridleak and R. F. Choke Mounts, completely drilled, ready to assemble..... \$ 7.25
- 1 National Dial, Type E with Type 23 Illuminator..... 3.25
- 1 National Cond. Short Wave Type, 125 Mfd..... 4.50
- 1 National Transf. Coil. 4 Coils are required to cover the range of 15 to 100 meters..... 10.00
- 1 Molded Mica Cond. .001 Mfd..... .50

- 1 Molded Mica Cond. .00025 Mfd..... \$ 0.40
- 2 By-pass Cond. .5 Mfd. @ \$1.00..... 2.00
- 1 By-pass Cond. 1.0 Mfd..... 1.25
- 1 Electrad Royalty Resistor No. 1..... 1.50
- 1 Lynch Equalizer No. 2..... 1.00
- 1 Lynch Equalizer No. 15..... 1.00
- 1 Gridleak—6 megohms..... .50
- 1 Waxley Filament Switch..... .50
- 8 Eby Binding-Posts..... 1.20

No. R-36108. Complete Kit with Instructions..... **\$20.49**
List, \$34.85. Your NET Price.....



Pilot Wasp Short Wave Receiver Kit

Tunes From 17 to 500 Meters

An efficiently operating and easily assembled short wave circuit. The most distant European and Australian stations can be brought in with this set. Serves for wireless as well as for reception of short waves. The heart of this set is found in the Plug-in coils which are small in size but sturdy in construction. Wave band changes made instantly. Coils have different colored handling rings and when plugged into tube socket make perfect contact. Stages can be easily shielded.

List of Parts

- 1 Kit Wasp Short Wave Plug-in Coils.
- 3 UX Sockets Pilot Type 213
- 1 5 Prong Socket for Coils Type 212.
- 1 R. F. Choke Coil, Twin Coupler Type 130.
- 1 .00014 Mfd. Var. Cond. Pilot Type 1606.
- 1 Illuminated Dial Pilot Type 1232L.
- 2 .0001 Var. Cond. Pilot Type J23.
- 1 .000015 Ant. Series Cond. Pilot Type J5.
- 1 .0002 Grid Condensers Pilot Type 50D.
- 2 pr. Grid Cond. Clips Pilot Type 50.
- 1 10 Meg. Grid Leak Pilot Type 761.

- 1 100,000 ohm Resistor Pilot Type 750.
- 1 10 ohm Rheostat Pilot Type 910.
- 2 Audio Trans. 3/4 to 1 Pilot Type 391.
- 10 Binding Posts.
- 2 Sub-panel Brackets Pilot Type 35.
- 1 7x14 3/8 in. Front Panel Pilot Type 186.
- 1 7x14 3/8 in. Sub-Panel Pilot Type 187.
- 1 Pkg. Hdws., Screws, Nuts, Lugs, etc.
- 1 Instruction Sheet.

No. 2R-3699. Complete Kit. List, \$33.50. Your NET Price..... **\$19.70**



Short Wave Coil Set

Coils space wound on celluloid tubing. Length of base is 7/8 in. Kit consists of No. 1 coil used as primary, No. 2 coil range 19-220, No. 3 coil 33-105, No. 4 coil 86-220 meters.

- No. R-4639. Kit. List, \$3.82
- \$6.50. Your NET Price.....
- No. R-4640. Plug-in Coil 200-550 meters, to fit above base. List, \$1.18
- \$2.00. Your NET Price.....

National Equacycle Condenser

S. L. F. has 270° rotation, built into girder frame. Double plate spacing and special type of torsion pivot makes it well suited for short wave work. .000125 Mfd.
No. R-15128. List, \$4.50. **\$2.65**
Your NET Price.....



Transmitting Meters

Widely used for amateur transmission. Uniform in size, 3 in. body, 3/4 in. flange. Shpg. wt., 3 lbs.



Jewell Pattern 54 D-C

No.	Range	List	NET
R-22298	0-5 Volts	\$7.50	\$5.61
R-22299	0-10 Volts	7.50	5.61
R-22300	0-150 Volts	9.50	6.39
R-22301	0-500 Volts	15.50	11.39
R-22302	0-1000 Volts	22.50	16.54
R-22303	0-1 Amperes	7.50	5.51
R-22304	0-5 Amperes	7.50	5.51
R-22305	0-10 Amperes	7.50	5.51
R-22306	0-5 Milliamps.	7.50	5.51
R-22307	0-300 Milliamps.	7.50	5.51
R-22308	0-300 Milliamps.	7.50	5.51
R-22309	0-1 Milliamps.	9.00	6.61
R-22310	50-0-50 Galvanometer	9.00	6.61

Jewell Pattern 64

R. F. Ammeter

Thermo-couple type. Extremely accurate. Guaranteed overload capacity of 50%.

No.	Range	List	NET
R-22211	0-5 Amps.		
R-22212	0-1 Amps.		
R-22213	0-1.5 Amps.		
R-22214	0-2.5 Amps.		
R-22215	0-3 Amps.		
R-22216	0-5 Amps.		
R-22217	0-10 Amps.		
R-22218	0-15 Amps.		

List, Each, \$12.00. **\$8.82**
Your NET Price.....

No. R-22119. 0-100 Galvanometer. List, \$15.00. **\$11.02**
Your NET Price.....

Jewell Pattern 74 A-C Voltmeter

Used for filament control in power tubes.

No.	Range	List	NET
R-22220	0-3 Amps.		
R-22221	0-5 Amps.		
R-22222	0-15 Amps.		
R-22223	0-3 Volts		
R-22224	0-5 Volts		
R-22225	0-10 Volts		
R-22226	0-15 Volts		
R-22227	0-25 Volts		

List, Each, \$7.50. Your **\$5.51**
NET Price.....

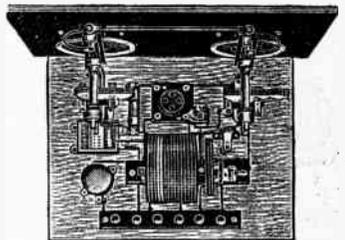
No. R-22128. 0-150 Volts. **\$6.98**
List, \$9.50. Your NET Price.....

No. R-22129. 0-3-15-150 Triple Range Volts. List, \$13.50. **\$9.92**
Your NET Price.....

For Better Radio Hammarlund Short Wave Receiver-Converter

This clearer layout is both a complete short wave receiver and a converter to attach to any broadcast receiver. When used as a converter, the adapter plug is placed in the detector socket—that is all you have to do. It is built around the famous Hammarlund short wave coils, noted for their superior construction, rigidity and low losses. They are considered one of the best short wave coils on the market.

Television, telephony, and telephoto work is done almost entirely on short waves. New short-wave broadcasting stations are springing up all over the world. Thousands of short wave listeners-in are picking up 5SW London nightly at 6:30 P. M. Eastern



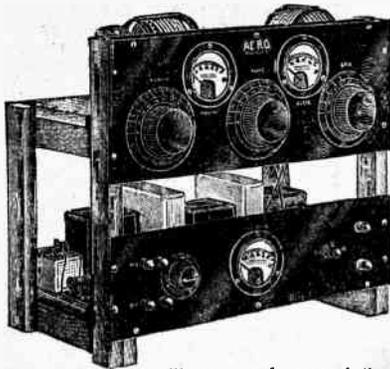
Standard time—24 Meters is the wave length. There is an enormous thrill in the 'boom' of Big Ben! The simple circuit is very effective. Static and fading are reduced to a minimum.

Parts to Construct Receiver-Converter

- | Part | List | Part | List |
|---|---------|---|---------|
| 1 Hammarlund Short Wave Coil Set Type SWT-3 | \$10.00 | 1 Socket plug adapter (Read-Rite)... | \$ 1.00 |
| 2 Hammarlund .00014 mfd. Var. Con. @ \$4.75 | 9.50 | 2 National Velvet Vernier type E dials @ \$2.75 | 5.50 |
| 1 Hammarlund RFC-250 R.F. Choke | 2.25 | 1 Parvot .5 mfd. series A Condenser | 1.00 |
| 1 Hammarlund 70 Ohm Equalizer | .75 | 6 Eby binding posts | .90 |
| 1 Benjamin 4-prong socket | .50 | 1 Binding post strip | .30 |
| 1 Durham grid leak mount | .50 | 1 9x10 in. base board | .60 |
| 1 Durham grid leak 3 to 9 megohms | .50 | | |
| 1 1A Amperite | 1.10 | | |
| 1 7x14 3/8 in. Bakelite Panel | 1.53 | | |
- No. R-36109. Kit complete with detailed instructions and schematic drawings. Total List, \$36.03. **\$21.19**
Your NET Price.....

TRANSMITTING PARTS & APPARATUS

The AERO Radiophone Transmitter Type 50 To Plug into Light Socket



These transmitters have been the means of introducing thousands of expert amateur operators to the mysteries of round the world communication. Picture shows how it is arranged in two units on one mounting. The upper deck contains all radio frequency circuits and lower deck or shelf contains all power or voice currents. Thus, coupling and internal interference are avoided. Has necessary binding post for microphone; key for code; battery and trip switch for changing from telegraphy to telephony.

The best way to get into the transmitting game.

No. R-3630. Complete Kit of Parts. List \$148.75. **\$87.46**
Your NET Price.....

No. R-3698. Type 51. For code transmission only, and to use battery power. Looks like upper panel of set shown. Complete Kit of Parts. List, \$74.85. Your NET Price..... **\$44.01**

Aero High Powered Transmitters are available for 150 watt and 500 watt service, both on phone and C. W. Prices on application.



Aero Interchangeable Transmitter Kits

30 Watt Coils

No. R-1610. Aero Transmitter Kit 2040K. Range, 16.5 to 52 Meters.

No. R-1609. Aero Transmitter Kit 4080K. Range, 36 to 90 Meters.

No. R-4105. Aero Transmitter Kit 9018K. Range, 90 to 180 Meters.

Each of above kits complete. **\$7.06**
List, \$12.00. Your NET Price.....

Broken Kits

No. R-4629. One 16.5 to 52 Meter (Aero 2040C) Coil.

No. R-4630. One 36 to 90 Meter (Aero 4080C) Coil.

No. R-4631. One 72 to 190 Meter (Aero 9018C) Coil.

List, \$4.00. **\$2.35**
Your NET Price.....

No. R-4633. One Grid Mounting Base. List, \$1.00. **59¢**
Your NET Price.....

No. R-4632. One Antenna Mounting Base (Aero PRI-300). List, **\$1.76**

\$3.00. Your NET Price.....

150 Watt Coils

General appearance and specifications same as 30 watt type, but wound with heavy silvered copper strip.

No. R-16151. Aero Transmitter Kit (Aero 24-K). Range, 16.5 to 52 Meters.

No. R-16152. Aero Transmitter Kit (Aero 48K). Range, 36 to 90 Meters.

No. R-16153. Aero Transmitter Kit (Aero 98-K). Range, 72 to 190 Meters.

Each of above kits complete. **\$8.82**
List, \$15.00. Your NET Price.....

Broken Kits

No. R-16154. One 16.5 to 52 Meter (Aero Tel-24C) Coil.

No. R-16155. One 36 to 90 Meter (Aero Tel-48CC) Coil.

No. R-16156. One 72 to 190 Meter (Aero Tel-98C) Coil.

List, \$5.50. **\$3.23**
Your NET Price.....

Aero No. C-248 No-skip Transmitting Choke



For transmitting circuits using less than 50 watt tubes, the Aero Choke No. C-248 furnishes the high impedance of usual amateur wave lengths.

No. R-4634. List, \$1.50. **88¢**
Your NET Price.....

Thordarson 30 Henry Choke

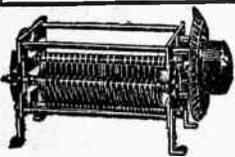
Model R-196
30 Henry, 80 M. A.,
1000 Volt insulation;
shielded. Dimensions,
2½x2½x3 inches high.
Weight, 2 lbs.

No. R-1750. List, \$5.00. Your **\$2.94**
NET Price ...

Other THORDARSON Transformers are shown on Page 36.



National Transmitting Condensers



National Condensers are widely used by the U. S. Government, broadcasting stations and amateur transmitters, and are designed to be mechanically correct. The condensers listed below are standard sizes and are supplied with either ¼ in. or ⅜ in. spacing between adjacent stator plates for high voltage work.

No.	Type	Capacity	Voltage	Plates	Spacing	List	NET
R-15121	TM35	.00035	60H0	7	¾ in.	\$ 5.50	\$ 3.23
R-15122	TM30	.00035	60H0	12	¾ in.	12.50	7.35
R-15123	TM100A	.0001	30H0	11	¾ in.	4.50	2.85
R-15124	TM150	.00015	60H0	23	¾ in.	10.00	6.33
R-15125	TM230	.00023-5	30H0	17	¾ in.	5.00	2.94
R-15126	TM230A	.00023-5	60H0	35	¾ in.	16.25	9.55
R-15127	TM350	.00035	30H0	23	¾ in.	9.00	5.29
R-15128	TM450	.00045	30H0	51	¾ in.	20.00	11.76
R-15129	TM350	.00035	30H0	35	¾ in.	12.50	7.35
R-15130	TM450	.00045	30H0	43	¾ in.	14.00	8.23

TOBE

New Line Transmitting Condensers

Bigger, heavier and capable of withstanding increased voltage surges.

1100 Volts D-C

No.	Mfd. Cap.	List	NET
R-15122	1	\$ 7.50	\$ 4.41
R-15123	2	10.50	6.17
R-15124	5	21.50	12.64

2200 Volts D-C

No.	Mfd. Cap.	List	NET
R-15125	1	\$10.00	\$ 5.68
R-15126	2	18.00	10.56
R-15127	5	32.00	18.82



Signal Standard Key

Very sturdy. Coin silver contact. Polished and lacquered brass parts. ¾ in. contacts.

No R-4100. List, \$3.50. **\$2.06**
Your NET Price.....



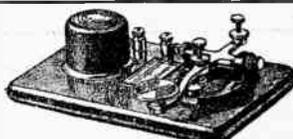
Microphones

Solid back carbon type. Reproduce faithfully voice and musical frequencies over full range. Designed for amateur radio fans and general apparatus work. Equipped with cords. Extremely sensitive and rugged in construction.

No. R-4101. (Frost 155.) Hand Microphone. List, \$6.00. **\$3.53**
Your NET Price.....

No. R-4102. (Frost 159.) Desk Microphone. List, \$8.75. **\$5.14**
Your NET Price.....

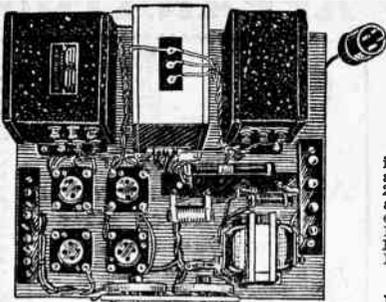
No. R-4103. (Frost 157.) Pony Arm Microphone for panel or wall mount. List, \$4.50. **\$2.65**
Your NET Price.....



Genuine SIGNAL Code Practice Set

Just the instrument for those who want to learn the code. The code is printed on a little brass plate fastened to base. Equipped with high frequency buzzer and fine quality key.

No. R-4104. List, \$3.40. **\$2.00**
Your NET Price.....



THORDARSON 250 Plug-In Power Amplifier and Plate Supply

Exceedingly simple to assemble. No changes in receiver wiring necessary. Efficient, quiet, and provides complete power to fully operate 250 power tube and supply plate voltages for any set, regardless of its current drain. Kit complete contains:

- 1 T-2900 Power Transformer
- 1 T-3099 Double Choke Unit
- 1 T-2901 Speaker Coupler Trans. for High Impedance Speaker, T-2902 for Dynamic Speaker
- 1 R-2098 Resistance Kit
- 1 Power Input Plug
- 1 Potter No. T-2900 250 Block
- 1 Electrad Fixed Resistance, 1,500 ohms, 25 watts
- 4 Standard 4-prong Sockets
- 8 Binding Posts
- 1 1-Mfd. By-pass Condenser
- 1 Wood Baseboard, 14x12x1/2 in.
- 1 Bakelite Panel, 14x12x3/4 in.
- 1 Complete Instruction Sheet.

No. 2R-36104. Kit Complete. List, \$87.15.
Your NET Price..... **\$51.24**

Specify type of speaker to be used.
Uses following tubes: Two 281 Rectifiers, one 250 Power Amplifier, 1 374 Voltage Regulator.

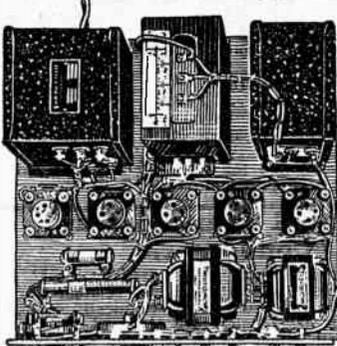
THORDARSON

210 Push-Pull Power Amplifier

Single Stage Power Amplifier and Plate Supply incorporating two 210 tubes having an undistorted power output of over 3,000 milliwatts. Two kits, one for dynamic and another for high impedance speaker. Kit, complete, contains:

- 1 T-2098 Power Trans.
- 1 T-2099 Double Choke Unit
- 1 T-2408 Push-Pull Input Trans.
- 1 Push-Pull Output Choke, T-2420 (for High Impedance Speakers)
- 1 R-2098 Resistance Kit
- 1 210 Potter Block
- 5 Standard CX Sockets
- 1 Wood Baseboard, 12x12x1/2 inch
- 1 Pc. Bakelite, 8x12x3/4 inch
- 7 Binding Posts
- Complete instruction sheet.

No. 2R-36105. Kit, Complete. List, \$78.70.
Your NET Price..... **\$46.28**

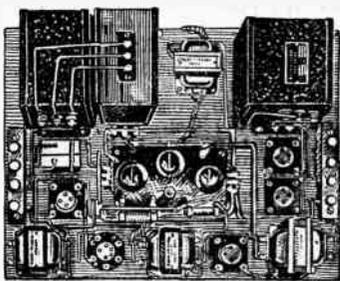


No. 2R-36110. Kit, same as 2R-36105, but with Type T-2922 Input, T-2629 Output, and R-210 Extra Heavy Duty Cond. Block—For Dynamic Speakers. List, \$88.20. Your NET Price..... **\$51.86**
Uses following tubes: Two 210, two 281 Rectifying, one 374 Voltage Regulator.

THORDARSON 250 Two- Stage Power Amplifier and Plate Supply

Completely self operated. May be used with receiver (regardless of its current drain) or with an electric phonograph pickup. Great undistorted volume. Connect to either dynamic or impedance speaker.

- Kit complete contains:
- 1 T-2300 Power Trans.
 - 1 T-3099 Double Choke Unit
 - 1 T-3081 Filament Supply Trans.
 - 1 Speaker Coupling Trans. T-2901 for High Impedance Speaker, T-2902 for Dynamic Speaker
 - 1 R-2098 Resistance Kit
 - 1 250 Block (Potter)
 - 2 1-Mfd. By-pass Condensers
 - 1 1,500 ohm Resistor, 25-watt capacity
 - 4 Standard Four-prong Sockets
 - 1 Standard Five-prong Socket
 - 10 Binding Posts
 - 1 Variable Resistor, 2,000 ohms
 - 1 Potentiometer, or center tapped fixed resistor, 25 ohms
 - Complete instruction sheet.



No. 2R-36106. Kit Complete. List, \$109.60. Your NET Price..... **\$64.44**

Requires following tubes:
1 250 Type Power Amplifying; 1 374 Type Voltage Regulator; 2 281 Type Rectifier.

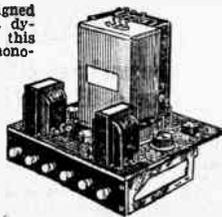
THORDARSON 210 Phonograph Amplifier

A compact, self-contained, 2 Stage Amplifier, A-C operated, designed for Dynamic Speaker. No need to discard old phonograph. The dynamic speaker and an electrical pick-up combination operated by this 210 amplifier give you equivalent of best commercial electrical phonograph.

- Kit complete contains:
- 1 R-210 Power Compact
 - 2 R-300 Audio Transformers
 - 1 210 Potter Block
 - 1 Electrad Fixed Resistor, 5,000 ohms, Type B
 - 1 Yaxley 400 ohm Potentiometer
 - 3 Benjamin Sockets (Sub-panel)
 - 6 Binding Post (Sub-panel)
 - 3 Benjamin Sub-panel Brackets
 - 1 Pc. Bakelite 10x10x3/4 inch

1 Pc. Bakelite 10x2x3/4 inch
Complete instruction sheet
No. 2R-36107. Kit Complete. List, \$49.48.
Your NET Price..... **\$29.09**

Requires following tubes:
1 281 Type Rectifier; 1 210 Type Power Amplifier; 1 189 Type Amplifier.



THORDARSON Trans- mitting

Equipment Filament Supply



Transformers
for 115 Volt
50-60 Cycle
Service

No. R-1782.
Model T-2180 5 volts,
center-tapped. List, \$5.00.
Your NET Price..... **\$2.94**

No. R-1781. Model T-2230 7.5 volts,
center-tapped. List, \$7.50.
Your NET Price..... **\$4.41**

No. R-4730. Model T-2382 12 volts,
center-tapped. List, \$10.00.
Your NET Price..... **\$5.88**

No. R-4731. Model T-2383 12 volts,
center-tapped. List, \$15.00.
Your NET Price..... **\$8.82**

No. R-4769. Model T-2370 1.25 volts,
no center tap. List, \$5.00.
Your NET Price..... **\$2.94**

No. R-4742. Model T-2504 3 volts,
center-tapped. List, \$7.50.
Your NET Price..... **\$4.41**

No. R-4708. Model T-2445 1.5 volts,
no center-tap; 2.5 volts, center-tapped; 3
volts, center-tapped. List,
\$10.00. Your NET Price..... **\$5.88**

Transmitting Plate Supply Transformers

Steel Case, Crackle
Finish, Compound
Filled.



No. R-4732.
Model T2385 — 550V,
and 750V, each side
of center tap. List,
\$16.00.

Your NET Price..... **\$9.41**
No. R-4733. Model T2387 — 1,000V,
and 1,500V, each side of center tap.
List, \$22.00. Your NET
Price..... **\$12.94**

No. R-4734. Model T2388 — 1,500V,
and 2,000V, each side of center tap. List,
\$30.00. Your NET
Price..... **\$17.64**

No. R-4735. Model T2389 — 1,500V,
and 2,000V, each side of center tap. List,
\$40.00. Your NET
Price..... **\$23.52**



Filter Reactors

Open frame type.
3,000V. insulation.

No. R-4736. Model
T2353—6 Henry, 150 M.A.
A. List, \$7.50. Your
NET Price..... **\$4.41**

No. R-4737. Model
T2071—30 Henry, 150 M.A.
List, \$16.00. Your NET Price..... **\$9.41**

No. R-4738. Model T2027—30 Henry,
500 M.A. List, \$22.00.
Your NET Price..... **\$12.94**

No. R-4739. Model T2073—30 Henry,
500 M.A. List, \$30.00.
Your NET Price..... **\$17.64**

Double Filter Reactor

No. R-4702. Model
T-2099. Each reactor 30
Henry, 120 M.A. 1,000V. in-
sulation, compound filled steel
case. List, \$14.00. Your
NET Price..... **\$8.23**



Microphone Coupling Transformers

No. R-4767.
T-1608. To couple Kel-
logg or Western Elec-
tric broadcast Micro-
phone to amplifier.
List,
\$18.00. Your NET Price..... **\$10.58**

No. R-4768. T-2357. A coupling
transformer for single button microphone.
List, \$5.00. Your NET
Price..... **\$2.94**



(SM) Silver-Marshall 680 Unipac Power Amplifiers

No matter what kind of a set you have or are going to build, you'll need power and audio amplification for it. And in Silver-Marshall light socket power amplifiers and Reservoir Power Units you'll find the answer.

S-M 681-210 and 681-250 Single Stage Unipac Amplifiers

The S-M single stage power amplifiers and "B" supplies are available, to replace "B" batteries on any receiver and to add a stage of super-power amplification. Type 681-210 is a truly push-pull amplifier using two 210 or 250 power tubes, two 281 rectifiers and a 374 voltage regulator tube. It supplies a stage of power amplification and 45, 90, and 135 volts "B" to the radio receiver. A lower priced unit is the 681-250, exactly the same as 681-210, but having only one 250 amplifier tube, though the same as 681-210 in other respects. Size, 1 7/8 in. long, 1 1/2 in. high, 9/8 in. deep.

- No. 2R-3601. Type 681-210 Unipac Kit—Push-Pull Type, factory packed, less tubes. Shpg. wt., 62 lbs. **\$51.16**
- List, \$87.00. Your NET Price...
- No. 2R-3602. Type 681-210 Wired Unipac—Push-Pull Type, factory wired and tested, less tubes. Shpg. wt., 62 lbs. List, \$102.00. Your NET Price... **\$59.98**
- No. 2R-0756. Type 681-250 Unipac Kit—Factory packed, less tubes. Shpg. wt., 62 lbs. List, \$81.50. **\$47.92**
- Your NET Price.....
- No. 2R-0757. Type 681-250 Wired Unipac—Factory wired and tested, less tubes. Shpg. wt., 62 lbs. **\$56.74**
- List, \$96.50. Your NET Price.....

S-M 682-210 and 682-250 Two-Stage Unipac Amplifiers

Two complete two-stage super-power Unipac Amplifiers. For amplification of radio set detector output or phonograph record pickup are the finest of their types. Type 682-210 uses one 226 first stage tube, two 210 or 250 super-power tubes in a push-pull second stage, two 281 rectifiers, and a 374 voltage regulator tube. It supplies two stages of power amplification and 45, 90, and 135 volts "B" power for a receiver. Type 682-250 is the same Unipac except that it uses only one 210 or 250 tube in the last stage. Size, 1 7/8 in. long, 1 1/2 in. high, 9/8 in. deep.

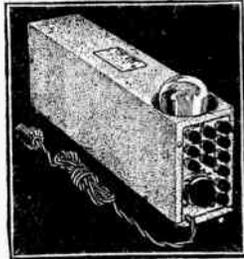
- No. 2R-3603. Type 682-210 Unipac Kit—Push-Pull Type, factory packed, less tubes. Shpg. wt., 69 lbs. **\$59.98**
- List, \$102.00. Your NET Price.....
- No. 2R-3604. Type 682-210 Wired Unipac—Push-Pull Type, factory wired and tested, less tubes. Shpg. wt., 69 lbs. **\$68.80**
- List, \$117.00. Your NET Price.....
- No. 2R-0758. Type 682-250 Unipac Kit—Factory packed, less tubes. Shpg. wt., 69 lbs. List, \$96.50. **\$56.74**
- Your NET Price.....
- No. 2R-0759. Type 682-250 Wired Unipac—Factory wired and tested. Less tubes. Shpg. wt., 69 lbs. **\$65.56**
- List, \$111.50. Your NET Price.....

(SM) Silver-Marshall Reservoir B and ABC Power Supplies

The new S-M 670B and ABC Power Supply Units are unquestionably one of the highest grade B and ABC units in the radio field. Replacing the older model S-M Reservoir B units, they uphold their reputation in every way and perform faithfully and noiselessly, providing a source of power as steady and continuous as the current in your light socket.

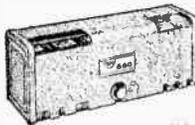
The new 280 type full wave rectifier is used, giving best filtering and thus providing a surplus of current at all times. The filter system is the famous S-M "brute force" type, insuring freedom from hum and other troubles associated with eliminators. There are two types, 670B and 670ABC. The 670B supplies fixed voltages of 22, 90, 135 and 180 volts, and a variable voltage of 22 to 90 volts calibrated at 22, 45, 67 and 90 volts. A total of 60 m.a. may be drawn at these voltages. It is the only B power supply with voltages accurate enough for the safe use of screen-grid tubes.

The 670 ABC Unit supplies the same B voltages as 670B, and in addition provides 1 1/2 volts at 4 amperes, 2 1/2 volts at 3.5 amperes and 5 volts at 1/2 ampere—enough for four or five 226 type, two 227 type and two 171A type tubes. It is a complete ABC power supply for any A-C set of six or seven tubes. Both models are supplied, in either kit or wired form, with a beautiful crackle brown steel cabinet, 13 in. long, 5 1/4 in. high, 3 3/8 in. wide, to fit into any radio set cabinet, where desired.



- No. 2R-0760. Type 670B Kit—Factory packed, less tubes. Shpg. wt., 14 lbs. List, \$40.50. Your NET **\$23.81**
- Price.....
- No. 2R-0761. Type 670B Wired Power Supply—Factory wired and tested, less tubes. Shpg. wt., 14 lbs. List, \$43.50. **\$25.58**
- Your NET Price.....
- No. 2R-0762. Type 670 ABC Kit—Factory packed, less tubes. Shpg. wt., 14 lbs. List, \$43.00. **\$25.28**
- Your NET Price.....
- No. 2R-0763. Type 670 ABC Wired Power Supply—Factory wired and tested, less tubes. Shpg. wt., 14 lbs. **\$27.05**
- List, \$46.00. Your NET Price.....
- No. 2R-27136. Type 670B or 670 ABC Case, Chassis and Panel Unit. Brown crystalline finished steel case, 13 in. long, 5 1/4 in. high, 3 3/8 in. wide, complete with sheet chassis and drilled micaara panel. Shpg. wt., 2 lbs. 14 oz. **\$2.35**
- List, \$4.00. Your NET Price.....
- No. R-18266. Type 672 Restorator—used in 670B and ABC, a two section vitreous enamel resistor, one section 2500 ohms tapped at 1250 ohms, and one section, insulated from first, 3000 ohms. Shpg. wt. 1 1/4 oz. **\$1.32**
- List, \$2.25. Your NET Price.....

S-M 678P Phonograph Amplifier

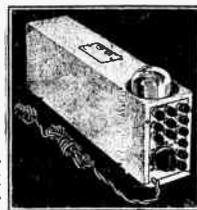


The new S-M 678P Phonograph Amplifier replaces the former type 678 Unipac amplifier with a new unit of greatly improved performance. This new amplifier is for use with a magnetic phonograph pick-up only and when so used it will provide the finest reproduction of records attainable for this class of amplifier with greater volume than any other standard two-stage types.

The unit consists of a two-stage power amplifier with self-contained power supply, using one 226 and one 210 or 250 tube in conjunction with the new S-M 255 and 256 audio transformers. With these new transformers every note on electrically cut phonograph records is brought out with full volume and true tone quality. The 678P Unipac employs one 226, one 210 or 250, and one 281 tubes, and is complete in itself for operation upon addition of record pick-up, loud speaker and tubes. It will develop sufficient volume for small theaters and dance-halls. Both units are factory built. Shpg. wt., 36 lbs.

- No. 2R-07105. Type 678P Unipac Phonograph amplifier for standard speakers. List, \$78.00. Your NET **\$45.86**
- Price.....
- No. 2R-07106. Type 678P-D Unipac Phonograph amplifier for dynamic speakers having own field excitation. List, \$78.00. Your NET Price... **\$42.92**

S-M 675 Hivolt Power Supply



The 675 Hivolt power supply allows the use of a 210 or 250 super power tube in the last stage of any receiver, adding greatly to its tone quality and power handling capacity. This means that any radio receiver can be brought up to date and given the tone quality of the most expensive 250 equipped A-C sets. Or the 675 ABC may be used as an ABC power supply for any A-C tube equipped set. The 675 Hivolt uses one 281 rectifier and supplies 22, variable 45 to 90, 90, 135 and 425 volts B, and 1 1/2, 2 1/2 and 7 1/2 volts A-C for power tube filaments. Thirty-five volts "C" for the 210 or 250 tubes and provides field current for the 90 to 110 volt D-C dynamic speaker fields. When added to an attractive case 17 in. long, 5 1/4 in. high and 3 3/8 in. wide.

- No. 2R-07108. Type 675 Hivolt Power Supply Kit. Shpg. wt., 28 lbs. **\$31.75**
- List, \$54.00. Your NET Price.....
- No. 2R-3792. Type 675 Wired Hivolt Power Supply. Shpg. wt., 28 lbs. **\$34.10**
- List, \$58.00. Your NET Price.....

S-M 676 Dynamic Speaker Amplifier

The S-M 676 Amplifier is a single stage power amplifier designed especially for use as a third stage after any set, to boost volume and tone and to give maximum results with standard dynamic loud speakers. It uses one 231 rectifier tube and one 250 super-power amplifier tube and provides field current for the 90 to 110 volt D-C dynamic speaker fields. When added to any set with a dynamic speaker, it will provide a marvelous improvement in tone and volume. Contained in metal cabinet same as the Type 675 described above.

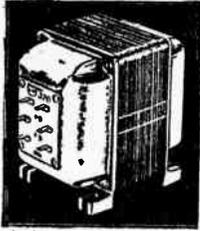
- No. 2R-07109. Type 676 Dynamic Speaker Amplifier Kit. Shpg. wt., 23 lbs. List, \$49.00. Your NET **\$28.81**
- Price.....
- No. 2R-07110. Type 676 Wired Dynamic Speaker Amplifier. Shpg. wt., 23 lbs. **\$32.34**
- lbs. List, \$55.00. Your NET Price.....



Silver-Marshall Public Address Unipac Amplifier

For coverage of crowds of 1,000 to 10,000 people, indoors or outdoors, with one to twelve loud-speakers, the 685 Public Address Unipac is the only light socket amplifier now available. It uses one 227, one 226, one 250, and two 281 rectifiers in a three stage light socket amplifier for microphone, radio, or record pick-up amplification. It is the ideal self-contained, portable or permanent amplifier for conventions, theaters, churches, etc. Size, 15 1/4 in. long, 10 1/2 in. high, 9 3/4 in. wide.

- No. 2R-3648. Type 685 Unipac Kit—Factory packed, less tubes. Shpg. wt., 74 lbs. List, \$125.00. Your NET Price... **\$73.50**
- No. 2R-0770. Type 685 Wired Unipac—Factory wired and tested, less tubes. Shpg. wt., 74 lbs. List, \$160.00. Your NET Price... **94.08**



Silver-Marshall Power Transformers

S-M 327 Power Trans.

Heavy duty transformer for 281 half-wave or 280 full-wave rectifiers. Has two 250 volt, two 7 1/2 volt, 2 amp.; one 1 1/2 volt, 1 amp., and one 2 1/2 volt, 3.5 amp. secondaries. For 110 volts, 60 cycle AC only. Shipping wt., 8 1/2 lbs.

No. R-4749. List, \$15.00. **\$8.82**
Your NET Price.....

S-M 328 Power Trans.

Heavy duty transformer for full wave 281 rectifiers. Has two 550 volt, 125 M.A.; two 7 1/2 volt, two 2 1/2 amp. secondaries. Furnishes ample ABC current for 210 or 250 tubes and receiver besides. For 110 volt 60 cycle AC only. Shpg. wt., 7 1/2 lbs.

No. R-4709. List, \$20.00. **\$11.76**
Your NET Price.....

S-M 329 Power Trans.

For gaseous or filament type rectifiers. Has two 200 volt and one 5 volt, 2 amp. secondaries. For 110 volt, 60 cycle AC only. Equipped with cord and plug. Shpg. wt., 4 lbs. 14 oz.

No. R-1722. List, \$9.00. **\$5.29**
Your NET Price.....

S-M 329A Power Trans.

For gaseous or filament type rectifiers. Has two 275 volt, 125 M.A.; one 5 volt, 1 amp.; one 1 1/2 volt, 6 amp., and one 2 1/2 volt, 6 amp. secondaries. Complete with cord and plug. Shpg. wt., 5 lbs.

No. R-4713. List, \$11.00. **\$6.47**
Your NET Price.....

S-M 330 Power Trans.

Has two 300 volt, and one 7 1/2 volt, 4 amp. secondaries. Complete with cord and plug. Shpg. wt., 5 lbs.

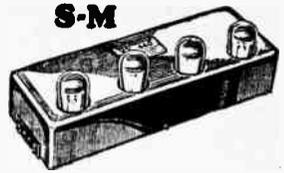
No. R-1723. List, \$9.00. **\$5.29**
Your NET Price.....

S-M 331 Unichoke

A two winding high inductance double filter choke of combined brute force type. Inductance: primary, 2 henries; secondary, 30 henries. Rating, 125 M.A. continuous duty. Shpg. wt., 4 lbs. 10 oz.

No. R-1724. List, \$9.00. **\$5.29**
Your NET Price.....

See Page 88 for S-M Filament Supply Transformers.



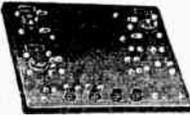
S-M Jeweler's Time Signal Amplifiers

Three long-wave R. F. amplifier stages, using large, hermetically sealed air-core transformers, each exactly tuned to 112 K.C., gives to these amplifiers the highest amplification. May be used in time signal receivers as intermediate amplifiers, to make any superhet more efficient. Beautiful copper case.

No. R-1664. S-M 440 Jeweler's Time Signal Amplifier for standard tubes. Size, 15x5x3 inches, sealed in copper and brass catabomb (less tubes). List, \$35.00. **\$20.58**
Your NET Price.....

No. R-4676. S-M 440SG Jeweler's Time Signal Amplifier for screen-grid tubes. Size, 15x5x3 1/2 inches. Removable cover. (Less tubes.) List, \$40.00. **\$23.52**
Your NET Price.....

Metal Baseboard for R210 Outfit



An all steel chassis for the Thordarson 210 type Power Amplifier and E-Supply, equipped with all sockets and binding posts, mounted, all screws, lugs, nuts, and hook-up wire for complete assembly included. Size, 8 1/2 x 11 1/4 inches. Shpg. wt., 5 lbs.

No. R-2767. List, \$5.00. **\$2.94**
Your NET Price.....



Thordarson Double Chokes

For use in filter circuit of power supply devices using power supply transformers T-2098, T-2000, T-2050, respectively, or other similar transformers. Contains two 30 henry chokes, conservatively rated. Each double unit contained in a crackle finished steel case, compound filled.

No.	Model	Capacity	List	NET
R-4702.	T2099	130 M.A.	\$14.00	\$ 8.23
R-17146.	T3099	160 M.A.	16.00	9.41
R-17147.	T3100	200 M.A.	18.00	10.58

Don't Miss the Thrill of Television. See Page 89 for Complete Listing of This New Apparatus

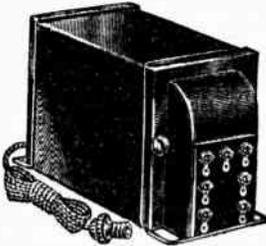
Power Input Plug R-172



Connects output of receiver to input of power amplifier.

No. R-1758. List, \$1.00. **59¢**
Your NET Price.....

Chi-Tran Power Pack Transformers



Type CT 370

Designed to meet the set constructor's requirements in the new AC circuits and also in push-pull power amplification. Within a single unit are contained the power transformer, and the two filter chokes. Used with 280 full wave or an 85 mil. gaseous rectifying tube, it will furnish "A," "B" and "C" for a complete radio set. Filament supply windings for two 171 tubes, two 227 AC tubes and six 228 AC tubes are incorporated in the pack. This makes possible complete electrification of radio sets and elimination of all batteries. Assembly and operating instructions furnished. Dimensions: 3 3/4 in. x 7 3/4 in. x 4 1/2 in. high. Weight, 10 lbs.

No. R-17148. List, \$22.00. **\$12.94**
Your NET Price.....

Type CT 320

For building power amplifiers having large power outputs. The circuit used is similar to that used in the CT 370, described above,

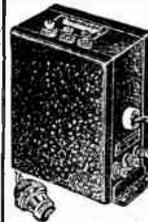
except that two tubes are used. Furnishing "A," "B" and "C" supply for either two 210 tubes in a push-pull circuit, or a single 250 tube. Either one of these combinations produces exceptional tonal quality and volume sufficient for all ordinary purposes. Complete assembly and operating instruction sheets are furnished. Size: 3 3/4 in. x 7 3/4 in. x 4 1/2 in. high. Shpg. wt., 12 lbs.

No. R-17149. List, \$32.00. **\$18.82**
Your NET Price.....

Type CT 324

Where enormous volume with quality is wanted no better combination is available than two 250 power tubes in a push-pull circuit. Such an amplifier can be assembled around this power pack, which contains in the single unit, the necessary transformer and filter chokes. Two 281 rectifier tubes are used. The maximum output is 170 milliamperes—more than sufficient to take care of the two 250 amplifiers and the remainder of a receiving set. Enamelled steel and aluminum case, cord and separable plug, for connection to light supply. Size: 4 3/4 in. x 8 1/2 in. x 5 1/2 in. high. Weight, 18 1/2 lbs.

No. R-17150. List, \$45.00. **\$26.46**
Your NET Price.....



Power Compacts

Consists of power transformer, filter chokes, filament winding and buffer condenser, cord, plug and terminals. Specified for the 171 and 210 power packs.

No. R-1751. R-210 Power Compact. List, \$20.00. **\$11.76**
Your NET Price.....

No. R-1752. R-171 Power Compact. List, \$15.00. **\$8.82**
Your NET Price.....

Power Supply Transformers Model T-2098



Designed primarily to supply A-B-C current to two 210 power amplifying tubes and "B" current to receiver. To be used with two 281 rectifier tubes. Primary: 110-115 volts, 50-60 cycles, alternating

current only. Secondary No. 1: 550 volts each side of center tap, capacity of winding, 180 mils. Secondary No. 2: 7 1/2 volts, center tapped, 2 1/2 amp. Secondary No. 3: (same as 2.) Crackle finished steel case, compound filled. Dimensions: 4 1/2 x 5 1/4 x 5 1/2 inches high. Weight, 14 lbs.

No. R-4770. List, \$20.00. **\$11.76**
Your NET Price.....

Model T-2900

Designed primarily to supply A-B-C current to a single 250 type power tube and "B" current to receiver. To be used with two 281 rectifier tubes. Primary: 110-115 volts, 50-60 cycles, alternating current only. Secondary No. 1: 610 volts each side of center tap, capacity of winding, 180 mils. Secondary No. 2: 7 1/2 volts, center tapped, 2 1/2 amps. Secondary No. 3: (same as 2.) Crackle finished steel case, compound filled. Dimensions: 4 1/2 x 5 1/4 x 5 1/2 in. high. Weight, 16 lbs.

No. R-4770. List, \$20.00. **\$11.76**
Your NET Price.....

Model T-2950

Designed primarily to supply A-B-C current to power amplifiers using two 250 tubes in push-pull. To be used with 281 rectifier tubes. Primary: 110-115 volts, 50-60 cycles, alternating current only. Secondary No. 1: 675 volts each side of center tap, capacity 200 mils. Secondary No. 2: 7 1/2 volts, center tapped, 2 1/2 ampers. Secondary No. 3: (same as 2.) Crackle finished steel case, compound filled. Dimensions: 4 1/2 x 5 1/4 x 5 1/2 in. high. Weight, 18 lbs.

No. R-4771. List, \$29.50. **\$17.35**
Your NET Price.....

THORDARSON

Voltage Changer T2604



For changing 220 volts to 110 volts. Enables 110 volt A-C receivers and power units to be operated where line voltage is 220. Six-foot cord and separable plug. Secondary terminates in standard plug receptacle. Crackle finished, compound-filled steel case. Primary: 220-230 volts, 50-60 cycles, alternating current only. Secondary: 110-115 volts.

No. R-4777. Model T2604. **\$5.88**

List, \$10.00. Your NET Price.....

Thordarson R508-1 Resistance Unit



For power amplifiers using Thordarson R171 Power Compact and similar amplifiers. Consists of 13,000 ohms divided into 5 individual resistances of 2,000, 3,000, 3,000, 3,000 and 2,000 ohms, intended to supply plate voltages of 45, 90, 135 and 180 V. and approximately 40 V. "C" bias for 171 power tube.

No. R-1943. Model R508-1. **\$1.26**

List, \$2.15. Your NET Price.....



Thordarson R508-3445 Resistance Kit

For power amplifiers using Thordarson R210 Power Compact and in similar amplifiers employing 374 Voltage Regulator Tube. Has 4 resistors: one 8,000 ohm tapped at 1200 ohm, two 20,000 ohm and one 1,000 ohm. Provides 45, 90, 135 and 400 "B" and "C" bias for 210 Power Tube of 20 volts.

No. R-1945. List, \$4.90. **\$2.88**

Your NET Price.....

Thordarson R2098 Resistance Kit



For power amplifiers incorporating Thordarson transformers T2098 and T2950. Contains one 400 ohm fixed resistor, one 4000 ohm variable resistor, one 10,000 ohm variable resistor and one 750 ohm fixed resistor.

No. R-4701. List, \$9.75. **\$5.73**

Your NET Price.....



Muter Eliminator Blocks

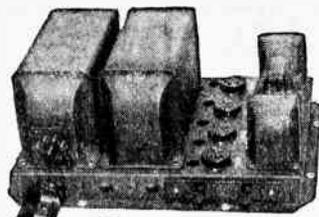
Muter Eliminator Blocks are designed as an assistance to efficient, compact assembly. They enable excellent workmanship in construction of "B" Units in connection with Muter and other Power Transformers and

Chokes, which are furnished in a similar style enameled metal case. Capacity, 14 Mfd. Size, 3 1/4 in. wide, 5 in. high, 2 1/2 in. thick.

No. R-17139. Raytheon Type B Block. List, \$10.00.

No. R-17140. 280 or 380 Block. List, \$10.00. **\$5.88**

Your NET Price.....



Samson

A-C Power Amplifiers

Factory Built by Samson
No. R-0745. Model PAM16 2-Stage A-C Photograph or Radio Set Amplifier using two 210 tubes in Push-Pull. **\$73.50**

List, \$125.00. Your NET Price.....
No. R-0746. Model PAM17 2-Stage A-C Photograph or Radio Set Amplifier using two 210 tubes in Push-Pull. This unit supplies field current to practically all popular Dynamic Speakers. List, \$125.00. **\$73.50**

Your NET Price.....
No. R-07112. Model PAM19. 3-Stage A-C Photograph or Radio Amplifier using two 250 tubes in Push-Pull. **\$102.90**

List, \$175.00. Your NET Price.....
No. R-07113. Model PAM20 3-Stage A-C Photograph or Radio Amplifier using two 250 tubes in Push-Pull. Supplies field current to a dynamic speaker. **\$102.90**

List, \$175.00. Your NET Price.....
No. R-07114. Model MIK1 2-Stage A-C Operated Microphone Input Amplifier for use with "PAM" Amplifiers. **\$79.38**

List, \$135.00. Your NET Price.....
No. R-07115. Model PAC2 2-Stage A-C Power Amplifier and "A-B-C" Eliminator for A-C Tubes. List, **\$102.90**

\$175.00. Your NET Price.....

Pilot Power Transformers



Pilot Model 387 "B" Power Transformer is designed to operate on either BH Raytheon or 280 tubes with the same unit. Each side of secondary delivers 275 Volts at 60 mills giving 220 V. Max. at full load. 5 Volt winding gives up to 2 amps. "C" bias can be taken off 5 Volt winding. Baked black enamel nickelled metal parts.

No. R-17144. Pilot 387 "B" Transformer. List, \$6.00. **\$3.53**

Your NET Price.....



Muter "B" Power Unit Transformer

An efficient long life transformer in enameled metal case. Sealed against atmospheric conditions. Size, 4 in. high, 3 1/4 in. long, 2 1/2 in. wide. Standard type output, 440 volts center tapped, and 5 volts center tapped with static shield and primary. Heavy duty type, output 520 volts center tapped and 5 volts center tapped with static shield and primary.

No. R-17142. Standard Type. List, \$5.00. **\$2.94**

Your NET Price.....
No. R-17143. Heavy Duty Type. List, \$5.00. **\$3.53**

Your NET Price.....



Muter Power Unit Choke

Vacuum impregnated coil assembled in high grade Silicon core. Enameled metal shell sealed with moisture proof compound.

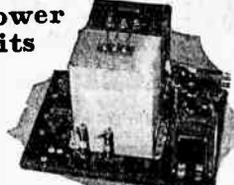
No. R-17144. 20 Henrys—65 mills. List, \$3.00. Your NET Price..... **\$1.76**

No. R-17145. 30 Henrys—80 mills. List, \$4.00. **\$2.35**

Your NET Price.....

THORDARSON

Power Kits



210 Power Amplifier and B Eliminator

With the metal baseboard included this assembly is greatly simplified. The baseboard is equipped with all sockets and binding posts mounted. Parts required:

- | | | |
|---------|---|--------------|
| R-1751. | 1 Power Compact R210..... | List \$20.00 |
| R-2767. | 1 Steel Chassis R211, including sockets, binding posts, screws, wire and diagram. | 5.00 |
| R-1945. | 1 Resistance Kit, R508-3445..... | 4.90 |
| R-1738. | 1 Speaker Coupling Transformer T2876..... | 6.00 |
| R-1758. | 1 Power Input Plug R172..... | 1.00 |
| R-3441. | 1 Tube R210 Condenser Block. | 18.00 |

No. R-3784. Complete Kit as listed. Lists at.....\$54.90
Your NET Price..... **\$32.28**

THORDARSON R171 Power Amplifier

- | | | |
|---------|--|--------------|
| R-1752. | 1 Power Compact R-17.1 | List \$15.00 |
| R-1750. | 1 Output Choke R-196..... | 5.00 |
| R-1943. | 1 Resistance Unit R-508-1..... | 2.15 |
| R-3448. | 1 Condenser Block Parvott R-171..... | 12.00 |
| R-3404. | 1 Tube 2 MFD Condenser, 200 D-C Working Volts..... | 1.75 |
| R-2400. | 2 Benjamin Tube Sockets..... | 1.50 |
| R-1758. | 1 Power Input Plug R-172..... | 1.00 |
| R-2900. | 5 Binding Posts..... | .75 |

No. R-3605. Complete Kit as listed. Lists at.....\$39.15
Your NET Price..... **\$23.02**

THORDARSON 250 Push Pull Kit

- | | | |
|---------|---------------------------------|--------------|
| R-4756. | 1 T-2950 Trans..... | List \$29.50 |
| R-4702. | 1 T-2099 Choke..... | 14.00 |
| R-3441. | 1 R-210 Cond. Block..... | 18.00 |
| R-4701. | 1 R-2098 Resistor Kit..... | 9.75 |
| R-4703. | 1 T-2408 Input Trans..... | 8.00 |
| R-2400. | 5 9040 Benj. Sockets @ 75c..... | 3.75 |
| R-2900. | 7 Eby Binding Posts @ 15c..... | 1.05 |
| R-4704. | 1 T-2420 Output Trans..... | 8.00 |

List.....\$92.05
No. R-3629. List, \$92.05. **\$54.13**

Your NET Price.....

If amplifier is to be used with Dynamic speaker omit No. R-4704, type T-2420 Transformer and order in its place No. R-4758, type T-2903. List, \$12.00. **\$7.06**

Your NET Price.....

Vimco Radio Light



Lights up the dial of your radio, giving better reception. No glare or shadows. Can be adjusted to any position. Simply attach to electric light outlet and adjust shade to suit. Its effectiveness will delight you. Base is of white metal, heavily weighted with scratch-proof protector. All other parts of brass, finished in rich, soft bronze. Extra long length of silk cord and two-piece attachment plug. Takes standard candelabra lamp.

No. R-5500. List, \$2.75. **\$1.62**

Your NET Price.....

SONATRON

Radio Tubes

A Real Guarantee

"World's
Largest
Radio
Tube
Line"

Any Sonatron Radio Tube will be replaced free of charge as long as the filament lights. No questions, no red tape.



X201A Amplifier- Detector

General purpose tube. Fil. volts 5; fl. amps. .25; plate volt. 22½ to 180; C-Battery vol. 1.5 to 13.

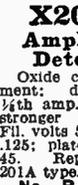
No. R-04100. Your List, \$1.50. Your NET Price.... **\$73¢**



X171 Power Tubes Power Amplifier

For last stage audio. Fil. volt. 5; fl. amp. .5; plate 90 to 180 volts; neg. grid 22½ to 40½ volts.

No. R-04103. Your List, \$3.00. Your NET Price.... **\$1.47**



X201B Amplifier- Detector

Oxide coated filament; draws only ¼ amp. Clearer, stronger reception. Fil. volts 5; fl. amp. .125; plate 22½ to 45. Replaces the 201A type.

No. R-04101. Your List, \$3.00. Your NET Price.... **\$1.76**



X171A Power Amplifier

New ¼ amp. super power tube for last A. F. stage. Same, except only ¼ amp.

No. R-04104. Your List, \$3.00. Your NET Price.... **\$1.47**



X200A Power Detector

For greater volume on distant stations. Fil. volts 5; fl. amps. .25; plate 22½ to 45 volts.

No. R-04114. Your List, \$4.00. Your NET Price.... **\$1.96**



X222 Shield Grid

Five times greater amplification in R. F. stages. Fil. volts 3 to 3.3; fl. amps. .125; plate volt. 135 to 180. Space grid vol. 0 to -2; charge grid + 22½.

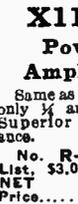
No. R-04102. Your List, \$6.50. Your NET Price.... **\$3.82**



X112 Power Amplifier

Adds power to any set. Fil. volts 5; fl. amp. .5; plate 22½ to 157 volts; C-Battery 6 to 10½ vol.

No. R-04112. Your List, \$3.00. Your NET Price.... **\$1.47**



X112A Power Amplifier

Same as 112 except only ¼ amp. draw. Superior performance.

No. R-04113. Your List, \$3.00. Your NET Price.... **\$1.47**



X210 Power Amplifier

Oscillator and amplifier. Fil. volts 6 to 7½; fl. amps. 1¼; plate 350 to 425 v.; C bias 4½-35 v.

No. R-04116. Your List, \$9.00. Your NET Price.... **\$4.41**

X250 Power Amplifier

Super power tube. Fil. volts 7½; fl. amps. 1¼; plate 250 to 450 volts; grid bias 45-84 v.

No. R-04115. Your List, \$12.00. Your NET Price.... **\$7.06**



Hi Mu Tubes

When used in impedance and resistance coupled sets, these tubes actually double volume and yield a remarkable quality of tone. For 6 volt battery sets.

MU 20
For any stage except last. High MU.
No. R-04119. List, \$4.00. Your NET Price.... **\$1.96**

MU 30
For any stage except last. Extra high MU.
No. R-04118. List, \$4.00. Your NET Price.... **\$1.96**

MU 6
For last or output stage.
No. R-04120. List, \$4.00. Your NET Price.... **\$1.96**

X240
Hi-Mu Tube
No. R-04191. List, \$2.00. Your NET Price.... **98¢**

Long Life AC Tubes

On extended tests proven to be the best in the market. Thousands of them in use everywhere. Play safe with Sonatrons! Special filament construction insures long life.



Y227 AC De- tector and Amplifier

Heater type with 5-prong base. Heater volt. 2.5; heater amp. 1.75; plates 160 DC. volts max.

No. R-04117. Your List, \$5.00. Your NET Price.... **\$2.45**



X226 AC Amplifier

For R. F. stages. Standard 4 - prong base. Fil. volts 1.5; fl. amp. 1.05; plate 180 volt. DC. max.

No. R-04105. Your List, \$2.50. Your NET Price.... **\$1.22**

X401 AC (Top Con- nections)

Operates on alternating current. Fil. (heater) volts 3; fl. (heater) amps. 1.05; plate 12 to 135 v.; C bias 3 to 9 volt.

No. R-04106. Your List, \$5.00. Your NET Price.... **\$3.18**



X222 AC AC Shield Grid

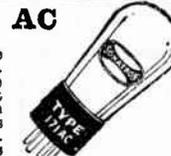
Same as standard 222 Shield Grid Tube, except has filament to operate on AC.

No. R-04151. Your List, \$7.00. Your NET Price.... **\$4.12**



New X171 AC

Super quality tube for last A. F. Stage. Has special oxide coated filament that draws ¼ ampere. On actual life test, it has burned 2,000 hours. Positively gives



greater volume with clarity. A very popular tube for the new AC Sets. Fil. volts 5; fl. amps. .75; plate 90 to 180 volts; grid 16½ to 40½ volts.

No. R-04188. Your List, \$4.50. Your NET Price.... **\$2.20**

Dry Cell Tubes



X199 Amplifier Detector

Has new X Base. Fil. volts 3; fl. amps. .06; plate 22½ to 90 v.; C bias 1.5 to 4.5 v.

No. R-04107. Your List, \$2.25. Your NET Price.... **\$1.10**

V199
Amplifier Detector
Same as the X-199, except has old style short prong base.

No. R-04108. Your List, \$2.25. Your NET Price.... **\$1.10**

199A
Amplifier Detector
Identical with 199 except shorter and is equipped with standard large 201A base.

No. R-04109. Your List, \$2.25. Your NET Price.... **\$1.10**

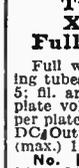
12
Amplifier Detector
Fil. volt 1½; fl. amps. .25; plate 22½ to 90 volts.

No. R-04111. Your List, \$2.50. Your NET Price.... **\$1.22**

X120
Power Amplifier
For last stage audio on 3 volt dry cell battery sets.

No. R-04110. Your List, \$2.50. Your NET Price.... **\$1.22**

B Eliminator



Tubes X280 Full Wave

Full wave rectifying tubes. Fil. volts 5; fl. amps. 1; AC plate voltage (max.) per plate 300 (RMS) DC Output Current (max.) 125 mills.

No. R-04121. Your List, \$4.50. Your NET Price.... **\$2.20**

X281
Half Wave

Half wave rectifying tube. Fil. volts 7½; fl. amps. .75; AC plate voltage (750 (R.M.S.); DC output current (max.) 110 mills.

No. R-04122. Your List, \$7.50. Your NET Price.... **\$3.67**

85 Mil. (Gaseous)

Full wave gas filled surface coated rectifying tube for "B" Eliminators. Will operate approximately 1200 hours. Max. AC input voltage (per plate) 350; Max. DC Output (both plates) 85 mills.

No. R-04123. Type 5H85. Your List, \$4.50. Your NET Price.... **\$2.20**

Matched Sets of AC Tubes

5-Tube AC Combination
One Y227, three X226, one X171 AC.
No. R-04188. Your List, \$17.00. Your NET Price.... **\$8.33**

6-Tube AC Combinations
One Y227, four X226, one X171 AC.
No. R-04189. Your List, \$19.50. Your NET Price.... **\$9.55**

7-Tube AC Combinations
One Y227, five X226, one X171 AC.
No. R-04190. Your List, \$22.00. Your NET Price.... **\$10.78**





"Best by Test" has long been the slogan of CeCo Tubes. It is more than a catch phrase. Hundreds of thousands of CeCo Tubes in use have proven this statement. Everyone who has used them is more than satisfied with the results and their reputation has spread internationally. Each and every tube is UNCONDITIONALLY GUARANTEED to give satisfaction. CeCo tubes are recommended by such high authorities on Radio as Arthur Lynch, and the laboratories of Citizen's Radio Call Book, Radio News, Radio Broadcast, etc. Made in one of the world's largest tube factories. CeCo tubes are made in all types.

Cunningham RADIO TUBES

CX301A

Your Net Price **\$1.02**



No.	Type	Use	Volts	Amps.	List Price	Your Net Price
R-0416	CX301A	Detector & Amplifier	5	.25	\$1.60	\$1.02
R-0416	CX300A	Super-Sensitive Detector	5	.25	4.00	2.74
R-0417	CX112A	Tone Quality	5	.25	3.00	2.06
R-0418	CX371A	Volume Without Distortion	5	.25	3.00	3.06
R-0419	C299	Dry Cell Det. & Amp.	3.3	.06	2.25	3.64
R-0420	CX299	Dry Cell Det. & Amp. Long Prong Base	3.3	.06	2.25	1.54
R-0421	CX299	Dry Cell Power Amp.	3.3	.125	2.50	1.71
R-0422	C11	Dry Cell Det. & Amp.	1.1	.25	2.50	1.71
R-0423	CX12	Same as C11, but with standard X base	1.1	.25	2.50	1.71
R-0426	CX310	Power Amplifier and 60 Ampere Transmitter	7.5	1.25	9.00	6.17
R-0427	CX340	Hi-Mu Tube	5	.25	2.00	1.37
R-0428	CX374	Voltage Regulator	...	...	4.76	3.26
R-0429	C376	Ballast Lamp	...	...	6.50	4.46
R-0430	C377	Protective Tube	...	...	1.76	1.20
R-0431	CX326	A-C Amplifier	1.5	1.05	2.50	1.71
R-0432	CY327	A-C Detector	2.5	1.75	6.00	3.73
R-0433	CX380	Full Wave Rectifier	5	2.0	4.50	3.09
R-0434	CX381	Half Wave Rectifier	7.5	1.25	7.50	5.14
R-0493	CX322	Shielded Grid	3.3	.132	6.50	4.46
R-0495	CX350	Power Amplifier 450 volts plate	7.5	1.25	12.00	8.23

M-26 (Like 226)
No. R-0411.
A-C Amplifier. (Similar to 226), 1.5 Volts, 1.05 Amps. List, \$2.50.
Your NET Price... **\$1.47**

N-27 (Like 227)
No. R-0412.
A-C Detector, 5 Prong. (Similar to 227), 2.5 Volts, 1.75 Amps. List, \$5.00. Your NET Price... **\$2.94**

AX (Like 201A)
No. R-0400. Detector and Amplifier (Similar to 201A), 5 Volt, 1/4 Amp. List, \$1.50.
Your NET Price... **88¢**

01-B (Like 201B)
No. R-04152. All Purpose Tube. (Similar to 201B), 5 Volt, 1/4 Amp. List, \$3.50.
Your NET Price **\$2.06**

H (Like 200A)
No. R-0405. Non Critical Detector. (Similar to 200A), 5 Volt, 1/4 Amp. List, \$2.50.
Your NET Price... **\$1.47**

G (Like 240)
No. R-0404. Hi-Mu (Similar to 240), 5 Volt Tube, 1/4 Amp. List, \$2.00.
Your NET Price... **\$1.18**

F-12 (Like 112)
No. R-0403. Power Tube. (Similar to 200A), 5 Volt, 1/2 Amp. List, \$3.00.
Your NET Price... **\$1.76**

J-71 (Like 171)
No. R-0406. Output Amplifier. (Similar to 171), 5 Volt, 3/8 Amp. List, \$3.00.
Your NET Price... **\$1.76**

F-12A (Like 112A)
No. R-04137. Power Tube. (Similar to 112A), 5 Volt, 1/2 Amp. List, \$3.00.
Your NET Price... **\$1.76**

J-71A (Like 171A)
No. R-04138. Power Tube. (Similar to 171A), 5 Volt, 1/2 Ampere. List, \$3.00.
Your NET Price... **\$1.76**

L-10 (Like 210)
No. R-04149. Power Tube. (Similar to 210), 7 1/2 Volt, 1 1/2 Amp. List, \$9.00. Your NET Price... **\$5.29**

L-50 (Like 250)
No. R-04136. Power Amplifier. (Similar to 250), 7.5 Volt, 1.25 Amp. List, \$12.00. Your NET Price... **\$7.06**

R-81 (Like 281)
No. R-0414. Half Wave Rectifier. (Similar to 281), 7.5 Volt, 1.25 Amp. List, \$7.50.
Your NET Price... **\$4.41**

R-80 (Like 280)
No. R-0413. Full Wave Rectifier. (Similar to 280), 5 Volt, 2 Amp. List, \$4.50.
Your NET Price... **\$2.65**

Concert Master Copper Shielded

A new and better tube completely encased in a copper shield, renders it immune from howls, squeals and microphonic noises. An exceptionally efficient tube. Remarkable clarity. Gives unusually good service, longer life and greater satisfaction.

The shield, being grounded to the "A" terminal, gives complete elimination of stray capacities, which eliminates howls, squeals and foreign noises and permits sharp, clear tuning. Tubes fit any set and improve reception to a remarkable degree.

Thoroughly and rigidly constructed, they contain a genuine thorium impregnated filament, insuring long life. Can be rejuvenated or reactivated. They are a laboratory product, each being carefully inspected and individually packed in attractive carton, Bakelite base.



No.	Type	Characteristics	List Price	Your Net Price
R-0470	X201A	5 Volt .25 Amp.	\$2.50	\$1.47
R-0471	200A	5 Volt .25 Amp.	4.00	2.35
R-0472	X112	5 Volt 0.5 Amp.	4.00	2.35
R-0473	X171	5 Volt 0.5 Amp.	4.00	2.35
R-04145	226AC	1.5 Volt A.C. Amp.	2.50	1.47
R-04146	227AC	2.5 Volt A.C. Det.	5.00	2.94

RF-22 (Like 222)
No. R-04139. Shield Grid Tube. (Similar to 222), 3.3 Volt, 132 Amp. List, \$6.50.
Your NET Price... **\$3.82**

AC-22 (Screen Grid)
No. R-04153. Screen Grid A.C. 5 prong. 2.5 Volt, 1.75 Amp. List, \$8.00.
Your NET Price... **\$4.70**

Hi-Mu 26
No. R-04154. Hi-Mu Tube for A-C Sets, 1.5 Volt, 1.05 Amp. List, \$4.00.
Your NET Price... **\$2.35**

K (Radio Freq.)
No. R-0410. Radio Frequency Tube, 5 Volt, 1/2 Amp. List, \$3.00.
Your NET Price... **\$1.76**

B (Like UV 199)
No. R-04186. Dry Cell 3 Volt Tube. (Similar to UV199), 3 Volt, .06 Amp. List, \$2.00.
Your NET Price... **\$1.18**

BX (Like UX 199)
No. R-0401. Detector and Amplifier. (Similar to UX199), 3 Volt, .06 Ampere. List, \$2.00.
Your NET Price... **\$1.18**

C (Large Base)
No. R-04187. Dry Cell 3 Volt, .06 Amp. Tube with large base for AX sockets. List, \$2.00.
Your NET Price... **\$1.18**

E (Like 120)
No. R-0402. Power Tube. (Similar to 120), 3 Volt, 1/2 Amp. List, \$2.50.
Your NET Price... **\$1.47**



Concert Master

Guaranteed 1 Year RADIO TUBES

These remarkable tubes are guaranteed to be free from defects in material and workmanship, for a period of one year. Each tube is backed with a Guaranty Bond. A provision of this bond reads: "Our obligation under this warranty is expressly limited to replacement when failure of a tube is due to defective materials or workmanship and when the tube is returned to our factory (or designated service station) accompanied by this Guaranty Bond and when transportation charges are prepaid." In addition to the manufacturer, we stand squarely behind these fine quality tubes.

No.	Type	Use	Volts	Amps.	List	NET
R-04145	X226	AC Amplifier.....	1.5	1.05	\$2.50	\$1.40
R-04146	X227	AC Detector.....	2.5	1.75	5.00	2.20
R-04149	X201A	Detector and Amp....	5.	.25	1.50	.87
R-04170	X112A	Last Audio Amp....	5.	.25	3.00	1.32
R-04171	X171A	Cle ar Tremendous Volume.....	5.	.25	3.00	1.32
R-04172	X200A	Power Detector.....	5.	.25	4.00	1.76
R-04173	X120	Dry Cell Power Amplifier.....	3.	.125	2.50	1.10
R-04174	X210	Super Power Amp....	8.75	1.25	9.00	3.97
R-04165	X222	Shielded Grid.....	3.3	.132	6.50	2.87
R-04175	X280	Full Wave Rectifier..	5.	2.	4.50	1.99
R-04176	X281	Half Wave Rectifier..	7.5	1.25	7.50	3.31
R-04177	UX199	Dry Cell Detector and Amplifier.....	3.	.08	2.25	.99
R-04178	S199	Dry Cell Detector and Amplifier.....	3.	.06	2.25	.99
R-04179	UV199	Dry Cell Detector and Amp. Base....	3.	.063	2.25	.99
R-04180	G100	Gas Filled Rectifier for "B" Elim.....	...	.125	4.50	1.99
R-04181	250	Power Amplifier.....	7.5	1.25	12.00	5.29



Continental

Standard Quality Tubes

Nationally known as one of the best tubes to be had. They will pass all standard meter tests and are guaranteed to give perfect satisfaction. Great production and simple economical methods of distribution bring down the price. Remember, these fine tubes are unconditionally guaranteed. Any tube not found perfect may be returned for exchange, no questions asked! Don't confuse them with "seconds" or "rejects" often offered at a similar price.

The 201A type on test shows an emission reading of 55-60 at 45 volts or 67-70 at 90 volts. You will make no mistake in Continental Tubes. They give perfect satisfaction. You can buy them on that basis and we will back you up!

No.	Type	List	NET	No.	Type	List	NET
R-0479	201A	\$1.00	59c	R-0482	171	\$2.00	\$1.18
R-0484	X199	1.25	73c	R-04132	226	2.00	1.18
R-0494	UV199	1.25	73c	R-04133	227	4.00	2.35
R-04157	199A	1.25	73c	R-04134	280	4.00	2.35
R-0483	200A	2.50	\$1.47	R-04135	281	6.00	3.53
R-0481	X112	2.00	1.18	R-04147	222	6.00	3.53



Federal Radio Tubes

Any found defective will be replaced. They are made by a responsible company, in laboratories where a well known line of tubes are also manufactured. We believe them to be one of the best tubes on the market that can be sold anywhere near this price. Try them!

No.	Type	List	Your Net Price
R-04148	201A	\$1.00	49c
R-04158	199X	2.25	79c
R-04159	112	3.00	83c
R-04160	171	3.00	83c
R-04161	300A	4.00	\$1.08
R-04162	228	2.50	2.29
R-04163	227	5.00	2.29
R-04164	280	4.50	2.24

ARCTURUS AC TUBES



Type AC 26 Detector
Designed to meet the rigid requirements of detector circuits. May be used as an amplifier.
No. R-0490. List, \$5.00.
Your NET Price..... **\$2.94**

Type AC 28 Amplifier
May be used in all amplifying systems—transformer, resistance, impedance and double impedance couplings.
No. R-0491. List, \$4.00.
Your NET Price..... **\$2.35**

The Power Type AC 30
An ideal power tube for home reception.
No. R-0489. List, \$2.35
\$4.00. Your NET Price..... **\$2.35**

Type AC 127 Detector
Indirectly Heated Cathode 2.5 Volt Detector. Five Prong Detector.
No. R-04150. List, \$5.00.
Your NET Price..... **\$2.94**

Type 22 AC Shield Grid Tube
No. R-04183. List, \$7.50.
Your NET Price..... **\$4.41**

Type 32 AC Hi-Mu 4 Prong
No. R-04184. List, \$4.00.
Your NET Price..... **\$2.35**

Type 180 AC Heater Full Wave Rectifier
No. R-04185. List, \$4.50.
Your NET Price..... **\$2.65**

ELKON 5000 Hr.

DRY "B" RECTIFIER

Replaces Rectifier Tubes in "B" Eliminators. Take out the fragile 1000 hour tube—plug in the sturdy 5000 hour Elkon EBH and the change is made. No changes in wiring—no adjustments. Sturdy, solid, dry—none of the frailties of a tube—not affected by accidental overloads or line surges—it is self healing. The power is smoother, quieter.

No. R-04166. Type EBH (For "B" Eliminators using Raytheon BH Tube). List \$6.00.
Your Net Price..... **\$3.53**

No. R-04167. Type E80 (For AC Sets and Eliminators using the 280 tube). List \$6.00.
Your Net Price..... **\$3.53**



Genuine Raytheon Tubes

The standard "B" eliminator tube. Long life. No filament. No liquids. So made that a single tube utilizes both halves of the alternating current for rectification. The original and still the standard of comparison. Type BH is also to be used as a replacement in any socket previously used by the Type B Raytheon Tube.

No. R-0453. Type BH, Output 125 Mils. List \$4.50.
Your Net Price..... **\$2.65**

No. R-0481. A Cartridge. List \$4.50.
Your Net Price..... **\$2.65**



McDonald Howl Arrester

Stops Howls

Thick shield of live rubber positively absorbs all disturbing vibration. Indorsed by engineers and millions in use.
No. R-0509. For 201A size Tubes. List 75c.
Your Net Price..... **44c**
No. R-0510. For 199 size Tubes. List 75c.
Your Net Price..... **44c**

Atomite Crystals

The Best Crystal money can buy.

Loud and clear.
No. R-0499. List 50c. **29c**
Your Net Price..... **15c**
Keystone Crystals
Made by the makers of Atomite.
No. R-0498. List 25c. **15c**
Your Net Price..... **15c**

Nion Fixed Detector

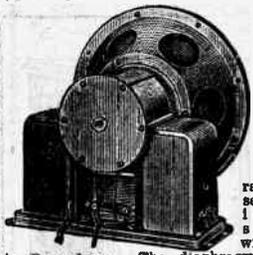


The most dependable fixed detector made. For use in crystal sets or reflex circuits.
No. R-0496. Nion Detector. List \$1.00.
Your Net Price..... **59c**

Catwhiskers
No. R-0497. Catwhiskers. Good Quality Spring. List 5c. Your Net Price.... **3c**

Television Tubes

See Page 89



The Setco Special Dynamic Reproducer

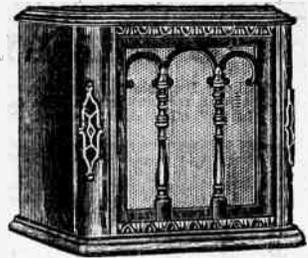
The end of the radio scientist's search for the ideal speaker seems to rest with the Dynamic Reproducer. The diaphragm of this marvelous speaker is actuated by a floating coil which responds to the current fed into it. The diaphragm is not anchored as in the magnetic type speaker. Thus, we have absolute permanent freedom from choking, blasting, chattering and distortion. The Dynamic Speaker has therefore swept the country in one unprecedented wave of popularity. It responds with equal fidelity and volume at any frequency between 50 and 6500 cycles—liberal coverage from the lowest to the highest range of the scale of all human and musical sound. At any volume, from whisper to auditorium-filling strength, the pure fundamental tones are reproduced with actual realism. From the deepest to the highest tones there is no

favor, no artificial coloring, no mechanical emphasis—just the natural rendition of the receiver's output.

The Setco Special reflects our own ideas in pitch of tone and mechanical, constructional excellence. It is made up of the finest parts throughout and constructed by skilled technicians. We stand squarely behind it and match it against any speaker now on the market.

CHASSIS ONLY

- | | |
|--|----------------|
| No. 2R-01230. For 110 V. A-C. List, \$39.50. Your NET Price..... | \$23.23 |
| No. 2R-01231. For 6 V. D-C (Battery or "A" Unit). List, \$29.50. Your NET Price..... | \$17.35 |
| No. 2R-01232. For 90 V. D-C ("B" Power Unit). List, \$33.00. Your NET Price..... | \$19.40 |



Cabinet Model

This smart modern cabinet is of solid walnut natural finish, hand rubbed. Applique designs on corner posts are slightly polychromed. Grill backed by old gold gauze. Overall size 14 1/2 x 14 1/2 x 12 1/2 in.

No. 3R-01233. For 110 V. A-C. List, \$57.50. Your NET Price.....	\$33.81
No. 3R-01234. For 6 V. D-C. List, \$47.50. Your NET Price.....	\$27.93
No. 3R-01235. For 90 V. D-C. List, \$51.00. Your NET Price.....	\$29.99



Argyle Model Setco Dynamic

An attractive substantial piece of furniture accommodating most of the popular sets. It is of early American period design. Top and front 5-ply walnut veneered. A hard satiny antique walnut finish. Top size is 27 1/4 x 15 inches, 30 inches high. Strong turned legs are firmly braced, making it sturdy and lasting.

- | | |
|--|----------------|
| No. 3R-01236. Complete with Setco Dynamic Chassis for 110 V. A-C. List, \$53.25. Your NET Price..... | \$31.31 |
| No. 3R-01237. Complete for 6 V. D-C. List, \$43.25. Your NET Price..... | \$25.43 |
| No. 3R-01238. Complete for 90 V. D-C. List, \$46.75. Your NET Price..... | \$27.49 |

Berkshire Model Setco Dynamic

A universal type speaker table with top large enough to accommodate standard sets. Will harmonize in any room in combination with practically all radio sets. Front and top of selected Walnut, beautifully finished. Jacobean type legs and grille. Size of top: 30x18 inches, height 30 inches.

- | | |
|--|----------------|
| No. 3R-01239. Complete with Setco Dynamic Chassis for 110 V. A-C. List, \$69.50. Your NET Price..... | \$40.86 |
| No. 3R-01240. Complete for 6 V. D-C. List, \$69.50. Your NET Price..... | \$34.99 |
| No. 3R-01241. Complete for 90 V. D-C. List, \$63.00. Your NET Price..... | \$37.04 |



Mayfair Model Setco Dynamic

A sturdy cabinet where simple even outlines are relieved by the neat ornamental grille and tasteful tracing. Grille backed by a beautiful old gold gauze. Finished in two tone Walnut. Size: 30 1/2 in. wide, 30 in. high, 14 in. deep. A very fine piece of furniture.

- | | |
|--|----------------|
| No. 3R-01242. Complete with Setco Dynamic for 110 V. D-C. List, \$50.75. Your NET Price..... | \$35.72 |
| No. 3R-01243. Complete for 6 V. D-C. List, \$50.75. Your NET Price..... | \$29.84 |
| No. 3R-01244. Complete for 90 V. D-C. List, \$54.25. Your NET Price..... | \$31.90 |



Coronada Model Setco Dynamic

Made of choice American walnut and gumwood, hand rubbed finish. An ornamental speaker table with ample room for books or other accessories. Ornate as well as attractive in design. 30 in. wide, 16 in. deep, 30 in. high. The design is distinguished by nicely turned legs with ornamental grille to match. Very popular.

- | | |
|--|----------------|
| No. 3R-01245. Complete with Setco Dynamic Chassis for 110 V. A-C. List, \$74.50. Your NET Price..... | \$43.81 |
| No. 3R-01246. Complete for 6 V. D-C. List, \$64.50. Your NET Price..... | \$37.93 |
| No. 3R-01247. Complete for 90 V. D-C. List, \$68.00. Your NET Price..... | \$39.98 |



Glenwood Model Setco Dynamic

A masterpiece of craftsmanship in genuine black walnut and fine American gumwood. Rubbed lacquer high lighted finish. Its intriguing graceful outline and neat deft decorations form a gorgeous setting for the radio set. The satinwood overlay on the octagon grille makes a beautiful effect for the rich old gauze cloth. Length, 32 1/2 in.; depth, 29 in.; height, 29 in.

- | | |
|--|----------------|
| No. 3R-01248. Complete with Setco Dynamic Chassis for 110 V. A-C. List, \$70.90. Your NET Price..... | \$41.67 |
| No. 3R-01249. Complete for 6 V. D-C. List, \$60.90. Your NET Price..... | \$35.79 |
| No. 3R-01250. Complete for 90 V. D-C. List, \$64.40. Your NET Price..... | \$37.85 |

MARCO DYNAMIC REPRODUCER

Rich, simple, dignified in design, and finished in mellow semi-lustrous walnut, this speaker delights the eye. It positively charms the educated ear with its faithful reproduction of all frequencies within range of the human ear. This speaker has one of the best reproducers—one that is perfectly natural in its output. There is no "barrel" effect. It will take all the power of a 250 tube without distortion, chattering or choking.

- | | |
|---|----------------|
| No. 2R-01251. Type D-110 (110 Volts 60 Cycle A-C). List, \$75.00. Your NET Price..... | \$44.10 |
| No. 2R-01252. Type D-6 (6 Volts D-C). List, \$60.00. Your NET Price..... | \$35.28 |



O'NEIL DYNAMIC SPEAKER

Of all the Dynamic Speakers demonstrated at the last R. M. A. Trade Show the O'Neil perhaps brought forth the most praise. Its beautiful reproduction strikes a happy medium between the low "barrel" effect dynamics and the clear-cut output of a good cone. It is best described by saying that it is perfectly natural and lifelike. It is a powerful speaker, taking with ease all surges of output from the most powerful set without blasting, choking, or chattering. These speakers are distinguished by precision manufacture and will stand up under years of hard usage. We recommend them highly. 10-Foot attachment cord included.



Table Model

Table Model

Makes ideal setting for the radio set. Made from choice American Walnut, hand rubbed and polished finish. Stands 29 1/2 in. high. Top 15x30 in. Shpg. wt., 65 lbs.

No. 2R-01215. Model DX505, for 110 Volt, 60 Cycle. List, \$65.00. Your

NET Price **\$38.22**

Cabinet Model

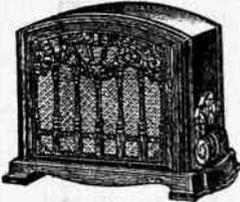
Unusually beautiful Gothic design. Selected American walnut, natural rubbed finish. Height, 13 1/2 in.; depth, 11 1/2 in.; width, 12 1/2 in. Shpg. wt., 42 lbs. No. 2R-01174. Model A506. Complete, for 110 Volt, 60 Cycle A-C. List \$60.00. **\$35.28** Your NET Price....

No. 2R-01173. Model D507. For 6-Volt D-C. (Storage Battery or Eliminator.) List, \$50.00. Your NET Price **\$29.40**



Cabinet Model

Sterling Dynamic Speakers



Sterling Dynamic's superiority in range, tone separation, naturalness and clear volume is recognized by musical critics. The cabinets housing this precision, quality speaker, were conceived by

one of America's foremost authorities on furniture design. Every angle and curve is in accordance with most advanced ideas in furniture made. The grain of the genuine walnut remains identical with original. Hand carved grille. Table cabinet is of beautiful two-tone walnut of pleasing lines, 12 1/2 in. high, 15 in. wide, 9 in. deep.

Sterling Table Dynamic Speakers



No. 2R-01216. 6V.-D-C. List, \$60.00. Your NET Price **\$35.28**

No. 2R-01217. 110 V.-A-C. (50-60 Cycles.) No. 2R-01218. 110 V.-A-C. (25 Cycles.) List, \$75.00. Your NET Price **\$44.10**

Sterling Console Dynamic Speaker

Universally appealing, fine cabinetry—correctly baffled. Height, 38 in.; width, 17 1/2 in.; depth, 11 1/2 in. No. 2R-01219. 6V.-D-C. List, \$75.00. Your NET Price **\$44.10**

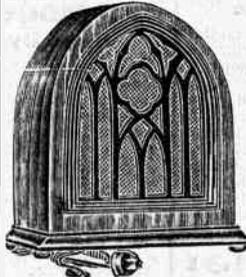
No. 2R-01220. 110 Volts-A-C. (50-60 Cycles.) List, \$90.00. Your NET Price..... **\$52.92**



TEMPLE Double Action Unit

The ideal unit for use with A-C power sets. Large air-gap prevents chattering under enormous volume. Ventilated case as shown. Rugged, lasting. One of the most popular units on the market. Has 8-foot cord with tips. No. R-0148. List, \$6.00. **\$3.53** Your NET Price.....

Peerless Dynamic Speaker



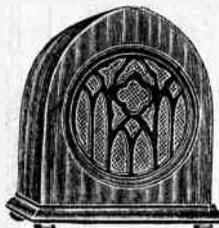
Model 17A

Puts the pad of the central station behind your radio speaker. Has patented novel voice coil. Gothic mahogany cabinet 14 in. high. Diameter of cone, 9 in.

No. 2R-01223. Model 17A (for 110V.-A-C). List, \$65.00. Your NET Price..... **\$38.22**

Peerless Magnetic Cone Reproducer

Amazing results on formerly "lost frequencies." Yet fits in cabinet only 12 1/2 in. high. A piece of beautiful furniture and a speaker of wonderful power and tone. Balanced armature unit is double acting.



No. 2R-0130 List, \$30.00. **\$17.64** Your NET Price.....

Air-Chrome Dynamic Speaker



The joining of two outstanding methods of sound reproduction is accomplished in the new Dynamic Air-Chrome. Beautiful, easy response to notes higher and lower than those ever found on the piano, as well as faithful reproduction of the middle register, mark this speaker as a leader. The principle of balanced-tension precludes mechanical interferences. Hand rubbed finish or beautiful walnut. Ornamental rich design. Cabinet measures 15 in. high, 12 in. wide, 10 in. deep.

Unquestionably one of the most efficient, most scientifically developed speakers yet produced. Its output will surprise and delight the most critical.

No. 2R-01224. Dynamic Air-Chrome Model J. List, \$75.00. **\$44.10** Your NET Price.....

Thorola Dynamic Speakers

This wonder speaker actually breathes. The "piston-drive" dynamic catches and reproduces with absolute faithfulness the entire range of musical notes from the highest treble notes of the violin to the lowest boom of a kettle drum. Nor is there any favoring of one register against the other. No "barrel" effect—just rushing, powerful output with lifelike realism. One of the best dynamics we have ever heard and an outstanding value. Complete with built-in rectifier to plug speaker into 110 to 220 Volt A-C. Pleasing walnut cabinet 15 in. wide, 16 1/2 in. high, 8 1/2 in. deep.

No. 2R-01225. Thorola 110 A-C Dynamic. List, \$40.00. Your NET Price..... **\$23.52**
 No. 2R-01226. Thorola 6 V. D-C Dynamic. List, \$35.00. Your NET Price..... **20.58**
 No. 2R-01227. Thorola 90 V. to tap on "B" Eliminator. List, \$35.00. Your NET Price..... **20.58**



Abox

Dynamic Speakers

Reproduce the studio program with unbelievable realism. It enables you to bring in distant stations with ease and comfort, when before you could hardly bring them in at all.



Cabinet Model

The cabinets are acoustically constructed to produce best results from Abox Dynamic unit. The fine cabinet work harmonizes with finest furniture. Walnut finish.

- No. 2R-01187, Type 6, Abox Dynamic Speaker (6 Volt D-C). List, \$32.34. Your NET Price, \$35.00.
- No. 2R-01188, Type 9-30, Abox Dynamic Speaker (90 Volt D-C). List, \$35.28. Your NET Price, \$60.00.
- No. 2R-01189, Type 11-30, Abox Dynamic Speaker (110 Volt A-C). List, \$41.16. Your NET Price, \$70.00.

Wall Model

Hangs in corner. Beautifully finished baffle board combines with walls of the room to produce tone results that will amaze. Acoustically, the best type of speaker.



- No. 2R-01190, Type 6-20 (6 Volts D-C). List, \$47.50. Your NET Price, \$27.93.
- No. 2R-01191, Type 9-20 (90 Volts D-C). List, \$52.50. Your NET Price, \$30.87.
- No. 2R-01192, Type 11-20 (110 Volts A-C). List, \$62.50. Your NET Price, \$36.75.

Console Model

A graceful pleasing addition to any room of fine furniture. Not too high to crowd the room. Its appealing outline is enhanced by the beautiful, walnut finish. The top is matched burled walnut with a beveled edge. An extra long speaker cord is provided.

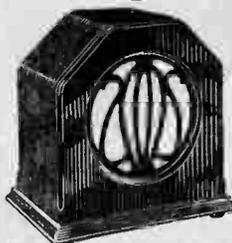


- No. 2R-01193, Type 6-40 (6 Volts D-C). List, \$70.00. Your NET Price, \$41.16.
- No. 2R-01194, Type 9-40 (90 Volts D-C). List, \$75.00. Your NET Price, \$44.10.
- No. 2R-01195, Type 11-40 (110 Volts A-C). List, \$85.00. Your NET Price, \$49.98.

Abox Speaker Units Only

- No. 2R-01196, Type 6, Abox Dynamic Unit (6 Volt D-C). List, \$20.58. Your NET Price, \$35.00.
- No. 2R-01197, Type 9, Abox Dynamic Unit (90 Volt D-C). List, \$23.52. Your NET Price, \$40.00.
- No. 2R-01198, Type 11, Abox Dynamic Unit (110 Volt A-C). List, \$50.00. Your NET Price, \$29.40.

Marco Magnetic Reproducer



Has unusual volume and exceptional tone quality. Reproduces with equal fidelity all notes from bass to soprano. Operates on all sets, including power tube types without chatter or rattle. Brown mahogany.

- No. 2R-01199, List, \$30.00. Your NET Price, \$17.64.

THE ORIGINAL AIR CHROME

Air-Chrome Speakers

The original Air-Chrome Speaker differs radically from all others. The speaker consists of two vibrating diaphragms, tightly stretched upon two frames, the center point of each diaphragm being fastened to the other, so that a "balanced tension" condition is obtained. The pin of the reproducer unit is attached to the center point. When properly installed it operates perfectly with all 210, 250 and 171 power amplifiers. Suitable for all types of audio amplifiers. Delivers power without blasting or rattling and maintains the relative amplitudes of the fundamentals and harmonics.

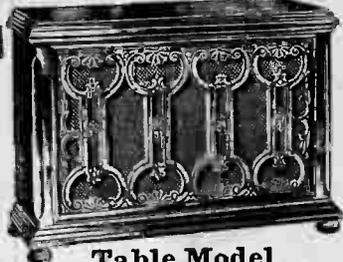


Table Model

Magnificent table cabinet model. Made of choice American Walnut, hand rubbed and polished finish. Very unique design, grille filled with silk. Height, 12 in.; width, 17 in.; depth, 9 in.

- No. 2R-01200, List, \$20.58. Your NET Price, \$35.00.



Model G

American Walnut Console. Hand rubbed and polished finish. 28 3/4 in. wide, 31 in. high and 14 1/2 in. deep. One of the most beautiful of the smaller consoles and a fitting complement to any home.

- No. 1R-01201, Model G, List, \$65.00. Your NET Price, \$38.22.



Model H

Solid American Walnut cabinet. Constructed in every detail with all the critical skill of the craftsman. Size: 37 in. wide, 48 in. high, 18 1/2 in. deep. Truly the ultimate in beauty, tone and workmanship. Suitable either for auctiorium or for the home. The finest reproducer money can buy.

- No. 1R-01202, Model H, List, \$300.00. Your NET Price, \$176.40.

Air-Chrome

Floor Model Model F



Beautiful solid mahogany frame, 18 in. wide, 27 1/2 in. high and 9 in. deep. A floor model at a reasonable price. Ideal for the small living room.

- No. 2R-01203, Model "F," List, \$35.00. Your NET Price, \$20.58.

Box Models for Set Builders



For built-in use, either in console or wall recesses.

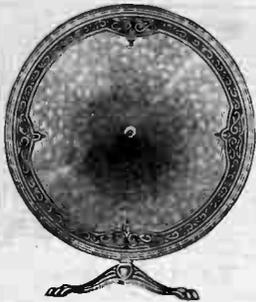
- No. 2R-01204, 14 in. x 14 in. List, \$21.00. Your NET Price, \$11.76.
- No. 2R-01205, 18 in. x 23 in. List, \$23.00. Your NET Price, \$13.52.
- No. 2R-01206, 24 in. x 24 in. List, \$25.00. Your NET Price, \$14.70.

TEMPLE Drum Speakers

The Temple Drum Speaker has a tone chamber made absolutely rigid by use of a metal bound, heavy glazed, flint-like composition which resists vibration. It incorporates a special design air column and because of the unique construction obtains the maximum results in the minimum space. It is scientifically and acoustically correct and reproduces faithfully every tone from a whisper to a full voiced orchestra. It will enhance the tone quality of any Radio set.



- No. 2R-0137, 13-in. diameter, Temple Standard. List, \$22.50. Your NET Price, \$13.23.



ANSONIA Double Diaphragm Type Reproducer

Exceptionally pleasing in tone-covering, with excellent volume and quality throughout the entire musical scale. An audition that at once calls forth striking comment upon the full mellowness of the low frequencies as emphasized by such instruments as the bass viols, tubas, tympani, and the pedal notes of the great organ. Manufactured under Lektophone license.

No. 2R-01160. Senior Model, Type 450. List, \$25.00. **Your NET Price \$13.23**
 No. 2R-01161. Junior Model, Type 440. List, \$15.00. **Your NET Price \$7.94**

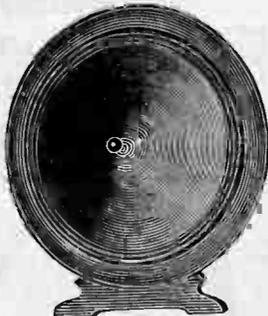


FAIRFAX Triple Tone Cone-Speaker

Magnificent table model speaker fitted with Fairfax Cone Assembly which has a wide range of frequency. Tones are sweet, mellow and realistic. The cabinet itself acts as a sounding board. A masterpiece in construction and design. Finished in two-tone walnut.

No. 2R-01176. List, \$32.50. **Your NET Price \$19.11**

S
T
E
V
E
N
S



S
P
E
A
K
E
R

Type B-28 De Luxe Model

"The golden voice of Radio." The Burtex Conoidal Diaphragm, 17 1/2 inches, backed by the double acting five-ply laminated wooden sounding board, renders supreme reproduction. The Burtex Diaphragm, finished in subdued bronze, with the "Golden Chimes" around circumference. Height overall, 22 3/4 inches.

No. 2R-01162. List \$25.00. **Your NET Price \$14.70**

ANSONIA REPRODUCER

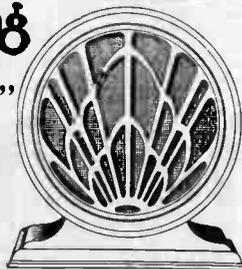
The Ansonia Reproducer is equipped with a newly developed Electro-Magnetic unit, scientifically correct, sturdy in construction, with every modern engineering feature embodied in its design. The musical tones are reproduced with a full regard for overtones, harmonics and fine shadings. From the highest audible tone frequency to the lowest, the notes ring true and clear. Vocal reproduction is unusually pleasing, due to the extremely fine definition and utter absence of barrel effect. "Little wonder that it is called the Magnetic Speaker with the Dynamic Tone." Encased in a handsome burl Walnut cabinet of Gothic design the new Ansonia Reproducer is outstanding not only in tone, but in appearance as well.

No. 2R-01157. Type 911. List, \$29.50. **Your NET Price \$15.61**



Sterling

"Full Range" Vari-Tone Magnetic Type Cone



Equipped with compensating device to match any receiver. "Sterling engineers, assisted by acoustical experts and musicians," say the makers, "have spared no expense in time and money, in perfecting the Vari-tone Speaker." Electrical and mechanical impedances have been scientifically matched. Height, 11 inches; width, 11 inches; depth, 5 1/2 inches.

No. 2R-01158. R4 Table Model. Metal case in two tones of bronze, with silk grill. List, \$25.00. **Your NET Price \$14.70**

Build It Yourself



ENESCO 3-Foot Cone

Complete set of parts for constructing a marvelous, giant cone speaker, 3 feet in diameter. Nationally known. Thousands in satisfactory use. Faithfully reproduces all frequencies with enormous volume. Will improve the reproduction of any radio set. Kit includes the famous ENESCO unit, rugged and

lasting. Wood brackets and complete instructions are included so that anyone handy with tools can quickly build it. Shipping weight, 6 pounds.

No. 2R-0174. List, \$12.00. **Your NET Price \$7.06**

No. 2R-0175. Enesco Piano Unit for attaching to Piano Sounding Board. List, \$10.00. **Your NET Price \$5.88**

PENN 3-Foot Cone Kit

3-Foot Double Cone. Anyone can easily and quickly build it. Marvelous tone quality and enormous volume. Comparable to ready-made cones, costing five times as much. Has four-pole, sensitive unit of the most advanced type. Braid, mounting brackets, all hardware and instructions included. Ship. wt., 6 pounds.

No. 2R-0129. List, \$11.50. **Your NET Price \$6.76**



STEVENS

Gothic Model Speaker Type L. G. 28

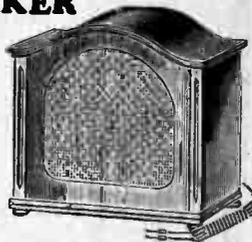


Beautiful in tone — beautiful in design. Encased within is the Stevens Burtex Waterproof Conoidal Diaphragm, which never requires readjusting, even in the most trying atmospheric conditions. New perfected unit is non-freezing — non-microphonic and non-rattling. Brown mahogany finish.

No. 2R-01163. List, \$25.00. **Your NET Price \$14.70**

WINDSOR SPEAKER

Inbuilt Tone Filter Heavy Reed Unit Type 260



A new and better all-wood speaker with balanced heavy reed unit and special tone filter. This combination brings out the full round deep tones, which are qualities of reproduction demanded today. Will handle great volume without distortion.

No. 2R-01164. Brown and Gold Stippled Finish.

No. 2R-01165. Solid Walnut Antique Finish. List, \$30.00. **Your NET Price \$17.64**

Vemarc Cone

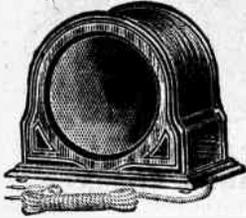
Has built-in impedance change switch, so that it can be adjusted to fit any set perfectly. We offer this, under an iron-clad guarantee of complete satisfaction.



Masonite back soundboard produces a rare mellowness and sweetness of tone, which is a delight. Free edge cone, protected by back. Diameter, 17 1/2 inches. Shipping weight, 12 pounds.

No. 2R-0150. List, \$16.00. **Your NET Price \$5.88**

**TRIMM Entertainer
Cone
Clock
Model**



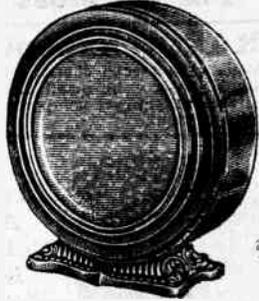
An improved type of balanced armature unit, extremely sensitive, yet ruggedly built to give perfect service over long periods of continuous operation. Improved spring feature with double coil gives positive control over the air gap. Free edge cone—mellow tone—no blasting or distortion. Cabinet of beautiful paneled two tone walnut with bronze mesh screen front and back.

No. 2R-01207. List \$25.00. **\$14.70**
Your NET Price.....

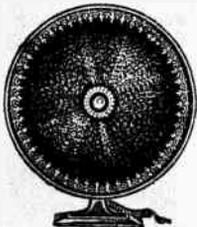
The QUAM Loudspeaker

New Stretched Reed Principle

A new principle of construction—the "Stretched Reed" Unit. Instead of a floating reed secured at only one end, the Quam Speaker has a stretched reed—like the human vocal cords—and the result is amazingly superior to any you have heard before. Just as there is a difference in the tone qualities of the human voice, so are there great differences in the speaking voices of Radio. That speaker approaches nearest to perfection which has the widest range in accurate tone reproduction. It must pick up and reproduce highest tones of the violin and deepest tones of the pipe organ. The outstanding feature of the Quam Loud Speaker is its unmatched range—its ability to give you ALL. Finished in rich antique brown, it will grace the finest Radio Set by its distinctive beauty, and thrill the most critical audience by its remarkable reproduction of over-tones. You will marvel of its absence of "blasting." It is a beautiful, lasting, marvelous "New Voice for Radio."



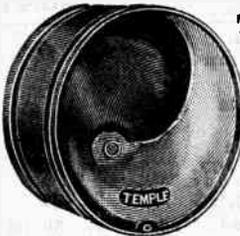
No. 2R-01209
List, \$17.50. **\$10.29**
Your NET Price.....



**TRIMM
Concerto
Cone**

A reproducer that gives the performance and tones of speakers selling at much higher prices. Trimm balanced armature unit and fourteen inch cone which is fully protected along the edge. A sensation

at its low price.
No. 2R-0170. List, \$10.00. **\$5.88**
Your NET Price.....



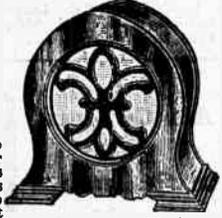
**Temple
Drums**

Ideal for
In-Built
Use

Long compensated exponential air column speaker. Same as the nationally famous Temple

Drum Speaker. "Stripped" for console installation. Air
No. Column Diameter List NET Price
2R-0324 30 in. 7 in. \$9.00 \$5.23
2R-0325 54 in. 11 1/2 in. 14.00 8.53
2R-0326 54 in. 13 in. 14.00 8.23
2R-0327 75 in. 18 in. 24.00 14.11
Temple Reproducing Unit for use with above tone chambers or other horns.
No. R-0148. List, \$6.00. **\$3.53**
Your NET Price.....

**O'NEIL
Clock
Model
Cone
Speaker**



Designed to match the finer radio set—its beautiful lines and exquisite two-tone walnut finish will appeal to the most critical eye. Equipped with the newly perfected O'Neil Super X Unit. The elusive bass notes, uncommon in speakers having a small cone, are all in evidence here, reproducing with the quality of the largest and best cones. Height, 12 1/2 in.; width, 12 1/2 in.; depth, 3 1/2 in. Weight, 8 1/2 pounds.

No. 2R-01212. List \$30.00. **\$17.64**
Your NET Price.....

**TRIMM
Concerto Grande**

Built on balanced armature principle. Well adapted for operation with semi-power and power tubes. Takes high voltages without blasting. Handle for wall mount as well as base 17 in. diameter.

No. 2R-0169. List, \$16.00. **\$9.41**
Your NET Price.....

**Manufacturers Type
Cones
UTAH
Type XB**



With improved Utah tripod unit. Corrugated cone creates uniformity of tone and durability. Efficient baffle board housing. Size, 9 1/2 x 9 1/2

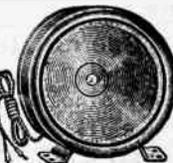
x5 inches.
No. 2R-0196. List, \$16.00. **\$9.41**
NET
No. 2R-0197. Type XM Cone and Unit Only, without wood housing. Diam. 8 1/2 in. List, \$14.00. **\$8.23**
NET

PEERLESS "Built-In" Cone
Takes any amount of volume without distortion! Double acting balanced armature acts both directions with no polarity. Size, 9 1/2 x 9 1/2 in. 2 ft. cord and phone tips.
No. 2R-0167. List \$20.00. **\$11.76**
NET

THOROLA Cone in Baffle Box
Oversize, extra powerful unit. Great power and richness of tone.
No. 2R-0149. Model 20, 14-Inch Cone. List, \$19.00. **\$11.17**
NET
No. 2R-01210. Model 19. 10 1/2-Inch Cone. List, \$14.00. **\$8.23**
NET

THE QUAM

Uses the new unmatched "Stretched Reed" unit, described above. Nicely Duco-ed metal baffle box. Size, 9 1/2 x 9 1/2 in.
No. 2R-01211. List, \$11.25. **\$6.61**
NET



**O'NEIL
Stand-
ard
Cone**



This NEW O'Neil model is finished in beautiful Mahogany Bronze and the cone is tan with a mottled effect in green. It is equipped with the new O'Neil No. VIII Unit

and Cone Assembly, which makes this speaker a big value. It is making a record for itself as a popular speaker. Diameter, 17 1/2 inches. Shpg. wt., 10 lbs.
No. 2R-01213. Model D-99. **\$8.67**
List, \$14.75. Your NET Price.....

**O'NEIL
Illumi-
nated
Ship
Cone**



With new No. IX Unit and Cone Assembly.
A beautifully generated 25 watt red and blue intermediate lamps, effecting a beautiful sunset and glow illumination. Every home has several attractive lamps; here is a Speaker and Lamp in one, which will beautify any room. Equipped with Lamps, Plug, Lighting and Phone cords. Stands 20 inches high, weight 11 lbs.
No. 2R-01214. List \$25.00. **\$14.70**
Your NET Price.....



**Sterling Full Range
"Vari-tone" Magnetic
Speaker**

A tone filter compensator, underneath speaker base, changes the impedance and varies tone to suit set. This makes the most of desirable overtones and suppresses those that are undesirable. Truly, a magnetic speaker of full range. Impulse diaphragm and driving unit are engineering accomplishments. The case is distinctive and exquisitely finished in genuine walnut. The grille is an accurate imitation of a hand carved model. Grain of the genuine walnut grille brought out by special process. Weighs 7 1/2 lbs., 11 1/2 in high, 10 in. wide.

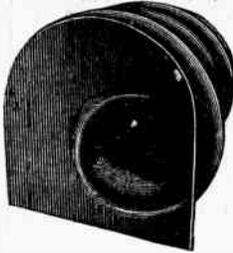
No. 2R-01208. List, \$35.00. **\$20.58**
Your NET Price.....

Exponential Horns

For the Most Life-Like Reproduction

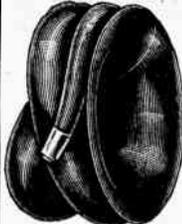
RACON Exponential Air-Column Horns

Made of a special fabric, impregnated and hardened. No vibration—a perfect medium for acoustic amplification. Will withstand all climatic temperatures and moistures. Light, yet non-porous. NOT FITTED WITH UNITS. Choose unit from column at right.



120 Inch Air Column Bell
18x18 Inches
Depth 13 Inches

No. 2R-01166. Longest air column in smallest space. List, \$18.00.
Your NET Price..... **\$10.58**



84-Inch Air Column Bell
14 Inches Round
Depth 9 Inches

No. 2R-0160. A snug design for console use. List, \$11.00.
Your NET Price..... **\$6.47**

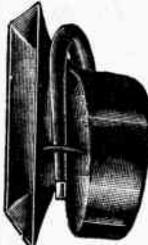
48-Inch Air Column Bell
10 Inches Depth
8 Inches

No. 2R-0167. List, \$5.00. Your NET Price..... **\$2.94**

No. 2R-0164. Similar design. Air column, 7 1/2 in.; bell, 10x20 in.; depth, 13 1/2 in. List, \$9.00. Your NET Price..... **\$5.29**

No. 2R-0163. Similar design. Air column, 60 in.; bell, 6x15 in.; depth, 10 1/2 in. List, \$7.00. Your NET Price..... **\$4.12**

104-Inch Air Column Bell
18x24 Inches
Depth 13 Inches



No. 2R-0162. Giant Ortho-Type. List, \$18.00.
Your NET Price..... **\$10.58**

UTAH Exponential Horns

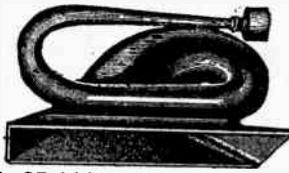
With Utah De Luxe Units



136 Inch Air Column Front
19x25 In.
Depth 11 1/2 Inches

No. 2R-0190. Model 500B, DeLuxe Unit. List, \$22.00.
Your NET Price..... **\$12.94**

No. 2R-0191. Model 500F, 90-Inch Air Column, DeLuxe Unit. Front, 17 x 19 in.; depth, 11 in. List, \$18.00.
Your NET Price..... **\$10.58**



No. 2R-01100. Model 400—18 1/2 in. De Luxe Unit. Air Column, 68 inches; front, 8 1/2 x 18 1/2 in.; depth, 11 1/2 in. List, \$14.50. Your NET Price..... **\$8.53**

No. 2R-01104. Model 401. DeLuxe Unit. Air Column, 62 inches; front, 8 1/2 x 21 in.; depth, 11 1/2 in. List, \$15.00. Your NET Price..... **\$8.82**

No. 2R-01116. Model 9, DeLuxe Unit. Air Column, 52 inches; front, 5 1/2 x 19 1/2 in.; depth, 11 1/2 in. List, \$12.00. Your NET Price..... **\$7.06**

78-Inch Air Column Front
13x20 In.
Depth 13 Inches



No. 2R-01125. Model 1011. List, \$7.00. Your NET Price..... **\$9.98**

No. 2R-01128. Model 1015. 120-Inch Air Column. Front, 14 1/2 x 14 1/2 in.; depth, 7 1/2 in. List, \$25.00. Your NET Price..... **\$14.70**

Combination Horn and Cone

Combines both advantages of horn and cone speakers. Balances the scale in reproduction. Front, 14 1/2 x 21 1/2 in. Outside dimensions: Depth, 13 1/2 in.; width, 21 1/2 in.; height, 24 in. Air column, 41 inches. Cone is Utah XM type complete with unit.



No. 2R-0198. List, \$23.00. Your NET Price..... **\$13.52**

Speaker Units for Use on Horns

No. R-0146. Baldwin Rival. List, \$7.00. Your NET Price..... **\$4.12**

No. R-0145. Baldwin Concert. List, \$10.00. Your NET Price..... **\$5.88**

No. R-0184. Baldwin Concert Grand. List, \$12.00. Your NET Price..... **\$7.06**

No. R-0139. Utah King. List, \$5.00. Your NET Price..... **\$2.94**

No. R-0140. Utah "King De Luxe." List, \$7.50. Your NET Price..... **\$4.41**

No. R-0148. Temple Double Action Reproducing Unit. List, \$6.00. Your NET Price..... **\$4.12**



UTAH Dynola Dynamic Speaker

Most magnificent table cabinet speaker we have ever seen. A work of art in design—a masterpiece in construction. Made of choice walnut with genuine Burl walnut. Antique brown finish. Both front and back have same grille and design making speaker nondirectional. Dimensions: 15 1/2 in. wide, 12 1/2 in. high, 12 1/2 in. deep.

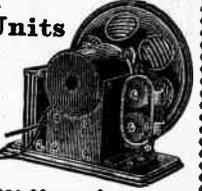
No. 2R-01253. Complete for 110 volt AC. List, \$75.00. Your NET Price..... **\$44.10**

No. 2R-01254. For 6 to 12 volts DC. List, \$60.00. Your NET Price..... **\$41.16**

No. 2R-01255. For 110 to 220 volts DC. List, \$65.00. Your NET Price..... **\$38.22**

UTAH Dynamic Units

No. 2R-01256. Type A100. 110 volt alternating current light socket supply for field excitation using Westinghouse dry rectifier. 9" high, 9 1/2" wide and 7 1/2" deep. List, \$50.00. Your NET Price..... **\$29.40**

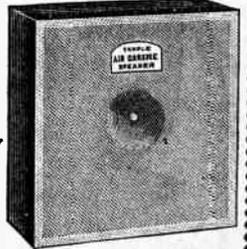


No. 2R-01257. Type R300. 6 to 12 volts direct current for field excitation. Operates from A Battery. Current consumption .5 to 1 ampere. List, \$35.00. Your NET Price..... **\$20.58**

No. 2R-01258. Type D200. 110 to 220 volts direct current for field excitation. Current consumption, 45 to 90 milliamperes. 3 1/2" high, 7" deep. List, \$40.00. Your NET Price..... **\$23.52**

Temple Air-Chrome

New!
Better!
Taking
Country
By
Storm!



The most startling speaker development the industry has seen. Fitted with Temple Double Action Unit which insures enormous volume and round, natural tones in all frequencies.

The Air-Chrome principle is really very simple. There are two diaphragms instead of one—tightly stretched skins of chemically treated airplane linen. The centers are brought together to a point where the tension is naturally balanced. At this balanced center the driving unit operates. There is no dead weight, hence the slightest impulse on the unit is instantly transmitted to the taut diaphragm. The result is a sensitivity, a frequency response and a handling capacity in undistorted volume that is remarkable.

These speakers are intended for built-in use, either in consoles or wall recesses. Your No. Size, in. Depth List NET Price
2R-0186 14x14 7 in. \$20.00 \$14.76
2R-0187 18x23 8 1/2 in. 23.00 13.52
2R-0188 24x24 9 in. 25.00 14.70



Beautiful New Cabinets with the Great **JENSEN** DYNAMIC SPEAKER

For tone fidelity which completely satisfies, the manufacturers claim that the "Jensen Dynamic Speaker" outperforms all competition. Its range is the greatest achieved to date. Operates on electro-dynamic principle, which engineering authorities agree produces best results. Will not chatter or blast no matter how tremendous the volume, even under the full output of a 210 power tube.

Table Cabinet

Table cabinet illustrated above, is Solid Walnut natural finish, hand rubbed. Baffle board has 7 in. opening. Beautiful decorations on corners are slightly polychromed.

No. 2R-0181, Walnut Table Cabinet, with Type D-4 (8 Volt) Jensen Dynamic Unit. **\$34.10**
List, \$58.00 Complete. Your NET Price.....

No. 2R-01182, Walnut Table Cabinet with Type D-5 (90 Volt) Jensen Dynamic Unit. **\$35.87**
List, \$61.00 Complete. Your NET Price.....

No. 2R-01183, Walnut Table Cabinet with Type D-4 A-C (110 Volt) Jensen Dynamic Speaker. **\$42.92**
List, \$73.00 Complete. Your NET Price.....

Console Models

Console Model here pictured is genuine walnut throughout, hand rubbed finish. Its magnificent coat of arms style grille, its graceful carved legs and slender, pleasing lines will enrich the appearance of any home. Height, 35 in. Top, 16x18 1/2 in.

No. 12R-01184, Console complete with Type **\$40.57**
D-4 (6 volt) Unit. List, \$69.00. Your NET Price.....

No. 12R-01185, Console complete with Type **42.34**
D-5 (90 volt) Unit. List, \$72.00. Your NET Price.....

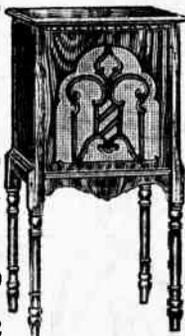
No. 12R-01186, Console complete with Type D-4 A-C (110 Volt) Dynamic Unit. **\$49.39**
List, \$84.00. Your NET Price.....

Jensen Dynamic Units Only

No. 2R-0157, Type D-4 (8 volt operation). **\$23.52**
List, \$40.00. Your NET Price.....

No. 2R-0158, Type D-5 (90 volt operation). **25.28**
List, \$43.00 Complete. Your NET Price.....

No. 2R-01143, Type D-4 A-C (110 volt operation). List, \$55.00. Your NET Price..... **32.34**



CONSOLE
MODEL

MAGNAVOX

Dynamic
Speakers
Perfect
Recreation



Highly trained musicians, sensitive to delicate tone shadings, find Magnavox reproduction delightful—and the most undeveloped musical ear appreciates its rich and colorful completeness. The low notes are there —yet not over-emphasized. The upper register is transmitted so that the high overtones, which add brilliancy and form the distinction between various musical instruments, were heard in pure form and not distorted or lost.

Dynamic Units Only

No. 2R-0178, Model 6. For 6 volts D-C operation on battery sets. **\$20.58**
List, \$35.00. Your NET Price.....

No. 2R-0179, Model 7. For 110 volts D-C operation. List, \$40.00. **\$25.52**
Your NET Price.....

No. 2R-01184, Model 80. For 110 volts A-C 60 cycle operation. List, **\$29.40**
\$50.00. Your NET Price.....

Beverly Table Model

Rich brown walnut cabinet for table or top of console.

No. 2R-01150, With Model 6 Unit. List, \$50.00. **\$29.40**
Your NET Price.....

No. 2R-01151, With Model 7 Unit. List, \$55.00. **\$32.34**
Your NET Price.....

No. 2R-01152, With Model 80 Unit. List, \$65.00. **\$38.22**
Your NET Price.....

Belvidere-Screen Model

Beautiful floor screen model, 31 1/2 in. high, width 22 1/2 in., depth 9 in.

No. 2R-01259, Model 62 (6 volt D-C). List, \$50.00. **\$29.40**
Your NET Price.....

No. 2R-01260, Model 802 (110 volt A-C—60 cycle). List, \$65.00. **\$38.22**
Your NET Price.....

The Cordova Model

Contains power amplifier.

No. 2R-01261, Model 710, Complete (except no tubes). List, **\$102.90**
\$175.00. Your NET Price.....

The Aristocrat Cabinet Model

This is a beautiful upright console type speaker, fitted either with R-4 or R-5 units. Two-tone mahogany legs and corners. Beautiful butt burl walnut panels. Colonial style grille. Shipping wt. 40 lbs.

No. 2R-01180, With 6 Unit. List, \$70.00. NET..... **\$41.18**

No. 2R-0181, With 7 Unit. List, \$75.00. NET..... **44.10**

No. 2R-01153, With Model 80 Unit. List, \$85.00. NET..... **49.98**

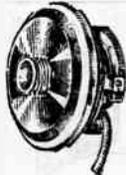
Baldwin Units

Famed the world over for their unsurpassed quality of reproduction and lasting life. No better units are made. Each unit is scientifically and accurately adjusted before leaving a factory. They are not equipped with adjusting devices.

No. R-0146, Rival Unit. Low pitched faithful reproduction. **\$4.12**
List, \$7.00. Your NET Price.....

No. R-0145, Concert Unit. The leader in its field. Renowned for its faithful reproduction. **\$5.88**
List, \$10.00. Your NET Price.....

No. R-0149, Concert Grand Unit. Handles tremendous volume. **\$7.06**
List, \$12.00. Your NET Price.....



Dulce-Tone

Uses the sound box, tone arm and horn of any talking machine, no part of which is removed. The needle is merely set over the Dulce-Tone grooved reed. Adjusting nut at base allows accurate adjustment for maximum volume. For clear delightful reproduction of music, this precision built unit is wonder very simple to install.

No. R-0100, Dulce-Tone Unit. **\$5.88**
List, \$10.00. Your NET Price.....



UTAH UNITS New Utah Diaphragm with Patented Tripod Construction



The new Utah Units have the diaphragm connected to the armature through a tripod arrangement. This allows more freedom for the movement of the diaphragm, and decreases necessary movement of the armature for any given vibration. The advantage of this exclusive patented design enables them to stand extreme power without blasting.

No. R-0139, List, \$5.00. **\$2.94**
Your NET Price.....

UTAH DeLuxe Unit

This splendid unit is the one most universally used by manufacturers of higher priced quality receivers. It is a real engineering accomplishment and is ideal for use with the newer types of exponential horns. It will handle tremendous volume without distortion or blasting.

No. R-0140, List, \$7.50. **\$4.41**
Your NET Price.....

UTAH Big Chief Unit

This Utah Unit has been one of the best selling speaker units. It also has the new Utah diaphragm with Tripod arrangement. Finished in nickel and equipped with 5 ft. cord.

No. R-01177, List, \$3.50. **\$2.06**
Your NET Price.....

UTAH

"Phono" Speaker

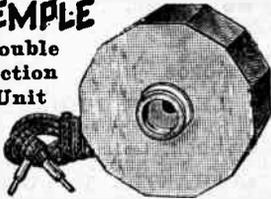
This is an inexpensive speaker that gives satisfactory service with any phonograph. It provides excellent and faithful tone reproduction at great volume. Has the new Utah patented diaphragm. It is finished in nickel.



No. R-0122, Utah "Phono" Speaker with stand. List, \$8.00. **\$4.70**
Your NET Price.....

No. R-0123, Utah "Phono" Speaker without stand. List, \$7.50. **\$4.41**
Your NET Price.....

TEMPLE Double Action Unit



The new A-C sets with power tubes have such a powerful output that many units on the market will not handle the low tones satisfactorily. Temple solves this problem with this masterpiece of engineering and manufacturing excellence. Note the sturdy construction. The air-gap in the Temple is substantially greater, making for a freedom from chattering under enormous volume. One of the most popular units the Radio public has ever known.

Its specially designed cap (shown in back view pictured below) allows free transmission of the higher frequencies and protects it against injury. Fully guaranteed.

No. R-0148, List, \$6.00. **\$3.53**
Your NET Price.....



UTAH Piano Speaker

By attaching this unit direct to the sounding board on the back of piano you make a radio reproducer of your upright or baby grand piano. Produces a quality of reproduction, the like of which you have never heard. Very popular. Easy to install. Doesn't mar the piano. Comes with a 25 ft. cord.

No. R-0125, List, \$10.00. **\$5.88**
Your NET Price.....



S-M Output Transformer or Speaker Filter

Type 222

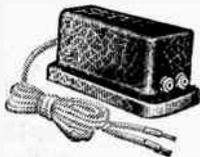


Most popular on the market! For use between set and speaker. Greatly improves speaker production by keeping direct current off of speaker windings. Almost a necessity on power sets when used with the average cone speaker. Made of the finest materials. Neat black case, very compact—will fit in back of most sets or beside speaker. Shipping weight, 4 lbs.

No. R-0354. List, \$9.00 **\$4.70**
Your NET Price.....



Ortho- phone



A remarkable device consisting of a series of reactances in one case. It is placed between speaker and set, relieving the speaker windings of the heavy plate voltages. Increases volume, yet prevents distortion. Especially desirable on power tube sets, but will improve output of any. Connected in 30 seconds without tools. Size, 4 1/2 x 2 1/2 x 2 1/2 inches. Beautiful moulded bakelite case.

Shipping weight, 3 lbs.
No. R-0300.. List, \$6.00. **\$3.53**
Your NET Price.....

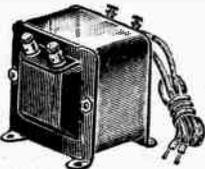
National Tone Filter

Especially desirable for use with power tube sets, but will improve the production of any receiver. Contains an impedance unit of the correct value and a tube filter condenser. Chattering and distortion are avoided by its use. Attractive metal case with tip jacks and 5-foot phone cord included.



No. R-0344. List, \$7.00. **\$4.12**
Your NET Price.....
No. R-0345. New 250 Type (for 250 power amplifiers). List, \$8.50. **\$5.00**
Your NET Price.....

Speaker Filter



An amazing value! Improves tone quality and increases volume. Cord to connect to speaker output of set and tip jacks to take speaker tips. Connected in 30 seconds. Saves life of speaker, protecting its windings from direct current voltages. Thoroughly reliable.

No. R-0335. List, \$2.50. **\$1.47**
Your NET Price.....



MIGNON Super Tone Filter

Protects the delicate speaker coils against the higher plate voltages required with power tubes. The output of the set can be handled through any speaker with safety, greater volume, clarity, sweeter tone and marvellously improved quality. Removes all rattle and distortion and brings radio reception to you, perfectly registered.

No. R-0346. List, \$3.00. **\$1.76**
Your NET Price.....

MUTER Clarifier and Tone Filter



A specially designed dual choke coil and large capacity filter condenser. Enclosed in highly finished enameled metal container. Easily attached. Improves tone, quality and volume by protecting speaker coils from high E voltage and preventing paralysis of speaker unit. Size, 4 in. high, 3 1/4 in. long, 2 1/4 in. wide.
No. R-0355. List, \$5.00. **\$2.94**
Your NET Price.....



Sterling Tone Filter

A power equalizing unit which absolutely prevents an overload of direct current from ruining the speaker. Permits close adjustment of speaker diaphragm, thus increasing its sensibility to weak signals. In many cases eliminates tube noises and improves tone quality of speaker.

Shipping weight, 3 lbs.
No. R-0343. List, \$5.00. **\$2.94**
Your NET Price.....



Frost-Fones

2,000 Ohm Phones with polished aluminum shells and composition caps.
No. R-020C. List, \$3.00. Your NET Price... **\$1.76**
3,000 Ohm Phones with polished aluminum shells and composition caps.
No. R-020I. List, \$3.50. Your NET Price... **\$2.06**
3,200 Ohm Phones with genuine moulded bakelite shells and caps.
No. R-0208. List, \$6.00. **\$3.53**
Your NET Price.....

LEADER PHONES

Good dependable quality, excellent performance, 2,000 Ohm.
No. R-0204. Leader Phones. **\$1.32**
List, \$2.25. Your NET Price.....
NATHANIEL BALDWIN
Type C Headset, famous the world over for their high quality.
No. R-0209. List, \$9.00 **\$5.29**
Your NET Price.....

TRIMM

No. R-0210. Trimm Dependable No. 60. List, \$4.00. **\$2.35**
Your NET Price.....
No. R-0211. Trimm Professional No. 70. List, \$5.50. **\$3.23**
Your NET Price.....



Carter Plugs

Durable, small and neat. Moulded bakelite handle. Spring terminals hold cord tips tight.
No. R-0347. "One Way" Plug. **29¢**
List, 50¢. Your NET Price.....
No. R-0348. "Tu-Way" Plug. **35¢**
List, 60¢. Your NET Price.....

E-Z Plugs

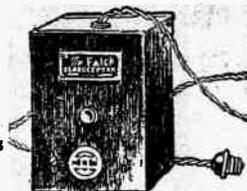
Polished black moulded plug. Tips cannot pull out, yet can be removed instantly.
No. R-0349. List, 35¢. **21¢**
Your NET Price.....



Frost Plugs

Two automatic plugs of genuine moulded bakelite. Fit all standard radio jacks.
No. R-0350. Single. List, 50¢. **29¢**
Your NET Price.....
No. R-0311. Double. List, 75¢. **44¢**
Your NET Price.....

Stop A-C Noises



Falck Claroceptor

Don't let the "static" that comes in over the house lighting system from motors, street cars, telephones and electrical appliances, mar your radio programs with hiss, squeal, fry and scratch! The Falck Claroceptor plugs in wall socket, ahead of set, and provides clearer A-C reception. Grounds and thus blocks out line interference noise and radio frequency disturbances. Also improves selectivity and distance. No changes in set required. Measures 3 1/2 x 5 1/2 x 2 1/2 inches. Tested, proved. Praised by thousands.

No. R-0513. Complete with cord and plug. List, \$7.50. **\$4.41**
Your NET Price.....



Carter Flat Plugs

Handle conforms with shape of dials and knobs. Quick removal and insertion of cord tips.
No. R-0302. Flat Plug. List, 75¢. **44¢**
Your NET Price.....

C. R. L. Modulator Plug

Marvelous control for volume and tone of any receiver. Installed without tools. Reduces static and other noises.
No. R-0303. Modu-Plug. List, \$2.50. Your NET Price..... **\$1.47**
No. R-0304. Modu-Cord. List, \$2.50. Your NET Price..... **1.47**



Poly Claro Plug

Eliminates crackling sounds from speaker. Broadens range; detail and definition to tone.
No. R-0351. List, \$1.50. **88¢**
Your NET Price.....

MUTER Plug

Only 2 1/2 in. long. Automatic instant change feature permits easy insertion of phone tips into shell where they are securely held under a brass lip. A slight outward pull on the cord causes instant release.
No. R-0352. List, 40¢. **24¢**
Your NET Price.....

De Jur Plug

Extremely small in size. Automatic sure-grip clips inside the plug, assure positive contact.
No. R-0306. Phone Plug. List, 20¢. Your NET Price..... **12¢**

Sprague Tone Control

A variable high capacity condenser for placing between set and speaker, allowing for accurate "impedance matching." Positively insures better reception. Attached instantly.
No. R-0330. List, \$3.50. **\$2.06**
Your NET Price.....



Extension Cord Sets

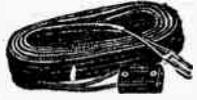
Complete with connector and tips.

No.	Length	List	NET
No. R-0356	20 ft.	\$1.00	45c
No. R-0357	30 ft.	1.40	59c
No. R-0358	50 ft.	2.20	85c

Extension Cords

Cords with tips only—no plug or extension jack.

No.	Length	List	NET
No. R-0360	10 ft.	\$0.45	24c
No. R-0361	20 ft.	1.05	27c
No. R-0362	30 ft.	1.65	41c
No. R-0363	50 ft.	1.85	68c



Belden Speaker Extension Cords

Conductors are 14x34 tinned stranded copper covered with colorubber, one brown, other black. Complete with connector and tips.

No.	Length	List	NET
No. R-0364	10 ft.	\$0.80	\$0.47
No. R-0365	20 ft.	1.10	.65
No. R-0366	40 ft.	1.85	1.09



Belden Flat Floor Cord

A rubber insulated cord which lies flat under rug, providing a convenient and safe outlet for floor lamps, fans, heaters, irons, etc., and radio sets or power units. Plug with round 4-foot cord connects to wall outlet. Wires won't break, rubber covering won't crack. Easily shortened to any special length; instructions for shortening included.

No.	Rug Size	Total Length	List	NET
R-0367	6 ft.	10 1/2 ft.	\$1.75	\$1.03
R-0368	9 ft.	13 1/2 ft.	1.95	1.15
R-0369	12 ft.	16 1/2 ft.	2.15	1.26

Belden Replacement Cords



All numbers listed have 2 Pin tips on end connecting to receiver. Other end has terminals as indicated.

No.	Instrument Terminals	Type	List	NET
R-0202	Pin Tips both ends	Speaker	35c	21c
R-0212	Pin Tips one end, Spade Tips other end	Speaker	35c	21c
R-0203	Pin Tips both ends	Phones	60c	35c
R-0207	Pin Tips one end, Spade Tips other end	Phones	60c	35c

Cord Tips



Well turned, highly nicked finish, handy for repairs for speakers and phones.

No. R-3033. List, set of four, 5c. **3c**
Your NET Price.....

TWO-PIECE CORD TIP
Very easy to connect to tinsel—no soldering necessary. Highly nicked finish.

No. R-3065. Midget Pin Tip. **9c**
List, 15c. Your NET Price.....

Ekko Phonograph Adapters

No. R-0307. Connects speaker unit to Edison phonograph.	16c
List, 25c. Your NET Price...	
No. R-0310. For Columbia, Pathe, Vocalion, Etc.	13c
Your NET Price.....	
No. R-0308. For Brunswick.	19 1/2c
List, 30c. Your NET Price.....	
No. R-0309. For Orthophonic Victrola, Brunswick, Prismatic and Kimball.	16c
List, 25c. Your NET Price.....	

B. M. S. Home Broadcaster



An adapter plug that slips into the detector tube socket of any radio set, with a long extension cord that reaches into another room or closet, where you talk into a microphone and broadcast via the loudspeaker. Fools everybody!

Can be left permanently connected to set as it will not interfere with radio reception. Absolutely noiseless and will give clear and

undistorted reproduction. Small, light and compact. It is unnecessary to change any of the set wiring or make changes in the battery connections.

No. R-01228. Type UX for Sets with 4-Prong Detector Tubes.
No. R-01229. Type AC, for Sets with 5-Prong Detector Tubes.
List, each, \$7.50. Your NET Price, **\$4.41**

PACENT Phonovox Type 12A



New, redesigned reproducer units. In the tone-arm model, extremely easy to mount. The new unit is vastly more sensitive and responds to the faintest impulses. Widely used and favored. Allows use of fibre needle, eliminating all scratch. Comes complete with adapters for both A-C and D-C sets.

No. R-5419. Type 12A, DeLuxe Model with Tone Arm.	List, \$13.50.	\$7.94
Your NET Price.....		
No. R-5401. Type 105-A, DeLuxe Model without Tone Arm.	List, \$10.50.	\$6.17
Your NET Price.....		

TEMPLE Comparator



Comparator, capable of instantly comparing four speakers—switching from one to the other without the loss of a single note. Thus you can demonstrate and compare tone values in a definite, practical manner.

No. R-0323. Temple Comparator.	List, \$3.50.	\$2.06
Your NET Price.....		

No Hum! Even, Smooth Running



BODINE Electric Phonograph Motor and Turn-table

Electrical reproduction of phonograph records, using an electrical pick-up with a radio receiver and loudspeaker, has taken the country by storm. Radio set owners, everywhere, are adding this innovation to their radio equipment.

A perplexing problem is to find a suitable electric turn-table for the records. Bodine engineers, with a quarter century experience in designing small motors, have created a remarkable unit in the type RC-10 Electric Turn-table for alternating current service. The small induction motor has no brushes or commutator. Hence, there is absolutely no interference in the loudspeaker. The absence of sparking brushes also assures utmost reliability. We believe this to be one of the best electric phonograph motors on the market and we recommend it highly. In fact, we caution against the purchase of cheap motors for this usage. Operates on 110 volt A-C house current.

No. R-5420. Type RC-10 Turn-table.
List, \$37.50.
Your NET Price..... **\$22.05**



United Electric Pick-Up

Generally considered to be one of the very best electrical pick-up devices on the market. Consists of special electrical recreator which picks up the sound impulses from the record and transmits them through audio system of radio set and thence through the loudspeaker. Has a sensitive volume control, and cord for connection to set. With this device and a good radio you get results equal to the \$1200 electric phonographs. Simple instructions—fitted in a moment—no changes in phonograph or set necessary. Shpg. wt., 3 lbs.

No. R-5409.	List, \$16.50.	\$9.70
Your NET Price.....		

National Portable Phonographs

Made by the makers of Carryola The National Junior

A little fellow, but a wonder! The size is 6 1/2 x 1 1/2 inches. Covered with good quality leatherette in popular colors. Nickel plated tone arm—S curved throw back. Highly developed, very sensitive Reproducer. Tone chamber is reflex type. Heavy nickel plated hinges. One winding plays two ordinary records. Turn-table is velvet-covered, 10 inches in diameter. Enclosed album. Case and album are embossed and air brushed. Shpg. wt., 12 lbs.

No. R-5410. Black. No. R-5412. Brown.
No. R-5411. Maroon. No. R-5413. Blue.
List, any color, \$15.00.
Your NET Price..... **\$8.82**



The National Senior

The peer of them all! In sweetness and purity of tone, it has no superior. The tone arm is nickel plated and of the S curved throw back type. Tone chamber is of the reflex type with latest style grille. Piano hinges, nickel plated. The motor is of unusual size for a portable, the most perfected motor ever made. It runs smoothly, silently and is guaranteed 2 1/2 records at one winding. Turn-table velvet-covered. Enclosed type album. Case is 8 1/2 x 1 1/2 inches, covered with finest quality imitation leather, richly embossed and air brushed. Shpg. wt., 15 lbs.

No. R-5414. Black.
No. R-5415. Maroon.
List, any color, \$25.00.
Your NET Price..... **\$14.70**

No. R-5416. Brown.
No. R-5417. Blue.



Model 306 A B C

Capacity "A": 8 Tubes at 6 Volts; "B": 22½, 45, 67½, 90, 135 Volts; "C": 4, 10 Volts. For operating all 8-tube and smaller receivers equipped with 201 A, 222, etc. tubes, either with or without 112 power tube in last stage. For 110 Volts, 50-60 Cycles AC. (Not made for 25, 30, 40 Cycles.) Uses 280 Rectifying Tube. Size: 10¼ in. wide, 7 in. high, 12½ in. long. Finished in Cracked Olive Green. Shpg. wt., 40 lbs. No. **2R-0775**. List, \$65.00. Without Tube. Your NET Price, **\$38.22**
No. **R-04121**—Type 280 Rectifying Tube.

KUPROX

No Bulbs • No Liquids • No Noise

A B C Power Packs

Same as used in AC sets except that the "A" portion supplies direct current. This permits use of battery type tubes. No harness or adapters—no changes in set wiring. Permanent, care free and absolutely humless.

Model 307 A B C

Capacity "A": Eight Tubes at 6 Volts; "B": 22½, 45, 67½, 90, 180 Volts; "C": 4, 45 Volts. Supplies all filament, plate and "C" current for 8-tube and smaller receivers, equipped with UX-201A, UX-222, etc., tubes and UX-171 power tube in last stage. For 110 Volts, 50-60 Cycles AC. (Not made for 25, 30, 40 Cycles.) Uses 280 Rectifying Tube. Size: 10¼ in. wide, 7 in. high, 12½ in. long. Finished in Cracked Olive Green. Shpg. wt., 50 lbs. No. **2R-0776**. List, \$67.50. Without Tube. Your NET Price, **\$39.69**
Extra. List \$4.50. Your Net Price, **\$2.65**

Kuprox Rectifier Replacement Units

Type A 110 for Trickle Chargers

For use on Balrite Type "K" (4-5 Amp.) Siltite (.6 Amp.); Vesta (.5 Amp.) Trickle Chargers.
Absolutely dry, silent, requires no attention, and lasts indefinitely. To install, simply disconnect electrolytic jar and throw away. Set KUPROX Unit in place of jar. Connect to trickle charger transformer and battery. Gives full wave rectification and .5-.8 ampere charging rate; eliminates all acids and other liquid. Shipping weight, 2 lbs.
No. **R-0846**—List \$5.00. **\$2.94**
Your NET Price,



Type A R-3 for Philco, Gould, Unipower, Uniontron, Exide, Willard, Eagle, etc., Chargers.

Absolutely dry, silent, requires no attention and lasts indefinitely. Easily and simply installed—only two wires to connect. No changes in transformer or other wiring required. Gives slightly higher rate than old electrolytic jar. Absolutely silent, does not interfere with neighboring sets, requires no attention.
No. **R-0847**—List \$5.00. **\$2.94**
Your NET Price,

No. **R-19157**—Type F-5 Variable Resistor for use with the above when charging 4-volt batteries or reducing normal charging rate developed. List \$1.00. **59¢**
Your NET Price,



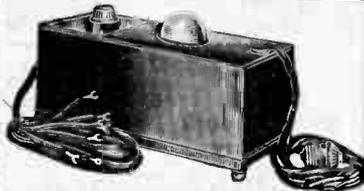
Type C R-1 For Replacing Tungar 1-Amp. (Small) Bulbs on the Following Power Units:

Philco, Willard, Exide (Bulb Models)
Not only does this dry filament KUPROX Unit replace the short-lived Tungar 1-ampere bulb, but as a full wave rectifier develops a higher charging rate with less current consumption. Silent, care free and lasts indefinitely. Fits any bulb charger using Tungar 1-ampere bulbs. Cannot be used for charging batteries larger than 6-volts. Shipping weight, 2 lbs.
No. **R-0848**—List \$5.00. **\$2.94**
Your NET Price,



Kuprox "Multi-Rate" Charger

For Trickle Charging Radio Batteries, Operating Dynamic Load Speakers, Supplying Radio Filament Current, Operating Time Clock and Recording Systems, Etc., Operating Telegraph Sounders, Bells, Whistles, Etc., Operating Telephone Circuits, and Other Radio and Industrial Uses.
Can be used for any above listed purposes while the set is in operation without danger of burning out tube filaments. Requires absolutely no attention or adjustment of any kind and will last indefinitely.
A self-contained rheostat makes it possible to obtain the exact charging rate necessary to keep battery current in charged condition. Any charging rate between .25 and 6 volt batteries. It provides for high and low line voltages, individual battery conditions, difference in length and size of charging leads, etc.
Can be used for any above listed purposes requiring direct current of 1 amp. or less. For more ampere two or more units may be hooked in parallel. Size: 3½ in. wide, 1 in. high, 7 in. long. Shipping weight, 8 lbs.
No. **R-0849**—Complete for 115 volt, 50-60 cycle AC circuits. List, **\$6.76**
No. **R-0850**—Complete for 25-30-40 Cycle. List, **\$12.50**. **\$7.35**
Your NET Price,



Kodel "314 B-C" Transifier

Designed throughout especially for use with all Radiola, Brunswick and Victrola combinations, and other receiving sets employing the 199 tube tube. Furnishes all B and C current required to operate such models either with or without power tube, viz.: 45, 90 and 135 volts "B" current, together with 4 and 22½ volts "C" and is equipped with special cable to facilitate connecting to the standard Radiola Terminal Board for operation on 110 volts, 50-60 cycle AC circuits, complete with connecting cable but without tubes.
No. **2R-0777**. List, \$37.50. **\$22.05**
Your NET Price,

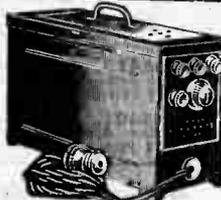
No. **2R-0773**. Model 314 B-C for 25-40 cycle. Without Tube. List **\$24.99**
\$42.50. Your NET Price,

No. **R-04121**. 280 Rectifying Tube. Extra. List \$4.50. **\$2.65**
Your NET Price,

Kuprox "B" Power Pack

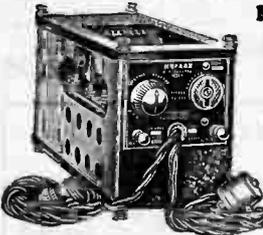
Model 361-B

Operates all makes and types of 6-tube and smaller sets either with or without power tube. Operates without hum—gives greater volume and sweeter tone than batteries. Also reduces static interference. Employs but a single adjustment regulating its output to the exact individual requirements of the set. Once adjusted at time of installation it requires no further attention. Supplies "B" current only up to 35 M.A. at 45-90 and 180 volts—all outputs unaffected by line voltage and frequency variations. Operates on 110 volts, 50-60 cycles AC. (Not made for other voltages or frequencies.) Size: 4 in. wide, 11 in. long, 7¼ in. high. Shipping wt., 13 lbs. No. **2R-0781**. List, Without Tube, \$26.50. Your NET Price, **\$15.58**
No. **R-04121**—Type 280 Rectifying Tube. Extra, List \$4.50. **\$2.65**
Your NET Price,



Kuprox "A" Power Packs

For All Sets
No Hum



Can be used in conjunction with any standard "C" eliminator, in case you already have a good standard plate supply unit. They contain no tubes, acids or liquids of any kind and they are absolutely dry and care free. Tapped transformer and adjustable switch permits adjustment in output voltage to meet individual set and line conditions.

Model 302-A

Capacity Eight 201-A or other .25 Amp., 5-6 Volt Tubes. Supplies DC filament current for operating 201-A, 222, 171, 112 and all similar 5-6 volt tubes. Connects to receiver binding posts the same as a battery. Capacity 2½ ampères—sufficient to operate 8-tube or smaller set. Made only for 110 Volts, 50-60 Cycles. Size: 5¼ in. wide, 7 in. high, 12½ in. long. Shipping weight, 20 lbs. No. **2R-0779**. List complete **\$20.58**
\$35.00. Your NET Price,

Model 301-A

Capacity ten 199 or other .06 Amp., 3-4 Volt Tubes. Supplies DC for 199, 120 and smaller 3.5 Volt tubes. Cap. 1 Amp., sufficient for operating sets with up to 12 such tubes. Size: 5¼ in. wide, 4¾ in. high, 12½ in. long. Shipping weight, 20 lbs. No. **2R-0780**. List complete **\$19.11**
\$32.50. Your NET Price,

Kuprox "BC" Power Packs

No Hum



Model 310-BC

For all large sets equipped with 112 Power Tube. May also be used with sets employing the new 222 Shielded Grid R. F. Tubes where 112 power tube is used in last A. F. stage. Size: 5¼ in. wide, 7 in. high, 12½ in. long. Shipping weight, 20 lbs.
No. **2R-0782**. 110 Volts, 50-60 Cycles AC. List, Without Rectifying **\$20.58**
\$35.00. Your NET Price,

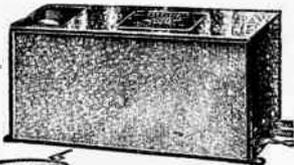
No. **2R-0783**. For 25-30-40 Cycles. List, Without Rectifying Tube, **\$23.52**
\$40.00. Your NET Price,

Model 316-BC

For all large sets equipped with 171 power tube. May also be used with sets employing 222 shielded grid R. F. tubes, where 171 power tube is used in last stage. Size: 5¼ in. wide, 7 in. high, 12½ in. long. Shpg. wt., 20 lbs.
No. **2R-0784**. For 110 Volts, 50-60 Cycles AC. List, \$37.50. **\$22.05**
Your NET Price,

No. **2R-0785**. For 110 Volts 25-30-40 Cycles AC. List, \$42.50. **\$24.99**
Your NET Price,

No. **R-04121**—Type 280 Rectifying Tube. Extra, List \$4.50. Your **\$2.65**
NET Price,



MUTER
Complete AC Power Unit

The ideal type of unit for an AC set in view of the compact size, handsome appearance and uniform long life output. This unit will supply complete "A," "B" and "C" power for any set up to 7 tubes with a power tube in connection with AC tubes. "A" leads comprise 1.5, 2.5 with center tap, and 5 volts with center tap. "B" leads are Negative, 45, 67, 90, 135 and Power. "C" capacity 220 volts at 40 mills. Uses type 280 tube on 110, 220 Volt, 60 Cycle Current. Size: 12 in. long, 3 1/4 in. wide, 5 1/2 in. high. Black crystalline finish. Shipping weight, 15 lbs.

No. 2R-0799. List, \$30.00. Without tube. Your NET Price... **\$17.64**
No. R-04121. Sonatron 280 Tube. List, \$4.50. Your NET Price... **\$2.20**

Webster AC Power Packs—Style A

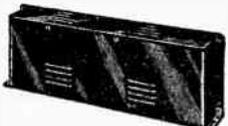
Provide all AC and DC voltages as well as all grid biases, for all 5 and 6 tube receivers employing AC tube. Taps for 1 1/2, 2.2 and 5 volts output. Designed for 280 TV tube or Raytheon Type Rectifier. Equipped with Jones Multi-plug. Size: 6 in. wide, 1 1/2 in. long, 6 in. high. Complete with cable, but no tube.



No. 2R-07100. For 280 type tube. Your NET Price... **\$20.58**
No. 2R-07103. For BH type tube. List, \$35.00. Your NET Price... **\$20.58**

Webster AC Pack

Compact Model Style B



Designed to incorporate into receiver. Measures only 2 1/2 in. wide, 1 1/2 in. long, 6 1/2 in. high. Provides all DC and AC Voltages required in 5 and 6 Tube AC receivers, including power tubes. Taps for 1 1/2, 2.2 and 5 volts. Terminal strip for direct wiring to set. For 280 or Raytheon Tube. Price does not include tube.

No. 2R-07101. For 280 type tube. List, \$32.50. Your NET Price... **\$19.11**
No. 2R-07104. For BH type tube. List, \$32.50. Your NET Price... **\$19.11**

Webster Reliable B



A quiet, economical B Battery Eliminator. Has two variable controls using screwdriver adjustment. Detector and Amplifier, with an extra power tube tap supplying 135 to 180 volts. Four binding posts: for Negative B, Detector, Amplifier and Power. It can be arranged to deliver current values for Detector, 67 1/2 volts through an extra Claro-stat, 90 volts and 135 volts, or any other combination up to 180 volts. These are ample B voltages for most powerful receivers. Fully adjustable to meet the requirements of any set. Designed for Raytheon tube rectification. Size: 6 in. high, 6 1/2 in. wide, 1 1/2 in. long. Shipping weight, 16 lbs.

No. 2R-07102. List, \$18.50. Less Tube. Your NET Price... **\$10.88**
No. R-0453. Raytheon BH Tube. List, \$4.50. Your NET Price... **\$2.65**

FANSTEEL
Balkite Radio Power Units

Balkite "B"—Supplies "B" Current from Light Socket

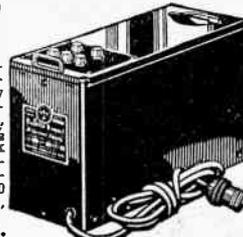
Both models utilize the new Balkite filter condenser, insuring smooth, hum-free operation, in a way not hitherto possible in any "B" unit. Designed to avoid overload in the power tube, thus insuring long tube life and quality of output. Both models are compact and require no adjustments. Can also be used to operate 110 volt dynamic speaker.



Model E (Electrolytic)

Uses Standard Balkite electrolytic rectifier and new Balkite filter condenser. Output, 30 mills. at 157 1/2 volts. Size, 4 1/2 x 4 1/2 x 8 1/2 inches. Operates from 110-120 volt A-C, 60 cycles. Net weight, 13 1/2 pounds.

No. 2R-0768. List, \$18.82. Your NET Price... **\$32.00**



Model T (Dry)

Uses UX280 rectifier or equivalent and new Balkite filter condensers. Output, 30 mills. at 157 1/2 volts. Size, 4 1/2 x 4 1/2 x 8 1/2 inches. Operates from 110-120 volt A-C, 60 cycles. Net wt., 13 1/2 lbs.

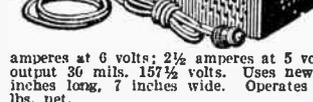
No. 2R-0767. List, \$28.00. Less Tube. Your NET Price... **\$16.46**

Balkite AB Combination Model G (Dry)

Supplies both "A" and "B" current from the light socket.

Replaces both "A" and "B" batteries. Contains no battery in any form. Operates only during reception. Complete in itself and requires no outside accessories and no attention or adjustments of any kind.

Extremely quiet in operation. May also be used to supply power to 110 volt dynamic speaker.



Specifications: Balkite Dry "A." Output, 2 amperes at 6 volts; 2 1/2 amperes at 5 volts. Dry "B" using UX280 rectifier or equivalent. Output 30 mills. 157 1/2 volts. Uses new Balkite filter condenser. Size, 8 inches high, 16 inches long, 7 inches wide. Operates from 110-120 A-C 60 cycle current. Weight, 25 lbs. net.

No. 2R-0769. List, \$69.50. Less Tube. Your NET Price... **\$40.87**

Webster Super B



Designed for use with Raytheon tube. Delivers under normal load, 75 to 180 volts on the power tube tap. Has three variable controls: Detector, Amplifier and Power. Four binding posts: for tube, Detector, Power and Amplifier.

Negative B, Detector, Power and Amplifier. Handles any receiver drawing up to 60 milliamperes with five tubes or more and with power tube in last audio stage. Delivers sufficient surplus current that with its wide range of smooth, positive, variable control in the power amplifier tap as well as in the detector and intermediate taps, the B supply may be adjusted to the exact needs for best reception. Size: 6 in. high, 6 1/2 in. wide, 1 1/2 in. long. Shipping weight, 19 lbs.

No. 2R-0796. List, \$24.00. Less Tube. Your NET Price... **\$14.11**

No. R-0453. Raytheon BH Tube. List, \$4.50. Your NET Price... **\$2.65**

MUTER "B" Power Unit



Fixed controls with six taps for all voltage requirements of sets with ten regular tubes or seven and power tube. Model 3000 rates at 40 mills. at 150 volts. Model 3050 delivers 50 mills. at 150 volts and gives 180 volts for power tube. Size, 6 1/2 in. wide, 7 in. high, 8 1/2 in. long. Highly finished enameled metal case with Bakelite front panel. Shipping weight, 15 lbs.

No. 2R-0797. Model 3000. For 280 or 213 Tube. List, \$22.50, without Tube. Your NET Price... **\$13.23**

No. 2R-0798. Model 3050. For Raytheon B, H., or similar tube. List \$22.50, without Tube. Your NET Price... **\$13.23**

No. R-04121. Sonatron 280 Tube. List, \$4.50. Your NET Price... **\$2.20**

No. R-0458. Raytheon BH Tube. List, \$4.50. Your NET Price... **\$2.65**

TOBE A Supply Kit

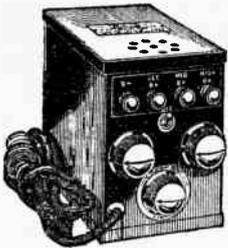


Includes one Tobe A-Filter and one Tobe Transformer completely assembled. Comes with cord attached and finished in silver color. No wiring or rewiring of set—use your same tubes. 8-tube capacity.

No. 2R-07119. Tobe A Supply Kit. List, \$33.00. Your NET Price... **\$19.40**

No. R-14238. Tobe A Filter, placed between battery and charger makes complete A-supply unit. List, \$18.00. Your NET Price... **\$10.58**

See Page 69 for Tobe Transformer.



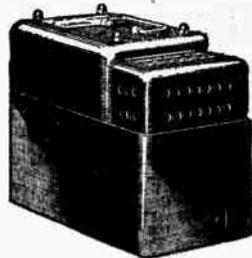
Sterling "B" Power Supply R-81

For 3 to 8 Large Tube Sets. Uses B H Raytheon Tube. Will give fully satisfactory operation on practically all sets in which the "C" voltage is supplied from a battery. It will also operate as many as 8 large tubes, including a power tube on well built sets, when properly grid biased. It uses the B H Raytheon Tube, and is equipped with an "on" and "off" control switch. Both amplifier and detector voltages are variable and an additional primary control regulates all voltages proportionately. Operates from 115 volt, 60 cycle A-C. Size, 7 1/2 x 4 1/2 x 5 1/2 inches.

No. 2R-0786. Without Tube. List, \$14.11
\$24.00. Your NET Price.....

No. R-0453. B H Raytheon Tube, Extra. List, \$4.50. Your NET Price..... 2.65

New Abox A-C Converter



This splendid A power unit enjoys a nation-wide popularity. It takes the current from the light socket, rectifies and filters it and delivers it to the radio receiver. Contains no battery. Operates only when set is in use, and requires practically no attention. This model operates all sets, using 8 or less 1/4 ampere tubes or their equivalent. Compact in size—fits into almost any console. For 110 volt, 60 cycle house current. Delivers 6 volts, 2 amperes. Shipping weight, 25 lbs.

No. 2R-0764. List, \$35.00. \$20.58
Your NET Price.....

STERLING "B-C" Power Supply R-98



Universal Model. Uses B H Raytheon Tube. Will operate any radio set, using up to 100 milliamperes without h. m. Maximum voltage is 180 volts. "C" voltage

regulation is independent and variable voltage regulation is provided for both Detector and R. F. A primary voltage control inside the case regulates A. F. and Power voltages and at the same time, varies all other voltages proportionately, so that the tubes will not be overdriven, when the unit is applied to sets where moderate "B" and "C" voltages are needed. Equipped with "On" and "Off" switch. On a basis of voltage control, convenience and permanency we invite your comparison of this "B-C" Unit with any eliminator you can find. Size, 4 1/2 x 1 1/2 x 6 inches. Operates from 115 volts, 60 cycle A-C. Shipping weight, 30 lbs.

No. 2R-0787. Without Tube. List, \$33.50. Your NET Price..... \$19.70

No. R-0453. B. H. Raytheon Tube, Extra. List, \$4.50. Your NET Price..... \$2.65



STERLING AC TRI-POWER

Furnishes all voltages "A-B-C" for use with type 222 or 227 A-C and 171 or 112 tubes. Does not require inserting "C" bias resistors or filament by-pass condensers. Handles 5 to 7 tube sets. Has A-C line voltage rheostat. Cables supplied for popular sets as listed below:

No. 2R-0791. Model R-810. 115 Volt, 60 Cycle A-C. Size, 8 1/2 x 4 1/2 x 6 inches high. Shipping weight, 15 lbs. Without Adapter Cable. List, \$32.00. Your NET Price..... \$18.82

No. 2R-0792. Model R-809. 115 Volt, 25.00 Cycle A-C. Size, 8 1/2 x 4 1/2 x 6 inches high. Shipping weight, 24 lbs. Without Adapter Cable. List, \$37.00. Your NET Price..... \$21.76

No. R-0453. B. H. Raytheon Tube, Extra. List, \$4.50. Your NET Price..... \$2.65

Adapter Cables

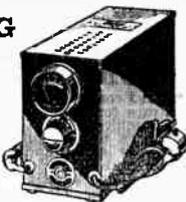
Model R-820—For Atwater Kent, 30, 33 or 35; Bosch 48; Crosley Bandbox; Erla S-51; Fada Special; Freed-Elsemann NR-8, NR-9 or NR-66; Freshman F-1; King 80; Kolster G-D; Pfannstiel; Radiola 10; Stewart Warner 500.

No. 2R-0793. List, \$6.00. Your NET Price..... \$3.53

STERLING



6 Volt "A" Socket Power



Simple, positive, dependable. Comes with Tungar 3 Ampere, full wave bulb. For sets of 5 to 10 tubes, including power tubes. A single pendant switch controls all power—"A", "E" and input. This makes for fool-proof operation. Nothing to spill in the "Dri-A." Lighter than a wet cell unit. Fits practically any console. Size, 7 x 1 1/2 x 3 inches high. Operates from 115 volt, 60 cycle A-C, 6 Volts, 3.0 amperes. Shipping weight, 25 lbs.

No. 2R-0788. For Sterling Dri-A. Including Tungar 3 Ampere Full Wave Bulb. List, \$37.50. Your NET Price..... \$22.05

WEBSTER "A" Supply

Bone-Dri A-10. A compact unit, which supplies 2 1/2 a m p s. at 6 volts. It has a variable resistance, controlling the power, to suit line conditions. Has receptacle in which a B eliminator may be plugged. In this way, the entire set may be controlled from pendant switch attached to the A unit. Elkon rectifier and condensers are used. Size, 10 1/2 inches high, 1 1/2 inches long, 3/4 inch wide. Shipping weight, 27 lbs.

No. 2R-0794. List, \$35.00. \$20.58
Your NET Price.....

TOBE "A" Filter



A condenser for filtering 6 volt filament supply. Only 1 1/2 x 3 1/2 inches in size, 3,600 mfd. Dry—no attention required. With it you can run ordinary battery type tubes from a lamp-socket A-C supply. Also, can be used with some battery chargers and suitable chokes for converting a battery set to A-C operation. (Data furnished on request.) Working voltage 3-10 volts; silvered case; Tobe slide terminals.

No. R-14120. Tobe Type 28, A-Block. List, \$6.00. Your NET Price..... \$3.53

This unit contains a Tobe A-Block of 7,600 mfd. together with necessary chokes in one single case. Can be used with any battery charger of 2 to 3 amps., with provisions for voltage regulation by taps, to give 9 volts at output. (Write for complete details, if you do not have them.)

No. R-14121. Tobe A-Filter. List, \$18.00. Your NET Price..... \$10.58

STERLING A-C Tube Transformer



This complete unit, when hooked up with a standard cable and any reliable "B" power, will turn any 5 to 7 tube set into an A-C Model. Ready to install. Supplies both "A" and "C" voltages. No addition of mid-tap resistors. No filament by-pass condensers. No "C" batteries or "C" wires. No external apparatus. No rewiring. Size, 3 3/8 x 3 inches.

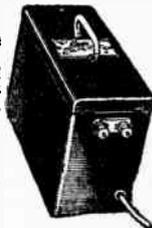
No. 2R-0789. Model R-850. 115 Volt, 60 cycle A-C. List, \$14.50. Your NET Price..... \$8.53

No. 2R-0790. Model R-849. 115 Volt, 25-40 cycle A-C. List, \$16.00. Your NET Price..... \$9.41

4-Volt Type

Especially designed for sets using 4 volt tubes, such as Radiola and others.

No. 2R-0765. List, \$27.50. Your NET Price..... \$16.17



Abox Filter

For converting a battery charger to an "A" eliminator. Simply connect it between the charger and the receiver to operate the set without a storage battery.

No. 2R-0702. 6 Volt. List, \$19.50. Your NET Price..... \$11.47

No. 2R-0737. 4 Volt. List, \$19.50. Your NET Price..... \$11.47



KNAPP "A" Power Unit

Supplies even D-C current up to 2 1/2 amps. at 6 volts. Sufficient amperage for any set and ideal for Super-Heterodyne and Short Wave Sets. Has a 4 volt tap on which to operate any set, using 4 volt tubes, including Radiola 25, with power tube. Operates on 105-120 Volts A-C. 50-60 cycles. Complete with "B" Eliminator receptacle, and pendant switch, which controls set, "A" and "B" Power. Works equally well on batteries or eliminators. Meticulousness. No moving parts, nothing to burn out, no fuses, no water, acids or alkalis.

No. 2R-0795. Knapp A Unit Wired Complete. List, \$37.50. Your NET Price..... \$22.05

No. 2R-0747. Knapp A Power Unit in Kit form only. List, \$35.00. Your NET Price..... \$20.58

ELKON

Tapering Chargers



Trickle Type E
An amazingly low price for so fine a charger. Has the well known reliable Elkon Dry rectifying system, generally conceded to be the best. No water or acid; no bulbs or moving parts. Full wave. Unit

definitely guaranteed for 5,000 hours of life! Charging rate starts at 1 ampere and tapers to .3 amp. as battery reaches full charge. Very compact, 6 x 6 x 2 1/2 inches. For 110-120 volts, 60 cycle alternating current. Shipping weight, 6 lbs. **No. 2R-0838. List, \$5.88 \$10.00. Your NET Price.....**

3-Ampere Type Charger



Bone dry, operating without acids or water, without tubes or moving parts, this is one of the most efficient, convenient chargers made. No noise or interference. Only by the glow indicator bulb can you tell it is on. Dependable as a railroad watch. Indefinite life. Full wave—very economical to operate; 6 1/2 inches high, 7 1/2 inches long, 4 1/2 inches wide. 3 ampere rate, tapering off to 2 amperes as battery rises to full charge. For radio or auto 6 volt batteries. For 105-120 volts, 60 cycle A-C. Shipping weight, 12 lbs. **No. 2R-0819. List, \$7.94 \$13.50. Your NET Price.....**

Elkon Replacement Rectifiers

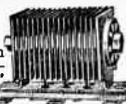


For Balkite Chargers

"The Elkon Replacement Units and those made by the Faanstel Products Company, containing the Elkon Dry Rectifier, are the only ones authorized for replacing the acid jars in Balkite Power Units."—Guarantee of Faanstel Products Co., Inc. Also increases efficiency of charger with Elkon Dry Rectifier. The charging rate on the Balkite Type N is increased to 1 ampere, on the Type K, to 3 of an ampere and the Type J 20% higher on all charging rates. **No. R-0852. Type BNK (for Types N and K). List, \$5.00. \$2.94 Your NET Price.....**

No. R-0853. Type B J (for Type J). List, \$7.50. Your NET Price..... \$4.41

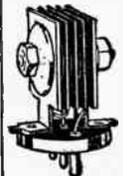
For "A" Eliminators



Standard equipment on Majestic, Philco, Webster, Sentinel, etc. "A" eliminators.

No. R-0854. Type M-16. \$4.12 List, \$7.00. Your NET Price.....

For Trickle Chargers



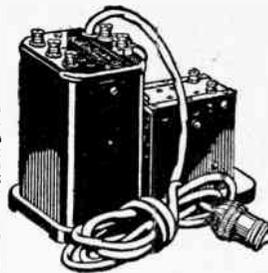
For replacement in following trickle chargers: Elkon National, Acme, Bernard, Cleveland and Precision. Three of these units in a set, as there are three in all of the chargers.

No. R-0855. Type V-4. Set of three. List, \$4.00. Your NET Price..... \$2.35

FAANSTEEL Balkite

New Trickle Charger Model F (Dry)

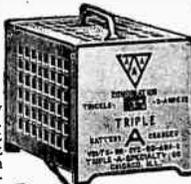
For radio "A" storage batteries. The standard radio charger. Noiseless. Can be used while set is in operation. Particularly adapted to severe use of trickle charging. Nearly 2,000,000 Balkites in use. Charging ratios are those proven to be most desirable for radio use. May also be used to supply field voltage for 6 volt dynamic speaker. Model F (Dry) employs new Balkite rectifier unit, the most efficient of its type, and requires no attention. Does not use a tube. Charging rates, .5 and .8 amperes, for either moderate or heavy service requirements. Size, 4 1/2 x 7 1/2 x 6 1/4 inches. Net weight, 6 1/2 lbs. Operates from 110-120 volts A.C., 60 cycles. **No. 2R-0845. List, \$11.00. Your NET Price.....**



\$6.47

Triple-A Charger

No Bulbs, No Acids or Vibrators



Employs the Dry Disc solid rectifier. Scientifically right and is very efficient and economical in operation. A full-wave rectifier, even and uniform. No wear or decomposition of metals. Nothing to get out of order or wear out.

No. 1R-0843. Combination 1/2 ampere on trickle position and 2 ampere rate on full charge. List, \$14.00. Your NET Price..... \$8.23

No. 1R-0844. Full charge 2 ampere rate charger only. List, \$14.00. Your NET Price..... \$8.23

Silver Beauty

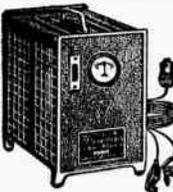


Combination Trickle and Full Rate Charger

A complete charger for "A" batteries at a trickle rate of 1/2 ampere or by turning toggle switch may be instantly changed to full rate 2 ampere charge. Noiseless and efficient. May remain permanently connected to set and may be used on the trickle position while radio set is in operation. Completely equipped with cords and clips. For 50-60 cycle 110-120 volt current. Bulb extra. **No. 1R-0810. Model 350. \$5.88 List, \$10.00. Your NET Price.....** Similar to above, but without combination feature. Gives full 2 ampere charge only. "On" and "Off" switch on panel. May be run while radio is in operation. Bulb extra. **No. 1R-0811. Model 340. \$5.88 List, \$10.00. Your NET Price.....**

Silver Beauty Charger

Absolutely Dry



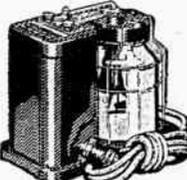
Footproof, quiet—the utmost efficiency. No loose wires, yet quickly and positively changed from "A" to "B" charge by simply tripping the panel switch. Will charge 96-volt "B" batteries in series. Will charge average "A" battery over night. Ammeter on front. Handle. Metal case, gray enameled. Two sizes, as listed. For 50-60 cycle 110-120 volt current. Bulb extra. **No. 1R-0808. Model 310, 5 Ampere Rate. List, \$20.00. Your NET Price..... \$11.76**

No. 1R-0807. Model 320, 2 Ampere Rate. List, \$14.00. \$8.23 Your NET Price.....

No. 1R-0809. Model 360, for 110 volt Direct Current only. \$9.70 List, \$16.50. Your NET Price.....

No. 1R-0813. Model 400, 1 to 5 charger for service stations. \$39.20 List, \$50.00. Your NET Price.....

Balkite Model N (Electrolytic) Trickle Charger



A larger trickle charger of increased capacity to serve large sets and power tubes. Has two rates, .5 and .8 ampere. The first rate is sufficient as a trickle charger for sets up to 5 tubes. The second for sets of up to 8 tubes, including power tubes. Operates from 110-120 A-C. Dimensions: 4 1/2 x 7 1/2 x 6 1/4 inches high. Charging rates: .5 and .8 amp. Shipping wt., 6 1/2 lbs. **No. 2R-0827. For 50-60 cycle. List, \$9.50. Your NET Price... \$5.59**

Webster Charger



This Bone Dry Charger, using Elkon Rectifier, charges at full rate of 3 amperes. It charges at a tapering rate, that is, when your "A" battery is low the rate of charge is high, and when battery is high the charging rate is low. This insures against possibility of over-charging battery. There are no tubes, liquids or acids of any sort. Needs no attention. Sturdy design with rectifier in the open, allowing complete ventilation. Size: 4 in. wide, 6 in. high, 7 in. long. For 110 volt 60 cycle A-C current. Shipping wt., 6 lbs. **No. 2R-0851. List, \$11.00. \$6.47 Your NET Price.....**

Yaxley Automatic Power Control



For switching "B" Eliminator and Trickle charger or either.

444 Series Type
Keeps voltage drop less than 2/10 volts with sets of current draw equivalent to 4-199 tubes up to 11-201 tubes.

No. R-2550. List, \$5.00. \$2.94 Your NET Price.....

445 Multiple Type

No voltage drop. Best of all sets. Recommended for multi-tube sets. Also sets with low current draw. **No. R-2551. List, \$6.00. \$3.53 Your NET Price.....**

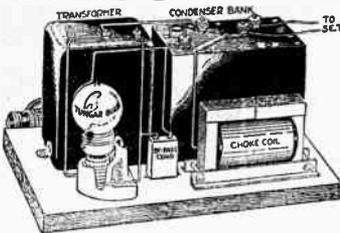
Rectigon Charger Bulbs

Genuine Westinghouse Rectigon bulbs for use with Silver Beauty and other bulb type chargers. Very thoroughly tested and well packed to insure safe shipment. When wanted for replacement, please mention serial number of bulb being replaced.

No. R-0455. 2 Ampere Rectigon. List, \$4.00. Your NET Price..... \$2.94

No. R-0456. 5 Ampere Rectigon. List, \$8.00. Your NET Price..... \$5.88

Setco "A" Eliminator



A True "A" Eliminator No Battery Costs Less Than Storage Battery and Charger

Licensed by the ANDREWS-HAMMOND CORP., under Andrews' condenser and other Andrews-Hammond Patent applications.

An extremely high quality, efficient, economical, light "A" eliminator. Costs less than storage battery and charger. Not a trickle charger, but a true "A" eliminator. Pure direct current at the touch of the switch. No battery. No hum. Never wears out. Easily and quickly assembled with only screw driver and soldering iron as tools. Consists of a rectifier circuit and a filter circuit. The transformer unit steps down the 110-120 volt, 60 cycle A-C and delivers it to rectifying tube. It then passes through the Filter, smoothing out all ripple and hum. This filter circuit employs the famous Abox Filter, and a special choke coil. With this combination you are always assured of the same satisfactory filament supply as comes from a fully charged, perfect storage battery. The complete kit as it comes to you contains: 1 Setco Power Transformer (reduces line voltage to 7½ volts; has 1½ volt tap to light filament of the Tungar bulb; absolutely noiseless in operation; 1 Abox Condenser Bank (capacity approximately 1,000,000 mfd.); 1 Setco Heavy Duty Choke Coil (specially designed for this power unit and guaranteed not to burn out); 1 Tungar Bulb Socket (porcelain base which will also accommodate a Rectigon Bulb); 1 By-Pass Condenser (.25 mfd.); 1 Set of Instructions (with complete drawings); 1 Mounting Board (necessary wire, screws, etc.).

Now comes the most pleasant surprise of all—the price. Only by distributing great quantities of them are we able to offer this splendid Kit at this amazing price.

No. R-07117. Kit Complete, as listed. **\$14.41**
List, \$24.50. Your NET Price.....

No. R-04192. 1-Amp. Tungar Bulb, Extra. **2.94**
List, \$4.00. Your NET Price.....

IMPERIAL Dry Batteries



Imperial Batteries are made in the two most popular sizes, similar to Ray-o-vac Types 9303 and 2310. Has pitchless construction which means very long life. This is the long service battery you have wanted. AN EXCEPTIONAL VALUE. These are not cheap batteries thrown together to sell at a price, but a thoroughly reliable high quality product. They give a clear, smooth flow of power and have a long life.

No. R-0621. Heavy-duty 45 volt. List, \$3.75. **\$2.18**
Your NET Price.....
No. R-0620. Regular 45 v. upright. List, \$2.50. **\$1.49**
Your NET Price.....



VITALIC Storage Batteries Heavy Duty Type

Shipped from Chicago or Kansas City Vitalic "A" Storage Batteries are produced in a factory where every modern method of manufacture has been utilized to obtain standardized high quality. The composition case and jars are one unit. They are practically unbreakable so that all possibility of the battery leaking is entirely eliminated. The plates are uniform machine pasted, formed hard for long service, and porous to assure maximum capacity and a slow, even flow of current, essential to clear and undisturbed reception. The separators are genuine Port Orford Cedar, the type which has proved best for low internal resistance and long life. The most improved leaded post construction is used and the cells are sealed individually.

Heavy Duty Radio "A" Batteries are rated correctly on the straight one-ampere continuous discharge rate and are guaranteed for two years.

It is equipped with improved type radio terminals and heavy connectors. A leaded steel ball handle makes it very easy to carry. Output of each model, at maximum, is 6 volts. Shipped from either Chicago or Kansas City.

No.	Plates	Hour	Length	Width	Height	List	NET
R-0550	7	60	7 in.	7 in.	8 1/2 in.	\$10.50	\$5.29
R-0561	9	80	8 1/2 in.	7 in.	8 1/2 in.	12.50	6.95
R-0552	11	100	8 1/2 in.	7 in.	8 1/2 in.	14.50	6.95
R-0553	13	120	10 1/2 in.	7 in.	8 1/2 in.	17.00	8.15

RAY-O-VAC Radio's Best Batteries

Master Heavy Duty 45V. Type 9303

Has twice the life of ordinary 45 volt types of medium size. Especially recommended for sets requiring more than 15 mls. of current. Has 30 extra large size cells giving 45 volts with one intermediate tap at 22½ volts. Size, including terminals: 8x4 1/2x7 1/2 in. Ship. wt., 10.76 lbs. No. R-0608. List, \$3.75. Net, Each, \$2.80. In Lots of 6, **\$2.60** Net, Each.....



Type 2303 45-V "B"

Thirty cells giving 45 volts with one intermediate voltage tap at 22½ volts. Has screw post terminals. Especially recommended for receiving sets requiring a large battery in a comparatively small space. Size, including terminals: 8x3 1/2x7 1/2 in. Ship. wt., 7.03 lbs.

No. R-0607. List, \$2.50. Net, Each, **\$1.88**. In Lots of 6, **\$1.75** NET, Each.....



Type 5151 "B" & "C"



Ideal for Portable sets. As "C" battery has four terminals: 22½C; —16½C; —4½C; +C. Size, 4 1/2x2 1/2x3 1/2 in. List, \$1.50. No. R-0603. List, \$1.50. Net, Each, \$1.13. In Lots of 5, NET, Each, **\$1.05**

Type 2153 22½V. "B"



Vertical type; 15 cells; 22½ volts; screw post terminals. For sets requiring not more than 15 mls. Size, including terminals: 4 1/2x3 1/2x7 1/2 in. Ship. wt., 3.61 lbs. No. R-0606. List, \$1.75. Net, Each, \$1.31. In Lots of 10, NET, Each, **\$1.22**

Type 231-R "C" or "A" 4½ V.

A 4½ volt "C" Battery designed to give dual service. As an "A" battery it can be used on portable sets with 4½ volt tubes. Has one 4½ volt terminal. Size, 4x1 1/2x3 1/2 inches. No. R-0610. List, 50c. Net, Each, 38c. In Lots of 35, **35¢** NET, Each.....

Type 231-W "C"

Four and one-half volt, 4 tap "C" Battery. Also furnishes grid control voltages for 201-A and 240 tubes or 1.5 and 1.2 equivalents. Has 1½, —3 and —4½ taps. Size, 4x1 1/2x3 1/2 inches. No. R-0664. List, 50c. NET, Each, 38c. In Lots of 35, **35¢** NET, Each.....

Type 5303 45 V. "B"



New 45 volt, 30 cell "B" battery designed for portable radio sets. Size, 4 1/2x3 1/2x7 1/2 inches. No. R-0665. List, \$2.50. NET, Each, \$1.88. In Lots of 6, NET, Each, **\$1.75**

Type 551-7½V. "C"

Seven and one-half volt, 5 cell "C" battery. Four terminals: 1½-3, —4½ and 7½ volts, with one terminal at +C. Size, including terminals: 4x3 1/2x7 1/2 in. No. R-0612. List, 75c. NET, Each, 56c. In Lots of 52, **52¢** NET, Each.....

Type 531-R-4½V. "C"

Four and one-half volt, 3 cell battery. Two main + and —4½. Size, 2 1/2x1 1/2x2 1/2 inches. No. R-0611. List, 40c. NET, Each, 28c. In Lots of 26, **26¢** NET, Each.....

Deduct 2% from All Rayovac Prices

Type 4151 22½ V.

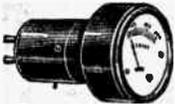
Fifteen cells, 22½ volts. For use in portable or cabinet sets where very small current is required and where space is limited. Size, including terminals: 3 1/2x2 1/2x7 1/2 in. Ship. wt., 7 lbs. One negative and one +22½ volt terminal. No. R-0602. List, \$1.25. NET, Each, 95c. In Lots of 10, NET, Each, **87¢**

Type 1211 "A"

A 1½ volt dry cell built especially for radio "A" circuits. Not an ordinary dry cell. These cells are built especially for radio and will keep their voltage above 0.9 volt—the radio end point for "A" batteries—longer than any type of 1.5 volt or General Purpose Cell. No. R-0613. List, 50c. NET, Each, 39¢. In Lots of 50, NET, Each, **34¢**

Long Life

Ray-O-Vac makers have developed a new and vastly superior type of construction which completely eliminates the old-type pitch top. This is the new "cell-pocket" construction—a separate insulated pocket for every cell. Every cell safe to do its allotted full lifetime of work. Longer life, lighter weight and better all-around performance are the result.



BEEDE Socket Test Meter

Tests accurately where tests should be made—directly on the tube contacts. Merely remove tube and insert meter. Checks losses, indicates faults in circuits.

No. R-2239. Type 50 Plate Voltage Meter, 0-300 Volts. For all AC or DC sets. List, \$3.00. Your NET Price..... **\$1.76**

No. R-2240. Type 60 AC Filament Meter for any AC tube, 0-7½ Volts. List, \$2.50. Your NET Price..... **\$1.47**

No. R-2241. Special Adapter for 5 Prong Detector Tube Socket. List, 90c. Your NET Price..... **53¢**

No. R-2256. Grid Bias Meter, 0-50 Volts. For checking "C" voltage. List, \$3.00. Your NET Price..... **\$1.76**

BEEDE AC Line Voltage Tester

Checks up line voltage for AC receivers when plugged into any electric light socket or receptacle.

No. R-2257. 0-150 Volts, Type 75. List, \$3.00. Your NET Price..... **\$1.76**



BEEDE Portable Tester for "B" Eliminators

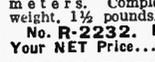
A high grade portable meter for testing and adjusting "B" eliminator voltage. Has negligible draw, therefore making reading very accurate. Fitted with two special leads of different color. Reading of scale 0-300. Shipping weight, 8 ounces. No. R-2242. List, \$3.00. Your NET Price..... **\$1.76**



BEEDE "B" Eliminator Tester

Consists of a voltmeter ranging from 0-300 volts, a milliammeter reading from 0-75 milliamperes and a compression type rheostat mounted on a mahogany finish block and provided with necessary terminals. Accurately indicates output of "B" eliminators. Also used for testing set loads and for general service. Guaranteed accurate high resistance type meters. Complete instructions. Shipping weight, 1½ pounds.

No. R-2232. List, \$12.00. Your NET Price..... **\$7.06**



JEWELL No. 77 AC Voltmeters

Multi-scale voltmeter for making various tests on AC tube sets. The new AC tubes are so easily paralyzed and require such delicate filament adjustment that only by the use of such a sensitive meter may faults be found when an AC set goes wrong. Also used for testing chargers, 0-3 and 0-15 are for filament tests and checking charger secondaries. 0-150 type for series-wired sets and primary checking. Wall, bench mounting or portable.

No. R-2223. 0-3-15-150 volts. List, \$15.00. Your NET Price..... **\$11.02**

No. R-2225. 0-150 volts. List, \$10.00. Your NET Price..... **\$7.35**

No. R-2288. 0-15-150 volts. List, \$10.50. Your NET Price..... **\$7.72**

We Can Furnish Any Jewell Meter—Write if Not Listed Here.



QUALITY METERS



Readrite Single Socket Testing Meters

Gives Plate, Filament, Grid voltages by plugging into tube socket.

No. R-2258. Plate—0-300, 54,000 ohms resistance. List, \$2.50. Your NET Price..... **\$1.47**

No. R-2259. Grid—0-50 Volts, 8,700 ohms resistance. List, \$3.00. Your NET Price..... **\$1.76**

No. R-2260. Filament AC—DC, 0-10 Volts. List, \$2.50. Your NET Price..... **\$1.47**

Readrite Plug-In Line Voltmeter

Shows line voltage in actual working condition for alternating or direct current. Tips fit standard electric receptacle. Range, 0-150 Volts.

No. R-2261. List, \$3.00. Your NET Price..... **\$1.76**



Readrite AC Panel Meters

Reliable in operation. Nickel finish case 2 1/4 in. overall diameter. Metal silvered dials.

No. R-2250 0-6 volts No. R-2252 0-15 volts
No. R-2251 0-10 volts List \$2.50. Your NET Price..... **\$1.47**

DC Panel Meters

No. R-2243. 0-8 Volts. List, \$1.00. Your NET Price..... **59¢**

No. R-2245. 0-100 Volts. List, \$1.25. Your NET Price..... **73¢**

No. R-2249. 0-8-100 Volts. List, \$1.75. Your NET Price..... **\$1.03**

Readrite Milliammeters

No. R-2247. 0-10 M.A. List, \$1.75. Your NET Price..... **\$1.03**

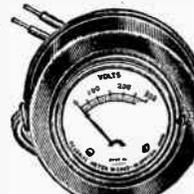
No. R-2248 0-25 M.A. No. R-2263 0-100 M.A. No. R-2262 0-50 M.A. List, \$1.00. Your NET Price..... **59¢**

Readrite Portable "B" Eliminator and AC Tester

A reliable "B" Eliminator and Portable AC Tester. Ideal for set builders, dealer service men and for private owners. Very high resistance and accurate to a laboratory degree. Quickly checks "B" power unit output or "B" Batteries.

No. R-2233. 0-300 Volts. List, \$5.00. Your NET Price..... **\$2.94**

No. R-2234. 0-500 Volts. List, \$6.00. Your NET Price..... **\$3.53**



JEWELL Radio Meters

Pattern No. 135

A well known 2-inch panel mounting DC instrument. Black scale on silver background. Shpg. wt., 2 lbs.

No. R-2264. 0-5 Volts. List, \$7.00. Your NET Price..... **\$4.46**

No. R-2265. 0-8 Volts. List, \$7.50. Your NET Price..... **\$4.78**

No. R-2266. 0-10 Volts. List, \$7.50. Your NET Price..... **\$5.41**

No. R-2267. 0-10 Milliamperes. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2268. 0-50 Milliamperes. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2269. 0-100 Milliamperes. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2270. 0-3 Amperes. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2271. 0-5 Amperes. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2272. 0-100 Volts. List, \$8.50. Your NET Price..... **\$5.73**

No. R-2273. 0-8-200 Volts. List, \$8.50. Your NET Price..... **\$5.73**

Pattern 135-B with Push Button No. R-2274. 0-7½-150 Volts. List, \$9.00. Your NET Price..... **\$5.73**



Pattern No. 190

A 2-in. flush type AC instrument. For alternating current control and line voltage checking.

No. R-2275. 0-1.5. List, \$7.50. Your NET Price..... **\$5.51**

No. R-2276. 0-0.5. List, \$7.50. Your NET Price..... **\$6.98**

No. R-2277. 0-15. List, \$9.50. Your NET Price..... **\$6.98**

No. R-2278. 0-150. List, \$9.50. Your NET Price..... **\$6.98**

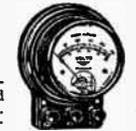
Pattern No. 116

B-Eliminator Tester

A high resistance voltmeter with an established reputation for reliability. Shows time voltage unobtainable with ordinary voltmeters.

No. R-2279. 0-50-250 Volts. List, \$25.00. Your NET Price..... **\$18.37**

No. R-2280. 0-250-500 Volts. List, \$32.00. Your NET Price..... **\$23.52**



Pattern No. 139 "B" Eliminator Tester

Small D'Arsonval type high resistance voltmeter. Can be depended on absolutely.

No. R-2281. 0-300 Volts. List, \$12.00. Your NET Price..... **\$7.64**

No. R-2282. 0-500 Volts. List, \$16.50. Your NET Price..... **\$10.51**

Pattern 74 AC Voltmeters

A 3-in. flush type instrument ideal for dealers' or experimenters' test panels for checking AC Sets.

No. R-2283. 0-3 Volts. List, \$7.50. Your NET Price..... **\$5.51**

No. R-2284. 0-15 Volts. List, \$7.50. Your NET Price..... **\$6.98**

No. R-2286. 0-150 Volts. List, \$9.50. Your NET Price..... **\$6.98**

No. R-2287. 0-3-15-150 Triple Range Volts. List, \$13.50. Your NET Price..... **\$9.92**



Tap and Die Set

Fine quality. Contains taps and dies to cut 4/32, 6/32, 8/32, 10/24 and 14/20. These sizes cover standard radio requirements. Set has 6 1/2 inch long stock and adjustable top wrench.

No. R-3163. List, \$8.00. Your NET Price..... **\$5.10**

YAXLEY
No. 440 Full Automatic
Power Control



Makes control of any battery operated set fully automatic. When Set is turned on, the "B" Elim. is cut in and charger cut out. When set is turned off, "B" Elim. is cut out and Charger is cut in. When battery becomes fully charged, the charger is automatically cut out. The battery cannot become over-charged. Works on any type charger and B power unit. Compact, handsome case. Requires no attention. The finest power control ever offered.

No. R-2558. List, \$7.50. **\$4.41**
Your NET Price.....

FULL AUTOMATIC
RADIO POWER CONTROL



A Junior Model A-B Relay for use with Trickle Chargers and "B" eliminator. Very compact. Switching of Trickle Charger and "B" Eliminator is automatically accomplished by simply turning the "on and off" switch on receiver. For use with sets using 6 volt tubes.

No. R-2552. Relay. List, \$3.50. Your NET Price..... **\$2.06**

SUPER AUTOMATIC
RADIO POWER CONTROL



Full Automatic A and B Eliminator Control is designed for use with an A supply which does not employ a storage battery in its construction. Its use is possible with A Eliminators which employ the electrolytic, or the dry crystal rectifiers, but cannot be used with A Eliminators employing bulb type rectifiers. It provides for the automatic switching of both the A Eliminator and B Eliminator by merely turning the radio receiver switch "ON" or "OFF."

No. R-2553. "A" and "B" Eliminator Control. List, \$7.50. Your NET Price..... **\$4.41**

Rubber Battery Mat

Protects rugs, floor, or furniture from possible injury. Acid proof. Takes largest battery. No. R-0933. List, \$1.00. **49¢**
Your NET Price.....

YAXLEY Cable Markers

Easily read markers, convenient to attach. Each marker snugly hugs the wire so that the wire may be drawn through small opening. Packed in boxes, each box containing set of sixteen markers as follows:

- | | | | |
|--------|--------|-------|------|
| A+ | B+AMP. | C- | A-O+ |
| A- | B+TR. | C-1/2 | A+B- |
| B- | B+PR. | C-9 | ANT |
| B+DET. | C+ | C-PR. | GRD. |

No. R-0922. List, 25¢ Per Set. Your NET Price..... **15¢**

NATIONAL BATTERIES
Shipped from Point Near You to Save You Express Charges



National "A" Batteries are widely known throughout the country for their rigid construction and 18 months' free repair service. Spread over the country are 5,000 service stations for rendering service if necessary. All batteries come in rubber cases equipped with rubber terminal nuts and bale handles and are shipped fully charged ready for use from points nearest you. This gives you excellent service and low transportation charges. Through this fortunate connection we are able to ship from the following points:

Chicago, New York, Baltimore, Atlanta, Boston, Cincinnati, Detroit, St. Louis, St. Paul and Dallas. Allow 25¢ extra for batteries to be shipped from Los Angeles, Oakland, Portland, Seattle and Spokane. These are actual sizes and are not overrated.

		Your NET				Your NET	
No.	Size	List	Price	No.	Size	List	Price
1R-0826	6 V 50 Amp.	\$ 9.95	\$ 5.85	1R-0629	6 V 125 Amp.	\$14.95	\$ 8.79
1R-0827	6 V 75 Amp.	11.45	6.84	1R-0630	6 V 150 Amp.	18.35	10.91
1R-0828	6 V 100 Amp.	12.95	7.62				

BEEDA Test-A-Bat.

A reliable storage battery tester. Designed to attach permanently to any storage battery and by simply pushing a button gives accurate reading of battery's condition. No corrosive lead terminals. Three-color dial. Shipping weight, 8 ounces.



No. R-0930. List \$1.75. Your NET Price..... **\$1.03**

Star Battery Testers



Tells accurately condition of your battery. Watch case size. Polished nickel with glass crystal. A thoroughly reliable tester. Carefully tested and inspected before leaving factory.

No.	Size	List	Price
No. R-0934.	0-50 Volts.....	\$1.00	49¢
No. R-0935.	Combination 0-50 Volts, 0-40 Amps.....	1.50	69¢
No. R-0936.	A-Battery Tester, 1-50 Amps.....	1.50	69¢
No. R-0937.	A meter, 0-35 Amps.....	95¢	46¢

Battery Adapter

For storage batteries with plain terminals. Very strong construction. A permanent job, without necessity of welding. No. R-0916. Silver Beauty Adapter. List, 30¢. Your NET Price..... **18¢**

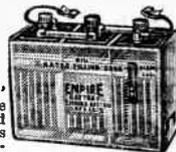
Universal Battery Clip

This clip may be used for connecting to storage batteries, eliminators, etc. Lead coated. Rust and corrosion proof. Coil springs assure positive contact. No. R-0921. "B" Battery Clip. **6¢**
List, 10¢. Your NET Price.....
No. R-0920. 25-Ampere Clip. **9¢**
List, 15¢. Your NET Price.....
No. R-0919. 50-Ampere Clip. **12¢**
List, 20¢. Your NET Price.....

Morris Safety Battery Clip

Has safety fuse carrier built in, fitted with removable fuse. Automatically protects receivers against accident from crossed wires. Uses standard 6 amp. auto lighting fuses. No. R-0938. List including fuse, 25¢. Your NET Price..... **15¢**

EMPIRE Glass Case Batteries



Empire Radio "A" Trickle Charge Storage Batteries are designed to withstand continuous charging with a minimum of solution loss through gassing. They have unusually long life and reliability in service.

Lead terminals make a firm contact with nothing to corrode and instantly renewable should they become damaged. Positive indicators of state of charge, permanent operating instructions placed in the jar and cover construction cannot leak. Superior to any similar product made.

No. 1R-0600. Empire Glass Battery, 4 Volts, 15 Amp. Hrs. **\$3.53**

List, \$6.00. Your NET Price.....
No. 1R-0601. Empire Glass Battery, 6 Volts, 35 Amp. Hrs. **\$5.29**

List, \$9.00. Your NET Price.....
Above batteries are shipped fully charged.

2 Piece Attachment Plug

Large standard size, 1 3/16 in. No. R-5900. List, 12¢. **5 1/2¢**
Your NET Price.....



3 Way Adapter

Pin Type Cube tap. Furnishes 3 outlets. Fits all standard receptacles. No. R-5901. List, 18¢. **10¢**
Your NET Price.....

Cord Extender

Supplies 3 tap outlets from the end of one cord. No. R-5902. List, 25¢. **13¢**
Your NET Price.....



Double Socket

Moulded composition. Beautiful design. No. R-5903. List, **23¢**
40¢. Your NET Price.....

Extension Cord Set

Brass key socket. Moulded two-piece plug. Silk covered quality cord. No. R-5904. 6 Foot. List, 80¢. Your **44¢**
NET Price.....
No. R-5905. 12 Foot. List, \$1.00. Your **54¢**
NET Price.....



3 Way Extension Cord Set

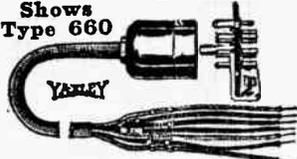
3 Outlets at end of silk covered cord; two piece plug. No. R-5906. 6 Foot. List, 75¢. **43¢**
Your NET Price.....
No. R-5907. 12 Foot. List, \$1.00. **53¢**
Your NET Price.....



YAXLEY

Cables and Plugs

Shows Type 660



Cannot possibly be put together incorrectly. Plug and base of Bakelite—no loosening of wires or springs. Contacts plainly marked with color code and markers.

Type 660—7 Conductors

No. R-2952. Complete with 5 ft. Cable and markers. Mounting plate mounts on sub-panel with or without bracket. List, \$3.00. Your NET Price..... **\$1.76**

Yaxley Type 669

With 2 Extra Phone Jacks

For Loud-Speaker Connections. No. R-2956. List, \$3.25. Your NET Price..... **\$1.91**

670 Binding Post Type

Consists of 7 conductors, receptacle plug and 5 ft. cable and a pin plug with 15 in. leads. No. R-2954. List, \$3.50. Your NET Price..... **\$2.06**

Type 627—12 Conductors

No. R-2966. Same as Type 670, except 12 conductors 4 ft. cable. List, \$6.00. Your NET Price..... **\$3.53**

Type 612—12 Conductors

No. R-2974. Same as Type No. 660, except 12 conductors, 4 ft. long. Six conductors, two pair twisted for A-C Leads are No. 14 wire. List, \$5.00. Your NET Price..... **\$2.94**

Yaxley Type No. 614

With 2 Extra Phone Jacks

No. R-2967. Otherwise, same as Type No. 612. List, \$3.25. Your NET Price..... **\$3.09**

Yaxley Cable Connector Parts

7 Conductor
No. R-2957. Type 645, Receptacle Plug. List, \$1.00. Your NET Price..... **59¢**
No. R-2961. Type 650, Receptacle Plug and 5 Ft. Cable. List, \$2.25. Your NET Price..... **1.32**
No. R-2955. Type 680, Mounting Plate. List, 75¢. Your NET Price..... **44¢**
No. R-2958. Type 635, Pin Plug. List, \$1.00. Your NET Price..... **59¢**

12 Conductor

No. R-2968. Type 615, Receptacle Plug. List, \$1.25. Your NET Price..... **73¢**
No. R-2969. Type 616, Receptacle Plug and 4 Ft. Cable. List, \$4.00. Your NET Price..... **2.35**
No. R-2969. Type 682, Mounting Plate. List, \$1.00. Your NET Price..... **59¢**
No. R-2990. Type 625, Pin Plug. List, \$1.25. Your NET Price..... **73¢**

Cables

No. R-2991. 12 Conductor, 4 Ft. List, \$2.25. Your NET Price..... **\$1.32**
No. R-2992. 7 Conductor, 5 Ft. List, \$1.00. Your NET Price..... **59¢**

TO PICK-UP THE VOLUME CONTROL



Radio-Phonograph Coupler

Insert adapter in detector socket, replace tube in this adapter and leave there permanently. Mount switch. Audio end of set is thus switched from receiver to phonograph instantly. One side of switch nameplate marked "Radio," the other "Phono." No changes in set—no interference with broadcast reception. Complete with cable. No. R-2575. List, \$2.75. Your NET Price..... **\$1.62**



SECURITY Soldering Iron

Set builders' handiest and most serviceable tool—compact, indispensable. Ideal for radio and light housework. Element of best nichrome wire in special recessed tip assures quick and perfect soldering heat. Fully guaranteed for 1 year. Excellent quality at low price. No. R-3109. List, \$1.75. Your NET Price..... **\$1.14**



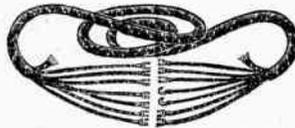
NORTHERN Soldering Iron

Exclusive in design. All parts easily accessible and replaced at very low cost. 1/2 in. hand forged copper tip. Equipped with detachable plug at handle. One of the finest soldering irons made. Shipping wt. 3 lbs. No. R-3110. List, \$3.50. Your NET Price..... **\$2.29**



Automatic Blow Torch

Self-blowing, strong blast pointed flame. Intense heat well over 1400 degrees Fahr. Made of brass, nickel plated, highly polished. Has ordinary ball wicking, easily rewickied by anyone. Size 5 1/2 x 2 1/2 in. Guaranteed leak-proof. Finest quality torch made. Shipping weight, 2 lbs. No. R-3112. List, \$1.00. Your NET Price..... **59¢**



CORWICO Battery Cable

A neat, compact harness for connecting batteries or power units to set. Stranded rubber covered wire insulated with cotton. Each conductor is a different color and is covered with mercerized braid. 4 1/2 ft. long.

No. R-0939. Five wire with terminals. Your NET Price..... **23¢**
No. R-0940. Six wire with terminals. Your NET Price..... **29¢**
No. R-0941. Seven wire with terminals. Your NET Price..... **35¢**

Silk Cables

No. R-0942. Style 225. Five Wire. Your NET Price..... **59¢**
No. R-0943. Style 235. Six Wire. Your NET Price..... **66¢**
No. R-0944. Style 245. Seven Wire. Your NET Price..... **72¢**

BELDEN Battery Cable

No.	Type	List	NET
R-0904.	4 1/2 Ft. 5 Cond.	\$ 0.45	30.26
R-0923.	4 1/2 Ft. 7 Cond.	.60	.33
R-0950.	4 1/2 Ft. 9 Cond.	.90	.53
R-0903.	100 Ft. 5 Cond.	8.00	4.70
R-0931.	100 Ft. 7 Cond.	11.00	6.47
R-0951.	100 Ft. 9 Cond.	15.00	8.82
R-0903.	Any length 5-Conductor, per Ft.	.10	.06
R-0931.	Any length 7-Conductor, per Ft.	.15	.09
R-0951.	Any length 9-Conductor, per Ft.	.19	.11

Battery Cable Connectors

For use in connecting all batteries with lugs to fit the binding posts or clips.

No.	List	NET
No. R-0945.	3 In.....	4c 2 1/2c
No. R-0946.	6 In.....	5c 3c
No. R-0947.	8 In.....	6c 3 1/2c
No. R-0948.	12 In.....	7c 4 1/2c

DURATRON

Soldering Iron

Not built down to a price. Perfect heating element for efficiency and long life. A marvel in iron for the price. Wide face for long joints. Fully guaranteed. No. R-3108. Soldering Iron. List, \$1.25. Your NET Price..... **79¢**



KESTER Rosin Core Solder

Hollow ribbon of genuine lead with a rosin core. No paste required. No fumes. Will not corrode. Finest made. No. R-3023. 1/2 Pound Can. List, 25¢. Your NET Price..... **17¢**
No. R-3038. 1 Pound Spool. List, \$1.00. Your NET Price..... **64¢**

JIM DANDY Automatic Blow Torch

New burner, prevents spitting. Oval shape, very compact. Strong blast for heavy duty up to 2000 degrees Fahr., which melts copper. Drip cup top, no boiling over. Cap locks on, no evaporation. Heavy oval handle secures cap. Wood handle stays cool. Made of heavy gauge brass, highly polished. Leakproof. Burns two hours with one filling. Size 7 x 4 1/2 x 1 1/2 in. Shipping weight, 1 1/2 pounds. No. R-3157. List, \$3.00. Your NET Price..... **\$1.77**



Solder-all

A combination of solder and flux in a paste form. The heat of a match and a little solderall and you have a perfect connection. No. R-3162. List, 25¢. Your NET Price..... **15¢**



"HAFNER" "Drip-Proof" Hydrometer

Will not drip acid and can be used in close quarters. A long 2 1/2 in. flexible rubber tubing permits reaching into the battery without moving it, no matter how inaccessible. Best of all, the glass jar is sealed on the bottom and no acid can drip on clothing, rugs or floor. No. R-0912. "Drip-Proof" Hydrometer. List, \$1.00. Your NET Price..... **59¢**



Sink-or-Swim Hydrometers

If all three balls swim, the cell is fully charged. If one (the white) ball sinks and the other two swim, the cell is well charged. If two (the white and green) balls sink and one (the red) ball swims, the cell is half charged. If three balls sink, the cell is discharged. No. R-0915. Hydrometer. List, 75¢. Your NET Price..... **44¢**



Correct readings assured. High grade, hard, acid resisting rubber nozzle. Plain float. Packed in individual carton. No. R-0949. List, 50¢. Your NET Price..... **23¢**

4-in-One Screw Driver

Four insulated screw drivers nesting in one another. Longest is 6 1/4 in., smallest 1 1/4 in. Fit all radio needs. Dielectric handle. No. R-3164. List, 85¢. Your NET Price..... **45¢**



LIFE-TIME DX AERIAL

Guaranteed Double Volume and Sharper Tuning

Now a Cage Aerial for Home Reception

Broadcasting type for home reception. A five-wire tapered cage with finest quality enameled aerial wire. Spread by heavy zinc discs to which all wires are firmly soldered. Fitted with insulators and a good quality lightning arrester. Gives marked increase in power to all sets requiring outside antenna, adding distance possibilities and improving local reception.

- No. R-1264. 30 Feet Long. List, \$10.00. **\$5.88**
Your NET Price.....
- No. R-1265. 60 Feet Long. List, \$12.50. **7.35**
Your NET Price.....



MUTER

Antenna Plug

Replaces outside aerial on any set. Screws into socket of baseboard same as any electric light bulb but does not consume any current. Made of highly polished black moulded Bakelite. Packed in individual boxes with full instructions for use.

- No. R-1219. List, 75c. Your NET Price... **44c**

Dublier Ducon Light Socket Aerial



Simply screw into light socket and the power lines act as a powerful aerial. Thousands in use throughout the world for many years. Equipped with the well known Dublier condensers which insure highest quality lasting life and freedom from burnout and danger. O. K.'d by the Underwriters. Absolutely safe. Cannot damage the set or tubes in any way.

- No. R-1255. List, \$1.50. Your NET Price... **88c**

Electrad Light Socket Antenna

All Bakelite

Every outlet an aerial. Consumes no current—absolutely safe. Every one tested.

- No. R-1236. List, \$1.00. Your NET Price... **59c**



TOBE 4-Purpose Light Socket Aerial

Saves cost and bother of aerial and lightning arrester or ground while permitting use of electrical outlet. Minimizes static, sharpens tuning, and improves tone quality.

- No. R-1263. List, \$2.00. Your NET Price... **\$1.18**



Variall

An excellent Interference Eliminator and Static Reducer. Made of genuine black moulded Bakelite. 3/4 in. in diameter. Easily and quickly attached.

- No. R-1217. List, \$2.00. Your NET Price... **\$1.18**



Clarostat Antenna Plug

Makes any outlet an aerial. Improves reception in whether used alone or as a "booster" with usual antenna or loop. Easy to install—use anywhere. A cure for "Dead Spots" and "Shadows." No lightning risks! Complete with long cord.

- No. R-1266. List, \$1.50. Your NET Price... **88c**

ELECTRAD Lead-In

Built to Electrad's quality. Standard copper strip heavily tinned to prevent corrosion. Bends any shape to fit under locked windows. Extra water-proofed.

- No. R-1235. Electrad Lead-in. List, 25c. Your NET Price... **15c**

Leader Lead-In Strip

To be used under window in bringing "Lead-in" into the house, allowing window to be closed. Clips on each end. Well insulated.

- No. R-1221. Lead-In Strip. List, 20c. Your NET Price... **12c**



Ekko Ground Clamp

The hardened steel points of the Ekko Clamp bite through paint, rust, dirt, and corrosion. Their positive contact insures a free flow of current and full signal strength. Fits any pipe 1/4 in. to 1 1/2 in. diameter.

- No. R-1211. Ekko Ground Clamp. List, 25c. Your NET Price... **15c**

Noc-Out Ground Clamp

Quick in application. Dependable in service. A perfect electrical contact by means of sharply pointed screw. Grips the complete circumference of pipe. For pipes 1/2 to 2 in. diameter.

- No. R-1237. Noc-Out Ground Clamp, steel. List, 15c. Your NET Price... **9c**
- No. R-1238. Noc-Out Clamp, copper. List, 20c. Your NET Price... **12c**

Lightning Arresters



Belden

Air-Gap Type. A thoroughly sturdy and reliable protector designed for installation either inside or out-of-doors. Body of heavy porcelain. Approved by National Board of Fire Underwriters.

- No. R-1223. Belden Lightning Arrester. List, 70c. Your NET Price... **41c**

JEWELL

Approved by the Fire Underwriters. Beautiful brown porcelain case. Easily mounted.

- No. R-1212. Jewell Lightning Arrester. List 75c. Your NET Price... **44c**



MUTER Guardian

For those who want the best in a lightning arrester. Large brown porcelain waterproof barrel 4 1/2 in. long. Cleanable carbon brushes.

- No. R-1267. List 75c. Your NET Price... **44c**

MUTER

Air-Gap Type. Suitable for use indoors or out.

- No. R-1216. Muter Lightning Arrester. List 35c. Your NET Price... **21c**

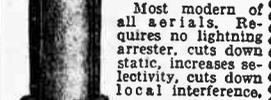


Brach Storm King Arrester

Made of bakelite. Non air-gap principle. Covered with \$100.00 insurance policy against lightning striking your radio set. For indoor installation. One of the finest arresters made. Shipping weight, 1 lb.

- No. R-1260. List \$1.00. Your NET Price... **59c**

Radio Lite-Tenna



Most modern of all aerials. Requires no lightning arrester, cuts down static, increases selectivity, cuts down local interference.

- Also provides pleasing light for reading. Old gold finish beautifully shaded. Amber shade.
- No. R-1261. List \$7.50. Your NET Price... **\$4.41**

Centralab

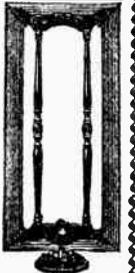
Station Selector



A compact unit designed to change the resonance of the antenna circuit. Minimizes the interference of powerful nearby stations, particularly in the low wave length band. A switch is provided so that it may be cut in or out of the circuit at will. Used only with sets which do not operate from a loop. Very easy to attach. It is connected permanently between the antenna lead-in and the antenna binding post of the receiver.

- No. R-1210. Centralab Station Selector. List \$1.00. Your NET Price... **59c**

Bodine De Luxe Loops



The winding of stranded copper wire is covered with lustrous brown silk braid and mounted on bakelite spreaders. The signal pick-up compares very favorably with larger loops. Directional characteristics very pronounced. Dimensions: 23 in. high by 12 in. wide. Both models equipped with center tap.

- No. R-1307. Bodine Loop for .0005 Condenser. List \$12.00. Your NET Price... **\$7.06**
- No. R-1308. Bodine Loop for .00035 Condenser. List \$12.00. Your NET Price... **\$7.06**

"Super Ball" Antenna

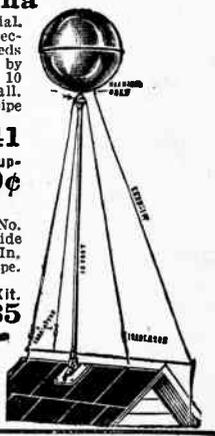
A most efficient and attractive aerial. An ornament to any house. Non-directional, receives all wave lengths. Sheds ice and snow in winter. Not affected by heat in summer. Diameter of ball, 10 inches. Special condenser built into ball. Uses standard 1/2-inch iron pipe. No pipe is included in price given.

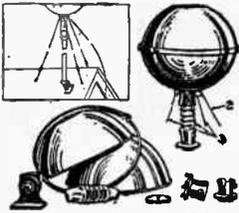
- No. R-1250. List, \$7.50. Your NET Price... **\$4.41**
- No. R-1251. Base to hold pipe support to roof. List, 50c. Your NET Price... **29c**

S-B Accessory Kit

Consists of 50 feet rubber covered No. 14 lead-in wire, 50 feet Copper Guide Wire, Ground Clamp, Brach Lead-in, Nail Knobs, Screw Eyes and 10 Feet Pipe. Shipping wt., 18 lbs.

- No. R-1251. Complete Accessory Kit. List, \$4.00. Your NET Price... **\$2.35**





Morris Ball Aerial Kit

The new idea in Ball Type Aerials. Much easier to install and sightlier than wire aerial. Non-directional. Polished aluminum ball, stays bright under all weather conditions. Kit consists of:
 All aluminum ball, 10 inches in diameter.
 Band for joining halves of ball.
 Adjustable Roof Bracket.
 Glass Insulator.
 2 complete Insulator Sockets.
 Washer for inside ball.
 Lead-in wire, 2 guy wires, screws and bolts.
No. 2R-1269. List per Kit, \$5.00. Your NET, \$2.94
 Price

Effarsee Antenna Ideal All-Year Indoor Aerial



Covering in a 19-color lithograph in rich blendings—a reproduction of famous paintings. Looks like a magnificent tapestry. Takes place of outdoor antenna. Said to eliminate most of the static in reception. No lightning hazard. Waterproof. Works on any set requiring antenna. Size, 4 ft. wide, 7 ft. long. Shipping wt., 5 lbs.
No. 2R-1247. List, \$5.59
No. 2R-1248. Small Size, 3x6 feet, plain (without picture). List, \$2.50.
Your NET Price..... \$1.47

"Echo" Tape Indoor Aerial

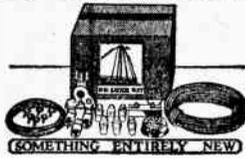


Flexible metallic ribbon made especially for indoor reception. Extremely neat appearing, easily placed and highly efficient.
No. R-1281. 50 ft. roll. List 50c.
Your NET Price..... 29¢
No. R-1280. 100 ft. roll. List, 90c.
Your NET Price..... 53¢



Belden Indoor Aerial Kit

An ideal assortment. The neutral brown braid of flexible wire hides easily around a window frame or on moulding. Consists of 70 ft. Belden Indoor Aerial Wire. Ground clamp. 25 ft. Belden Flexible Colorubber Ground Wire.
 Complete Instruction Sheet.
No. R-1270. List, \$1.80 per Kit. Your NET \$1.06
 Price



New-Way Umbrella Aerial Kit

A De Luxe Kit that is complete in every detail. Consists of:
 1 New-Way Insulator
 100 Ft. 7 x 22 Copper Wire
 50 Ft. No. 14 Rubber Covered Lead-In Wire
 1 Aluminum Roof Base
 1 Approved Lightning Arrester
 1 Ground Clamp
 6 Porcelain Insulators
 3 Porcelain Nail Knobs
 6 Screw Eyes
 4 Roof Base Screws.
No. R-1271. List, \$5.00.
Your NET \$2.94
 Price



Beldenamel Aerial Kits

Are R. M. A. Standard. Very complete. Do not deteriorate with service. Contents:
 100 Ft. 7 x 22 Beldenamel Aerial Wire
 25 Ft. Flexible Colorubber Ground Wire
 50 ft. 7 x 22 R. C. Lead-In Wire
 1 Belden Lightning Arrester
 1 15-inch Belden Lead-In Strip
 1 Heavy Ground Clamp
 2 3-inch Belden Glass Insulators
 3 Nail-On Knobs
 2 Galvanized Screw Eyes
 2 Wood Screws
 6 Two Point Staples
 Complete Instruction Sheet.
No. R-1272. List per Kit, \$5.25. Your NET \$3.09
 Price

Beldenamel Junior Aerial Kit

Consists of:
 75 Ft. 7 x 22 Beldenamel Aerial Wire
 35 Ft. R. C. Lead-In and Ground Wire
 1 Belden Lightning Arrester
 1 15-inch Belden Lead-In Strip
 1 Heavy Ground Clamp
 2 3-inch Belden Glass Insulators
 2 Nail-On Knobs
 2 Galvanized Screw Eyes
 Complete Instruction Sheets.
No. R-1273. List, \$3.60 per Kit. Your NET \$2.12
 Price



Marco Antenna Tape

For indoor and outdoor installations. Very efficient. A big seller.
 Equivalent to 400 ft. single strand.
No. R-1214. Marco Tape Aerial. List, 60c.
Your NET Price..... 35¢

New Improved SUBANTENNA

Recent press reports state that the U. S. Bureau of Standards, in reporting results of recent experiments, claims that the underground antenna tends to reduce static and give clearer, louder reception; also, that only 2% of outside or overhead aerials are really efficient. This is an unbiased report, and is revolutionary in the antenna field.

The SUBANTENNA replaces old style, noisy overhead aerials and places the antenna out of sight, underground. Reduces static, improves clarity on local or distance, increasing the daylight range. Eliminates lightning risk, never needs attention. Can be installed in a few minutes and can be put in basements also. Provides maximum antenna efficiency. An exceptional value at new reduced price—thousands sold at \$12.50.

No. 2R-1254. Model G. Subantenna for all Radio and Television Receivers. List, \$7.50.
Your NET Price..... \$4.41



Loops DeLuxe Model



Maintains all the efficiency of the standard Quali-Tone Loop. In addition, the appearance and woodwork has been improved to meet the taste of the most exacting. Turned wood of the pleasing period design that harmonizes with the finest surroundings is employed. Provision for tightening wires is maintained. For .0005 Condenser. Dimensions: 20x11x 3 1/2 inches.

No. R-1306. Quali-Tone DeLuxe Loop. List, \$12.50.
Your NET \$7.35
 Price

No. R-1304. Quali-Tone Standard Loop. List, \$10.00.
Your NET \$5.88
 Price.....

Paragon Radio Ground

Used as a ground antenna or as a super-ground. Has copper welded solid wall cone—no solder—no mechanical connections—no destructive electrolysis possible. Interior filled with pure grain charcoal which absorbs and holds moisture. This insures good earth connection at all times with lowest resistance. 20 feet of heavy enameled wire is spot welded to the ground, making a direct connection to set. 12 inches long, 4 inches wide at base. Shipping weight, 15 pounds.

No. R-1253. List, \$5.50.
Your NET \$3.23
 Price



Morris Ground Clamp



Hard, sharp teeth on steel frame, bite through rust, paint, etc.
No. R-1274. For pipe up to 3/4 inch. List, 15c.
Your NET Price..... 9¢
No. R-1275. For pipe up to 1 1/2 inches. List, 25c.
Your NET Price..... 15¢

Corwico Aerial Kits

Contains: **DeLuxe Kit**
 100 ft. Coil 7/22 Enamel Aerial Wire
 50 ft. Weather-Proof Lead-In Wire
 1 Quality Lightning Arrester
 2 Glass Insulators
No. R-1276. List, \$4.50.
Your NET Price..... \$2.65

Quality Kit
 100 ft. Coil 7/24 Copper Aerial Wire
 40 ft. Lead-In Wire
 1 Quality Lightning Arrester
 2 Porcelain Insulators
 1 Window Lead-In Strip
 1 Quick Adjusting Ground Clamp
 3 Porcelain Nail Knobs
 2 Screw Eyes
 25 ft. No. 18 Rubber Covered Hook-Up Wire
No. R-1277. List, \$3.00.
Your NET \$1.76
 Price

Standard Kit
 100 ft. Coil 7/22 Copper Aerial Wire
 40 ft. Lead-In Wire
 1 Approved Lightning Arrester
 2 Porcelain Insulators
 1 Window Lead-In Strip
 1 Quick Adjusting Ground Clamp
 3 Porcelain Nail Knobs
 2 Screw Eyes
 25 ft. No. 18 Rubber Covered Hook-Up Wire
No. R-1278. List, \$2.50.
Your NET \$1.47
 Price.....



Leader Kit
 100 ft. Coil Special Seven Strand Aerial Wire
 25 ft. Lead-In Wire
 1 Approved Lightning Arrester
 2 Porcelain Insulators
 1 Window Lead-In Strip
 1 Quick Adjusting Ground Clamp
 2 Porcelain Nail Knobs
 2 Screw Eyes
 25 ft. Hook-Up Wire
No. R-1224. List, \$1.75.
Your NET \$1.03
 Price.....

Silver-Marshall Plug-In Coils



S-M Plug-In Coils have attained a justly deserved position of leadership. Due to their extremely low-loss design, they will make any receiver operate at greater efficiency. Specified in many popular circuits. Space wound on ribbed bakelite tubing. All types are for use with .00035

m.f. condensers and all fit S-M 515 Coil Socket.

Type A—190-550 Meters
 No. R-1638. 116A. No. R-1651. 116A.
 No. R-1642. 111A. No. R-1659. 118A.
 No. R-1647. 114A. No. R-1660. 119A.
 No. R-1648. 115A. No. R-1677. 114SG.
 For S-M Short-Wave Type Plug-In Coils.

Type B—70-200 Meters
 No. R-1639. 110B. No. R-1690. 114B.
 No. R-1643. 111B.

Type C—30-75 Meters
 No. R-1640. 110C. No. R-1644. 111C.
 List, \$2.50.
 Your NET Price..... **\$1.47**

Type D—500-1500 Meters
 No. R-1641. 110D. No. R-1649. 115D.
 No. R-1645. 111D. No. R-1652. 116D.
 No. R-1692. 114D.

Type E—1,100-3,000 Meters
 No. R-1688. 110E. No. R-1650. 115E.
 No. R-1689. 111E. No. R-1653. 116E.
 No. R-1693. 114E.
 List, \$5.00.
 Your NET Price..... **\$2.94**

No. R-16114. Type 113—Unwound Coil Form. List, \$1.75.
 Your NET Price..... **\$1.03**

No. R-2410. Universal Coil Socket. Takes any of above coils. List \$1.00.
 Your NET Price..... **59¢**

See Short Wave Kits, p. 52.



Plug-In Short Wave Coil Kit

These plugging coils were designed to plug into ordinary 5 prong sockets and make perfect contact. Dimensions are small, 1 1/4 inches in diameter and 2 1/4 inches high. Losses have been kept down by winding on a ribbed form of genuine Bakelite. Large capacity, long leads and spread out sets are eliminated by using these coils and they are small enough that shielded stages may be used. Each coil is fitted with a different colored Bakelite pull-out ring which makes quick and easy identification of the different wave lengths.

No. R-16200. Set of 5 Coils. **\$5.00**
 List, \$8.50. Your NET Price.....



New S-M Midget Plug-In Coils

On moulded bakelite forms. Fit any 5-prong socket. Compact, uniform, efficient. Winding space 1 1/2 in. long, by 1 1/2 in. diameter. Type 131 use .00014 m.f. condensers. Type 132 use .00035 Condenser.

No. R-	Type	Range, Meters
R-16101	131U	17.4-32.1
R-16102	131U	31-58
R-16103	131V	57-110
R-16104	131W	104-204
R-16105	132A	190-550

List, each, \$1.25. **73¢**
 Your NET Price.....
 No. R-16106 132D 240-1,000
 List, each, \$2.00. **\$1.18**
 Your NET Price.....

Midget Coil Forms
 No. R-4699. 130P Unwound Smooth.
 No. R-16100. 130T Unwound with 98 1/2 threads.
 List, each, 65c. **38¢**
 Your NET Price.....

New S-M Universal Coil. Type 140



Universal in application. Can be used as an antenna coupler, R. F. transformer, regenerator coil or for any other purpose. The manufacturer claims that its R. F. resistance is almost 50% less than any other coil on the market. One of these coils with a good condenser provides as much actual selectivity as 3 ordinary coils and condensers in the average ready made set. Windings are 80 turns No. 25 Enamel Wire, one 20 turn and one 35 turn inner winding. Range 190-550 meters with .00035 m.f. condenser. Diameter, 2 3/4 in. Length, 3 1/4 in.
 No. R-16107. List, \$3.00. **\$1.76**
 Your NET Price.....



S-M Choke Coils

Keep R. F. currents from straying. Bakelite case. Two soldering lugs. One hole mount.
 No. R-1667. Type 275. For work up to 200 meters. List, 90c. **53¢**
 Your NET Price.....
 No. R-1668. Type 276. For long wave work. List, \$1.00. **59¢**
 Your NET Price.....

Space Wound Plug-In Coils

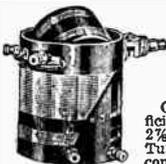
Superior results follow with these coils, no matter what circuit you build or redesign. No. 28 enamel wire wound on 1 1/4 in. genuine bakelite tubing. Completely covered range of 200 to 550 meters with .00035 mfd. condenser. Use in any tube socket, using tube contact as coil connection.



No. R-16121. Plug-In Coils. Set of 3. List, \$3.00. Your **\$1.76**
 NET Price.....

Midget Solenoid Coil

This coil is the latest designed radio frequency transformer wound on 1 1/4 in. formalite tubing, machine spaced No. 28 enamel wire. It is truly a coil of precision standards. This coil is furnished complete with mounting bracket. To be tuned with a .00035 mfd., 17 plate condenser, wave length range 200 to 550 meters.
 No. R-16122. Baby Solenoid Coils. Set of 3. List, \$1.50. **88¢**
 Your NET Price.....



Slotted 3-Circuit Tuner Baby Size

Compact without sacrificing efficiency. Length, 2 1/2 in. Diameter, 2 1/2 in. Tuned with a .0005 mfd. condenser. Range, 200-550 meters.

No. R-16115. Three Circuit Tuner. List, \$1.75. **\$1.03**
 Your NET Price.....
 No. R-16116. R. F. Coil to match above. List, \$1.00. **59¢**
 Your NET Price.....



180° Formalite 3-Circuit Tuner

Designed to latest engineering standards. Wound on 3 1/2 in. slotted Formalite tubing to reduce field dielectric. Multi-colored wire and nicked brass are used. Unusually handsome.

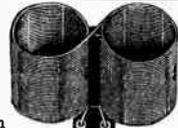
No. R-16119. 180° Formalite 3 Circuit Tuner. List, \$1.75. **\$1.03**
 Your NET Price.....
 No. R-16120. R. F. Coil to match above. List, \$1.25. **73¢**
 Your NET Price.....

BENJAMIN

Lekless Coils

This transformer can be used in any type of tuned radio frequency circuit. Will work satisfactorily with any high grade .00035 mfd. condenser, will give a wide tuning range with great volume and clarity. Uniform high inductance, low distributed capacity and low resistance.

No. R-1613. Benjamin "Lekless" Tuned R. F. Transformer. List, \$2.50. **\$1.47**
 Your NET Price.....



Enamelled 3-Circuit Tuner Baby Size

Wound on special treated formalite tubing 2 1/2 in. in diameter, 2 1/2 in. long. Use with .00035 mfd. condensers. Range, 200-550 meters.

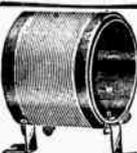
No. R-16117. Baby 3-Circuit Tuner. List, \$1.50. **88¢**
 Your NET Price.....
 No. R-16118. R. F. Coil to match above. List, 75c. **44¢**
 Your NET Price.....



Aero 3-Circuit Tuner

The Aero Coil in this form is one of the most efficient tuners ever designed. The famous low-loss quality of Aero-Coils is used to maximum effectiveness in this type of circuit. Uses .00035 mfd. condenser.

No. R-1605. List, \$4.00. **\$2.35**
 Your NET Price.....



Set of 3 R. F. Solenoid Coils

In this set of neutrodyne coils we have three of the best radio frequency coils ever offered to the public. Green silk wire on highly polished black formalite tubing 3 in. in diameter and 2 1/2 in. long. To be tuned with a .00035 mfd. condenser. Wave length range, 200 to 550 meters.

No. R-16123. Formalite R. F. Coils (3 to Set). List, \$5.00. **\$2.94**
 Your NET Price.....



Aero 4 Coil Kits

For 6 or 7 tube Aero Kits or any receiver with 3 stages tuned R. F. All coils matched twice. For use with 199, 201, 112, 240, 225, 227, and new shield grid tubes. Tune from 200-500 meters. Absolute low-loss design improves selectivity, tone and range.

Kit No. U-233

Four Universal coils suitable for ant. and interstage R. F. Couplers. For all 3 stage T. R. F. circuits with A-C or D-C tubes.
No. R-16125. Kit U-233, uses .00035 Condensers.
No. R-16126. Kit U-230, uses .0005 Condensers.
List, each complete kit, \$15.00. **\$8.82**
Your NET Price.....

Kit No. U-163

Four coils: Ant. with variable primary and 3 R. F. Transformers, otherwise like U-243 Kit.
No. R-4610. Kit U-163, uses .00035 mfd. Condensers.
No. R-4609. Kit U-16, uses .0005 Condensers.
List, each kit, \$15.00. **\$8.82**
Your NET Price.....

Aero 2 Coil Kits

R. B. 8

For Betts type circuits where part of secondary on R. F. transformer is used for plate coupling and tickler. Special tapped antenna for Rice neutralization system. Use .00035 mfd. condensers.



No. R-16127. Kit R. B. 8. **\$4.70**
List, \$8.00. Your NET Price.....

Kit No. U-263

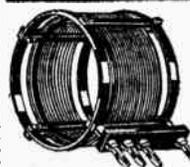
Two R. F. Coils. Use when 1 shield grid tube is used together with a regenerative detector.
No. R-16128. Kit U-263, uses .00035 Condensers.
No. R-16129. Kit U-260, uses .0005 Condensers.
List, each complete kit, \$8.00. **\$4.70**
Your NET Price.....

Kit No. U-273

Two R. F. Coils for sets with 1 stage balanced T. R. F. and a regenerative detector. With 199, 201 and 112 tubes or 226 and 227 A-C tubes.
No. R-16130. Kit U-273, uses .00035 mfd. Condensers.
No. R-16131. Kit U-270, uses .0005 mfd. Condensers.
List, each complete kit, \$10.00. **\$5.88**
Your NET Price.....

Kit No. U-953

Similar to Kit U-273 except for somewhat lower energy transfer and greater selectivity.
No. R-4614. Kit U-953, uses .00035 mfd. Condenser.
No. R-4613. Kit U-95, uses .0005 mfd. Condenser.
List, each complete kit, \$8.00. **\$4.70**
Your NET Price.....



Aero Plug-In Coils

Use either with Aero Short Wave Coils or, providing an LWT or 100W base is used, for a receiver which can later be converted into a short wave set by simply purchasing Aero Short Wave Coils. Uses a .00015 variable condenser.

No. R-1607. Coil 4 (Range 125 to 275 Meters).
No. R-1608. Coil 5 (Range 250 to 550 Meters).
List, each, \$4.00. **\$2.35**
Your NET Price.....

AERO COIL INDUCTANCES

Universal Coils

R. F. Transformers

Coil No. U-43

Low distributed capacity and maximum inductance. Tapped primary permits variable coupling and proper balance with all tubes except shield grid type.



No. R-4612. Coil U-43, uses .00035 Condenser.
No. R-4611. Coil U-4, uses .0005 Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Coil No. U-53

For all tubes as antenna or R. F. transformer, but especially for shield grid type. Terminals for any degree of coupling or adjusting.

No. R-16132. Coil U-53, uses .00035 Condenser.
No. R-16133. Coil U-5, uses .0005 Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Coil No. U-63

Coupler between all tubes except shield grid type and a regenerative detector.

No. R-16134. Coil U-63, uses .00035 mfd. Condenser.
No. R-16135. Coil U-6, uses .0005 mfd. Condenser.
List, each, \$6.00. **\$3.53**
Your NET Price.....

Coil No. U-73

Coupler shield grid tubes to a regenerative detector. Tickler is variable.

No. R-16136. Coil U-73, uses .00035 mfd. Condenser.
No. R-16137. Coil U-7, uses .0005 mfd. Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Antenna Couplers

Coil No. 963



Efficient low-loss antenna coupler with variable primary.
No. R-4617. Coil U-963, uses .00035 mfd. Condenser.
No. R-4618. Coil U-96, uses .0005 mfd. Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Coil No. U-923

Antenna with primary wound in center and second tap secondary for Rice neutralization circuits.

No. R-16138. Coil U-923, uses .00035 mfd. Condenser.
No. R-16139. Coil U-92, uses .0005 mfd. Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Oscillator Coils

Coil No. U-1053

A coil with a variable pick-up. Increases the selectivity of most superheterodynes.

No. R-16140. Coil U-1053, uses .00035 mfd. Condenser.
No. R-16141. Coil U-105, uses .0005 mfd. Condenser.
List, each, \$4.00. **\$2.35**
Your NET Price.....

Aero Sub-Panel Brackets



Built of aluminum, these sturdy sub-panel brackets will improve your set considerably in mechanical strength, making little addition in weight.

No. R-2780. Aero PB75. **41¢**
List, 70¢. Your NET Price.....

Aero 3-Coil Kits



Kit No. U-203

For any set using 2 stages T. R. F. With all A-C or D-C tubes. All coils matched twice.

No. R-16142. Kit U-203, uses .00035 mfd. Condenser.
No. R-16143. Kit U-200, uses .0005 mfd. Condenser.
List, each kit, \$12.00. **\$7.06**
Your NET Price.....

Kit No. U-123

For standard T. R. F. circuits. With 199, 201, 112, 240 and all A-C tubes but not for any shield grid type tube.

No. R-4608. Kit U-123, uses .00035 mfd. Condenser.
No. R-4607. Kit U-12, uses .0005 mfd. Condenser.
List, each kit, \$12.00. **\$7.06**
Your NET Price.....

Kit No. U-1203

Same as Kit U-123 except Antenna coil has variable primary.

No. R-16144. Kit U-1203, uses .00035 mfd. Condensers.
No. R-16145. Kit U-120, uses .0005 mfd. Condensers.
List, each kit, \$12.00. **\$7.06**
Your NET Price.....

Aero No-skip Choke Coils



No. C-60

For Short Wave Reception. An R. F. choke which will maintain the input conductance of the detector tube at the proper value. Tuning range from 13 to 550 meters.

No. R-4658. Choke Coil C-60. **88¢**
List, \$1.50. Your NET Price.....

Choke Coil No. C-65

Where a comparatively low impedance choke is to be used in circuits having an appreciable shunt capacity, this choke coil will fill the need exactly. Tuning range from 18 to 600 meters.

No. R-16111. Choke Coil C-65. **88¢**
List, \$1.50. Your NET Price.....

Antenna Adapters No. AA-17

An aperiodic antenna where rough tuning of ant. input circuit is feasible. A .00005 mid-gate condenser from grid to filament can be varied to give about double signal strength.

No. R-16146. Aero AA-17. **\$1.03**
List, \$1.75. Your NET Price.....

No. AA-18

For circuits where AA-17 could be employed except that primary and secondary windings should be separate, such as in an inter-tube transformer.

No. R-16147. Aero AA-18. **\$1.03**
List, \$1.75. Your NET Price.....

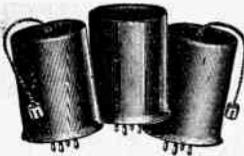
Aero Audio Transformer



A type of construction heretofore limited to transformers used in line amplifiers of broadcasting stations. Now available to the public for the first time. These transformers are a very superior product and will positively give excellent results.

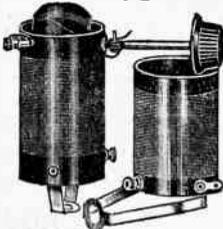
No. R-17129. Type AE-770. **\$3.53**
List, \$6.00. Your NET Price.....

Shielded Grid Tube Coil Kit



Tuned radio frequency impedance units of plug-in type. Completely shielded in aluminum cans. Black finish. Size, 3 1/4 in. high, 2 1/2 in. diameter. Set consists of: one antenna coupling unit, second stage unit and detector stage unit and fixed regeneration coil. Wire connectors have caps for fitting to shield grid tubes. For A-C or D-C Sets.
No. R-16148. Set of 3 Coils. **\$7.35**
List, \$12.50. Your NET Price.....

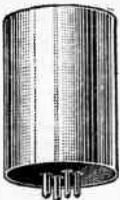
Browning-Drake Type Coils



New 2-inch space wound type. Special brackets to mount directly on extended condenser shaft. Size: Antenna Coil, 2x3 1/2 in. detector unit, 2x3 1/2 in. For A-C or D-C sets. Diagram and parts list included for circuit.

No. R-16149. Complete. **\$3.23**
List, \$5.50. Your NET Price.....

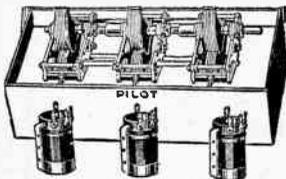
Shielded R. F. Coils



Plug-in type. Set of 3 perfectly matched. Completely shielded—no feed back or interstage coupling. Size of each unit, 2 1/2 in. diameter, 3 3/4 in. high.

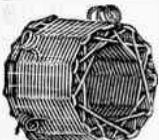
No. R-16150. Set of 3 Matched Coils. List, \$6.00. Your NET **\$3.53**
Price.....

Matched T. R. F. Kits



Tuned R. F. Essential Kits for the Set Builder who must have carefully matched coils and condensers around which to build sets of his own design. The 1-Dial Kit comprises Triple Gang Condenser and Three Midget type matched coils (enameled wire on 1 1/4-inch Bakelite tubing). The 2-Dial Kit consists of one double and one single condenser and three Midget coils. The 3-Dial Kit consists of three .00035 mfd. condensers and three Midget coils.

	List	NET
No. R-36100. 1-Dial Kit	\$12.00	\$7.06
No. R-36101. 2-Dial Kit	10.50	6.17
No. R-36102. 3-Dial Kit	8.50	5.00



Baby Low-Sloss R. F. Coils

Made on special automatic winding machinery, which insures precision. Air-core. Fibre insert for mounting. Diameter, 2 in. Range, 200-550 meters with .00035 mfd. condensers.

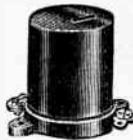
No. R-16124. List, set of three, \$2.00. Your NET **\$1.18**
Price.....

Dubilier Duratran

Recognized quality iron core radio frequency transformer. Wave-length range, 225 to 550 meters. Bakelite case. Marked binding posts.



No. R-16171. List, \$4.00. **\$2.35**
Your NET Price.....



Hammarlund Choke Coil

Widely recognized as a choke of the finest quality. Current carrying capacity, each model, 60 milliamperes. Bakelite case.

No. R-4623. Inductance, 85 Mh.; capacity, 3 mfmfd. D-C Resistance, 215 ohms. **\$1.18**
List, \$2.00. Your NET Price.....

No. R-4624. Inductance, 250 mh.; capacity, 2 mfmfd. D-C Resistance, 420 ohms. List, \$2.25. **\$1.32**
Your NET Price.....

Samson Choke Coils

Helicically wound choke coils in rugged bakelite cases with lugs and mounting.

No.	R. F. Choke	Henry	List	NET
R-1673	R. F. Choke, 1/2	2.25	\$1.32	
R-1672	R. F. Choke, 250 mh.	2.25	1.32	
R-1671	R. F. Choke, 85 mh.	2.00	1.18	
R-1734	Audio F. Choke, 3 1/2 Henrys	3.25	1.91	



R. F. Choke

Black bakelite case, 1 1/4 in. high, 1 3/8 in. diameter. Single hole mount. Inductance, 60 millihenries. D-C resistance, 150 ohms. Capacity, 2 mfmfd.
No. R-16172. List, \$1.50. Your NET **\$88¢**
Price.....



National R. F. Choke



Unique design plugs into standard grid leak mounting. Suitable for short wave as well as broadcast work. D-C resistance, 350 ohms.

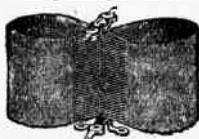
No. R-16173. 90 Millihenries. **73¢**
List, \$1.25. Your NET Price.....
No. R-16174. 250 Millihenries. **94¢**
List, \$1.60. Your NET Price.....

Retard Coil

This is a small flat coil enclosed in a brass coil insulating shield, nickel plated. It is arranged for mounting on the sub-panel.

No. R-1630. List, \$1.00. **59¢**
Your NET Price.....

Bodine Twin-8 Coils



Combines the feature of a very limited magnetic field with that of tremendous amplification. Greatly improves the performance of all tuned radio frequency sets.

No. R-4619. Twin-Eight coil for .00035 Condenser. List, \$2.00. **\$1.18**
Your NET Price.....

No. R-4620. Twin-Eight coil for .00035 Condenser. Set of 3. List, \$6.00. Your NET Price..... **\$3.53**

No. R-4621. Twin-Eight coil for .0005 Condenser. List, \$2.00. **\$1.18**
Your NET Price.....

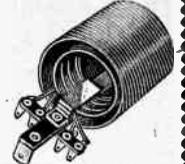
No. R-4622. Twin-Eight coil for .0005 Condenser. Set of 3. List, \$6.00. Your NET Price..... **\$3.53**

No. R-16185. T135 Twin-Eight Coil designed for circuits employing Electrad Phasatrol. List, each, \$2.00. **\$1.18**
Your NET Price.....

No. R-16186. T135 Set of Three Twin-Eight coils for use with Phasatrol. List, set of three, \$6.00. **\$3.53**
Your NET Price.....

Hammarlund Screen Grid Coils

Famous Hammarlund 2 inch space wound, self supporting inductances. Primary of R. F. transformer has three taps with leads on Bakelite terminal strip. Antenna coupler has three taps.



No. R-16175. TCT-23 Special Coil for model one "H-R" Receiver or any similar circuit employing R. F. amplification with regeneration. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16176. SGT-23 Shield-Grid R. F. Trans. for .0005 mfd. condenser. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16177. SGT-17 Shield-Grid R. F. Trans. for .00035 mfd. condenser. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16178. SGT-LW Shield-Grid R. F. Longwave Trans. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16179. A-C-23 Antenna Coupler for .0005 mfd. condenser. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16180. A-C-17 Antenna Coupler for .00035 mfd. condenser. List, \$5.00. **\$2.94**
Your NET Price.....

No. R-16181. HR-23 Coil Set, includes Antenna Coil and TCT-23 Coupler for all "Roberts" and similar circuits. For .0005 mfd. condenser. List, \$7.50. **\$4.41**
per set, \$7.50. Your NET Price....

Hammarlund- Roberts "Hi-Q 29" Coils



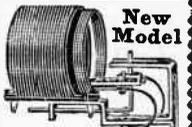
Set of 3 space-wound coils for use with .00035 mfd. condensers. Designed for new Hammarlund-Roberts "Hi-Q 29" receiver, but adaptable to other circuits. Antenna coupler primary has three taps with lugs.

No. R-16182. Set of 3 Coils. **\$4.70**
List, \$8.00. Your NET Price.....

No. R-16183. Single Coil, as illustrated. List, \$2.50. **\$1.47**
Your NET Price.....

No. R-16184. Antenna Coil Only. List, \$3.00. **\$1.76**
Your NET Price.....

Hammarlund Auto- Couple Coils

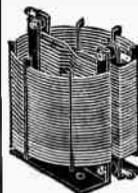


Tuned radio-frequency transformers with adjustable primary, fixed at any desired position. If used with Hammarlund Midline condenser, primary is tuned automatically, assuring gradual coupling throughout range of condenser.

No. R-1624. Auto Couple Coil, including mounting bracket and cam. **\$2.06**
List, \$3.50. Your NET Price.....

No. R-1623. Same. In sets of 3. **\$5.88**
List, \$10.00. Your NET Price.....

ELLIS "D" Coils



New small type—only 2 in. high, 2 in. in diameter. Also new form of group space winding is used. Unexcelled selectivity, matchless tone and volume. Widely used and recommended.

No. R-1661. For use with .00035 Condensers. List, \$2.50. **\$1.47**
Your NET Price.....

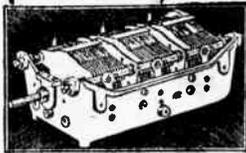
No. R-1662. For use with .0005 Condensers. List, \$2.50. **\$1.47**
Your NET Price.....

OSCILLATOR COUPLER
No. R-4655. List, \$3.00. **\$1.76**
Your NET Price.....

ANTENNA COUPLER
No. R-4656. List, \$3.00. **\$1.76**
Your NET Price.....

Silver-Marshall New 3-Gang Condenser Type 323

SM



A three unit gang condenser very accurately made. Rugged die cast frame for bottom, end or side mounting. Condenser sections shielded from each other. Equipped with individual compensators and matched within 1% over upper half of scale and 1 mmfd. over lower half of scale. Shipping weight, 3 lbs. Capacity, .00035.

No. R-4549. List, \$13.50. **\$7.94**
Your NET Price.....

S-M Universal Condenser Type 320-R

A variable condenser with full floating removable shaft, plate doubly spaced of the modified S.F.-SLW type. Plate rotates clockwise or anti-clockwise. Mounting: side, bottom or end. Size, 2 1/4 x 4 1/4 x 4 in. Shipping weight, 1 lb.

No. R-4547. Capacity, .00035.
No. R-4548. Capacity, .00014.
List, \$4.00. Your NET Price..... **\$2.35**



S-M Midget Condensers Type 340 and 342

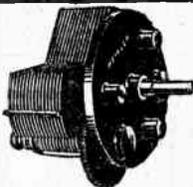


For compensating, balancing, antenna coupling regeneration control, etc. Lacquered brass plates mounted on bakelite for panel or sub-panel assembly. Complete with knob. Shipping weight, 6 oz.

No. R-1560. Type 340. Cap. Min. .000003, Cap. Max. .000025. **88¢**
List, \$1.50. Your NET Price.....
No. R-1580. Type 342. Cap. Min. .000004, Cap. Max. .000075. **\$1.03**
List, \$1.75. Your NET Price.....

REMLER

Twin Rotor Condensers

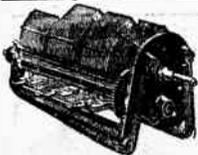


Rotation of the dial through a full 360° gives greater separation of stations at all wavelengths than is possible with the usual 180° dial. A special adjustment which permits variation of the condenser capacity at zero dial setting allows a still further spreading of the stations in the Straight Line Frequency type. This minimum capacity adjustment allows compensation for small differences in coil construction and makes possible accurate matching of the dials controlling several tuned circuits.

No. R-1555. Type 648. S. L. F. .00035.
No. R-1556. Type 649. S. L. F. .0005.
No. R-1584. Type 659. S. L. F. .0001.
No. R-1552. Type 638. S. L. W. .00035.
No. R-1553. Type 639. S. L. W. .0005.
List, \$5.00. **\$2.94**
Your NET Price.....

REMLER

2-in-Line and 3-in-Line Condensers



Both plates rotate. Entirely in-cased. Easy reading because dial rotates 360°. Body capacity eliminated. Special staggered connection of plates eliminates capacity coupling between grid circuits. Balancing condensers (easily adjusted) integral included with each section. Constructed with mica dielectric. Interchangeable mounting for other Remler Condensers.

Two-in-Line

No. R-1582. Cap. S. L. W. .00035.
No. R-1583. Cap. S. L. F. .00035.
List, \$12.00. **\$7.06**
Your NET Price.....

Three-in-Line

No. R-1554. Cap. S. L. W. .00035.
List, \$18.00. **\$8.82**
Your NET Price.....

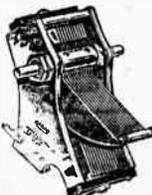


STERLING Microcondensers

No. R-1569. For R. F. circuits. Capacity, 1/4 to 5 mmfd. **59¢**
List, \$1.00. Your NET Price.....
No. R-1570. For equalizing intermediate transformer. Capacity, 4/10 to 40 mmfd.
List, \$1.50. **88¢**
Your NET Price.....

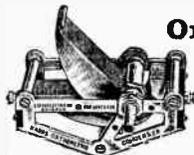
**KARAS
S. L. F.**

Removable shaft allowing sub-panel, baseboard or single hole mounting from either side, permitting use of 0-100 or 100-0 dials. Absolutely straight line frequency curve. Frames and plates are die-stamped from hard drawn brass. Precision built, scientifically engineered, and beautifully finished.



No. R-1586	Mfd.	List	Your NET Price
R-1587	.00025	\$5.00	\$2.94
R-1587	.00037	5.25	3.09
R-1588	.0005	5.50	3.23

KARAS Orthometric



Constructed thru-out of highest quality brass. Plates and frames are die-stamped insuring perfect and permanent alignment and rigidity.

Stator plates have binding posts at either side.
No. R-1546. .0001 Mfd.
No. R-1547. .00014 Mfd.
No. R-1548. .00025 Mfd. **\$3.82**
List, \$6.50. Your NET Price.....
No. R-1549. .00037 Mfd. **\$3.97**
List, \$6.75. Your NET Price.....
No. R-1550. .0005 Mfd.
No. R-1545. Long Shaft. .00037 Mfd.
List, \$7.00. **\$4.12**
Your NET Price.....

Hammarlund, Jr. Midget Condenser

The ideal instrument to use for equalizing gang condensers—as a vernier for neutralization and for capacity feed back. One-hole mounting.



No.	Capacity Mmfd.	Pi.	List	Your NET Price
R-1533	15	5	\$1.50	\$0.83
R-1534	32	9	1.50	.88
R-1538	50	11	1.75	1.03
R-1536	65	15	2.00	1.18
R-1537	100	23	2.25	1.32

Hammarlund Insulated Flexible Coupling

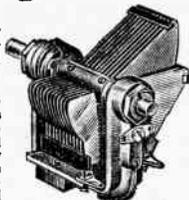


An insulated, flexible coupling device for ganging condensers.
No. R-1599. Coupling.
List, 60¢. **35¢**
Your NET Price.....

For Better Radio
Hammarlund
PRECISION
PRODUCTS

Midline Condensers Single

Leads in popularity in the fine condenser field. Special shaped plates provide uniform separation thru-out the scale. Soldered, non-corrosive brass plates with tie-bars. Reinforced aluminum alloy frame. One-hole mount. Bronze pig-tail. Adjustable ball and cone bearings. Removable shaft—for all mountings. Will stand breakdown test of 1000 volts A-C.

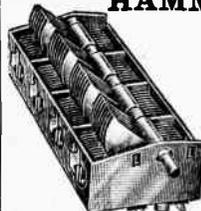


For Short-Wave Receivers

No.	Plates	Mfd.	List	Your NET Price
R-1543	23	.0005	\$5.50	\$3.23
R-1542	17	.00035	5.25	3.09
R-1541	13	.000275	5.10	3.00
R-1540	11	.00025	5.00	2.94
R-1539	7	.00014	4.75	2.79
R-1538	5	.0001	4.75	2.79

HAMMARLUND

New Multiple Condensers Battle- ship Model



Simplicity of control in modern receivers requires condensers with matched capacities of unquestioned accuracy. This new Hammarlund Battleship Condenser fills that need. Die cast frame; plates permanently aligned; free-moving rotor. Rugged beauty and brute strength. Special recesses in frame for attachment of equalizers. 1/4 inch shaft.

2 Gang

No. R-15106	.00035	List	Your NET Price
R-15107	.0005	\$ 9.50	\$ 5.89

3 Gang

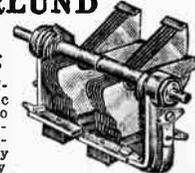
No. R-15108	.00035	13.25	7.79
No. R-15109 <th>.0005</th> <th>14.00</th> <th>8.23</th>	.0005	14.00	8.23

4 Gang

No. R-15110	.00035	17.00	10.00
No. R-15111 <th>.0005</th> <th>18.00</th> <th>10.88</th>	.0005	18.00	10.88

HAMMARLUND

Matched Double Gang



For use with Standard Single Midline Condensers. Not to be used with Battleship Model. Capacities accurately matched, especially for single dial control.

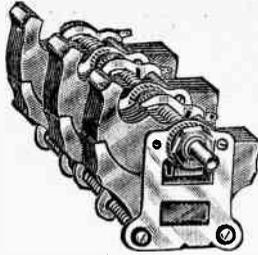
No.	Capacity	List	Your NET Price
R-1589	MLD11 .00025	\$7.75	\$4.56
R-1590	MLD13 .000275	3.25	4.35
R-1591	MLD17 .00035	3.75	4.14
R-1592	MLD23 .0005	9.25	6.44

New Hammarlund Equalizer



A small neutralizing or balancing condenser. Bakelite base mount. Minimum capacity, 2 mmfd.

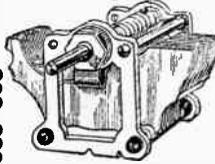
No. R-4595. 35 mmfd.
No. R-4596. 70 mmfd. **29¢**
List, 50¢. Your NET Price.....



Setco SPECIAL CONDENSERS

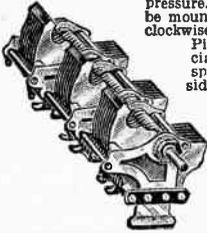
Although remarkably low in price, really an excellent grade. Offered to permit the Professional Set Builder to meet competition in the sale of moderate priced Custom Built Sets. Embody many good points found in the most expensive models. Adaptable for use with drum or disc type dials. Extremely compact, only 2 in. high, 2 1/2 in. wide, 2 in. deep. Removable shafts, gang in any number, either clockwise or anti-clockwise rotation. Very rigid, accurate spacing.

No.	Capacity	Single	Two Gang	Three Gang	List	Special NET
No. R-4561	.00035	Single			\$2.00	\$0.90
No. R-4562	.00035	Two Gang			4.00	1.80
No. R-4563	.00035	Three Gang			6.00	2.70
Capacity, .0005						
No. R-4564	.0005	Single			\$2.00	\$0.90
No. R-4565	.0005	Two Gang			4.00	1.80
No. R-4566	.0005	Three Gang			6.00	2.70

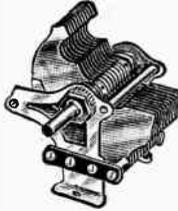


Setco Quality Condensers with Corrugated Plates

Designed to remove handicap of overcrowding at any point of dials. Its tuning characteristic falls between that of straight line wave length and straight line frequency. Absolute uniformity is secured by the use of heavy gauge corrugated rotor and stator plates forced into machined posts under tremendous pressure. Prevents warping and corrosion. Can be mounted in any position—clockwise or anti-clockwise rotation. Single hole mounting. Pigtail contact. Grounded rotor. Special metal bearings, insuring accurate spacing. Ease of operation without any side play.

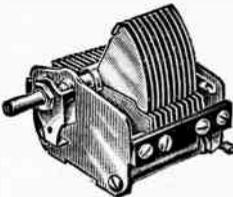


No.	Capacity	Single	Two Gang	Three Gang	List	Special NET
No. R-4567	.00035	Single			\$3.00	\$1.40
No. R-4568	.00035	Two Gang			5.00	2.80
No. R-4569	.00035	Three Gang			9.00	4.20
Capacity, .0005						
No. R-4570	.0005	Single			\$3.00	\$1.40
No. R-4571	.0005	Two Gang			5.00	2.80
No. R-4572	.0005	Three Gang			9.00	4.20



General Instrument

New Metra-align Condensers



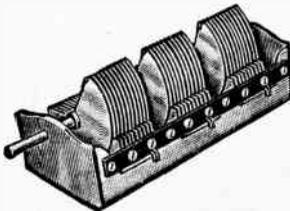
Rigidly built and wider than usual spacing. Plates made of special process materials rigidly aligned. Rotor plates locked at open end. Positive even station separation over entire broadcast band. May mount in single or double hole; front or sub-panel.

No.	Cap.	Single	Double	NET
No. R-4573	.00035	Single		\$1.77
No. R-4574	.0005	Single		2.06

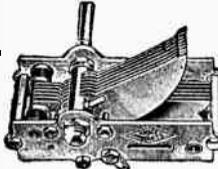
Bath Tub Gang Condensers

Bath tub container construction not only acts as shield but gives greater rigidity and finer accuracy. The entire shell is in one piece which gives it great strength. The rotors and stators are rigidly aligned and the rotor plates have equalizing members which prevent short circuits.

No.	Cap.	Gang	List	NET
No. R-4575	.00035	Double	\$6.00	\$3.53
No. R-4576	.00035	Triple	8.00	4.70



AMSCO Allocating S. L. F. Condensers



AmSCO condensers are so designed that the resonant or tuned R. F. circuit is raised or lowered the same for each dial division. Grounded rotor, aluminum outer frame. Stop studs and full scale position. Has pigtail connections and rotor shaft of chromium nickel needle steel.

Single Units		
No. R-1595	.00025	List, \$1.62
		\$2.75. NET
No. R-1500	.00035	List, \$1.76
		\$3.00. NET
No. R-1501	.0005	List, \$2.06
		\$3.50. NET
No. R-1596	.00014	Special Condenser for Short Wave Circuits, List, \$3.50. NET, \$2.06
Double Units		
No. R-1502	.00035	List, \$3.53
		\$6.00. NET
No. R-1503	.0005	List, \$4.12
		\$7.00. NET

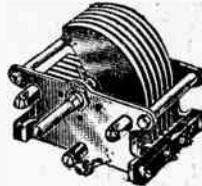


X-L Varico-Denser

For use where accurate values or adjustments are required. Metal parts phosphor bronze nickel plated. Dust and moisture proof Bakelite casing.

No. R-1571	Type N. Range, 1.8 to 20 mfd. List, \$1.00. NET, \$0.64
No. R-1572	Type G1. Range, .0002 to .0001 mfd. List, \$1.00. NET, \$0.64
No. R-1573	Type G5. Range, .0001 to .0005 mfd. List, \$1.00. NET, \$0.64
No. R-1574	Type G10. Range, .0003 to .001 mfd. List, \$1.50. Your NET Price, \$0.96

CARDWELL Condensers



Taper Plate
The Cardwell Taper Plate Condenser in its tuning curve, midway between straight wave length and frequency.

No.	Mfd.	List	Your NET Price
No. R-1512	.0005	\$5.00	\$3.18
No. R-1513	.00035	4.75	3.03
No. R-1514	.00025	4.25	2.71
No. R-1515	.00015	4.00	2.55
No. R-1516	.000075	4.00	2.55
No. R-1517	.00035	Three Gang	\$7.64

CARDWELL Balanet

A superfine condenser unusually compact, for use in neutralizing, balancing, vernier, etc. One hole mount.

No. R-1518	.00015 Mmf.	
No. R-1519	.00025 Mmf.	
No. R-1520	.00035 Mmf.	80¢
List, \$1.25. Your NET Price		
No. R-1521	.00040 Mmf.	
No. R-1522	.0005 Mmf.	96¢
List, \$1.50. Your NET Price		

Dual Balanet

No. R-1523	.00015 Mmf.	\$1.27
List, \$2.00. Your NET Price		
No. R-1524	.00025 Mmf.	
No. R-1525	.00035 Mmf.	\$1.43
List, \$2.25. Your NET Price		
No. R-1526	.00040 Mmf.	
No. R-1527	.00050 Mmf.	\$1.59
List, \$2.50. Your NET Price		

Condenser Shafts

For gangng condensers into multiple units. Shipping wt., brass, 8 oz.; Bakelite, 4 oz.

No.	Material	Length	List	NET
R-15100	Brass	8 in.	16¢	9 1/2¢
R-15101	Brass	12 in.	24¢	14 1/2¢
R-15102	Brass	16 in.	32¢	19¢
R-15103	Bakelite	8 in.	56¢	33¢
R-15104	Bakelite	12 in.	84¢	48¢
R-15105	Bakelite	16 in.	\$1.12	66¢

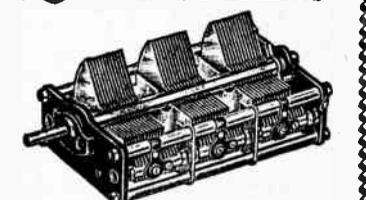
S-M Link Motions

For coupling two or three condensers (4 inches between centers) together for single dial operation.

No. R-1561	632 Triple for 3 condensers. List, \$2.50. Your NET Price, \$1.47
No. R-1562	637 Double for 2 condensers. List, \$2.00. Your NET Price, \$1.18



Straight Tuning Line Condensers



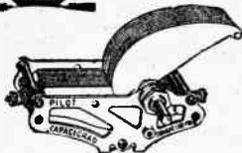
A specially designed modified frequency line condenser which allocates stations on the dial in equal wave length divisions. Sturdy construction, common rotors, insulated stators, together with AmSCO workmanship, make this a scientific instrument. Single hole mounting.

Single Units		
No. R-4512	Capacity .00025	List \$3.00, NET \$1.76
No. R-4514	.00035	3.25, 1.91
No. R-4516	.0005	3.75, 2.20
Double Units		
No. R-4518	Capacity .00035	List \$6.50, NET \$3.82
No. R-4519	.0005	7.50, 4.41
Triple Units		
No. R-1504	Capacity .00035	List \$9.75, NET \$5.73
No. R-4529	.0005	11.25, 6.61



Pilot Quality Variable Condensers

Low in Price But Good!

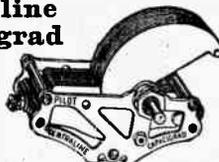


S. L. F. Capacigrad

Identical in construction and finish to the Centraline type, shown at right, except that the plates are designed to produce Straight Line Frequency Calibration. Shaft, 1/4 inch in diameter.

No.	Plates	Mfd.	List	Your NET Price
R-4520	8	.00017	\$1.90	\$1.12
R-4521	13	.0003	2.00	1.18
R-4522	17	.00035	2.15	1.26
R-4523	23	.0005	2.25	1.26

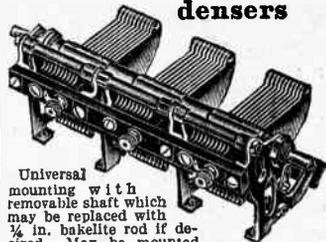
Centraline Capacigrad



Precision type. Highly regarded for their fine construction and accuracy, giving a calibration lying between S. L. F. and S. L. W. All parts are gold finished, end plates heavy polished aluminum. Special features are automatic constant tension, pig-tail lead to rotor, extension shaft in rear. Single or two-hole mounting. 1/4 inch shaft. A splendid condenser at a remarkably low price.

No.	Plates	Mfd.	List	Your NET Price
R-4524	8	.00017	\$1.90	\$1.12
R-4525	13	.0003	2.00	1.18
R-4526	17	.00035	2.15	1.26
R-4527	23	.0005	2.25	1.26

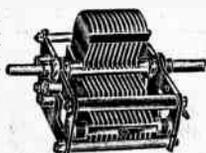
2 and 3 Gang Condensers



Universal mounting with removable shaft which may be replaced with 1/4 in. bakelite rod if desired. May be mounted on panel or sub-panel. May be used with any dial. Has small compensators for balancing. Modified straight line rotors, bronze pigtail. Rigid and sturdy; keeps alignment after assembly.

No. R-4551	.00035	\$3.53
3 Gang, List, \$6.00, NET.....		
No. R-4552	.00035	2.35
2 Gang, List, \$4.00, NET.....		
No. R-4553	.00035, Single	1.26
List, \$2.15, NET.....		

Duospace Condensers



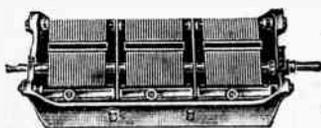
Wider spacing between plates raises flash over voltage, making possible precise matching of double, triple and quadruple units. Make the ideal tandem tuning units. Removable shafts permit substitution of bakelite shafts for use in shield grid circuits. Compensators are fitted to all multiple gangs. Straight line tuning—the ideal compromise between S. L. F. and S. L. W. Will stand high voltages. Small in size.

Single Unit

No.	Cap.	List	Your NET Price
No. R-4554	.00025	\$4.25	\$2.50
No. R-4555	.00035	4.50	2.65
No. R-4556	.0005	5.50	3.23

Siamese Unit

No.	Cap.	List	Your NET Price
No. R-4557	.00035	\$ 9.00	\$5.29
No. R-4558	.0005	11.00	6.47



AMSCO Duospace Bath Tub Design Condenser

Spacing between rotor and stator plates twenty thousandths greater than standard, permitting large flash over voltage, making matching to the finest degree. Aluminum casting preserves laboratory alignment. Removable shaft, permitting substitution of bakelite shaft. Compensators on rotors. Low minimum capacity of fifteen micro-microfarads. Note extremely small physical dimensions. Three and four gang are of bathtub design.

No. R-4559. Capacity Triple, .00035. Length, 7 3/32 in. List, \$13.50. **\$7.94**
Your NET Price.....

No. R-4560. Capacity Quadruple, .00035. Length, 9 5/32 in. List, \$18.00. **\$10.58**
Your NET Price.....

Pilot Micrograd



Bakelite shielded semi-fixed condenser for accurate capacity adjustments in all ranges.

No. R-4543	.000006 to .00005 Mfd.	53¢
List, 90¢. Your NET Price.....		
No. R-4544	.000045 to .0005 Mfd.	59¢
List, \$1.00. Your NET Price.....		
No. R-4545	.00015 to .0021 Mfd.	73¢
List, \$1.25. Your NET Price.....		

Pilot Neutrograd Midget Condenser

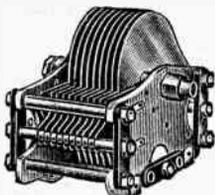
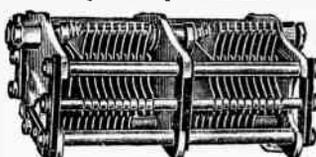


Precision type, balancing, neutralizing and compensating condenser in all ranges.

No. R-4597	5 Plate, .00015	53¢
Max. List, 90¢. Your NET Price.....		
No. R-4540	7 Plate, .00025	53¢
Max. List, 90¢. Your NET Price.....		
No. R-4541	13 Plate, .00005	56¢
Max. List, 95¢. Your NET Price.....		
No. R-4542	23 Plate, .0001	82¢
Max. List, \$1.40. Your NET Price.....		

PRECISE Condensers

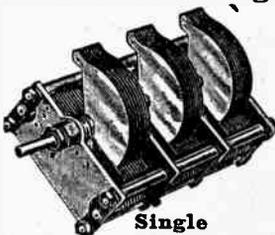
Very rugged construction. Free floating cone type bearings. Removable shafts. Two meter separation per dial division.



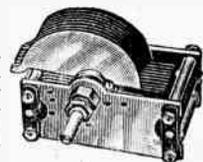
Single	
No. R-4582	Cap., .00035, \$3.53
List, \$6.00. Your NET Price.....	
No. R-4583	Cap., .0005, 3.82
List, \$6.50. Your NET Price.....	

Two Gang	
No. R-4584	Cap., .00035, \$7.06
List, \$12.00. Your NET Price.....	
No. R-4585	Cap., .0005, 7.64
List, \$13.00. Your NET Price.....	
Three Gang	
No. R-4598	Cap., .00035, \$10.58
List, \$18.00. NET.....	
No. R-4599	Cap., .0005, 11.47
List, \$19.50. NET.....	

Precise Straight Line Condenser Units



Stippled brass rotor and stator blades. Aluminum end plates. Cone adjustment for tension on rotor assembly. Single hole or 3 point panel mounting. Compensator on each unit. Calibrated over the tuning range. Removable shafts. A very fine quality condenser.



Single	
No. R-4586	Cap., .00025, \$3.00
No. R-4587	.00035, 3.25
No. R-4588	.0005, 3.75
Double	
No. R-4589	Cap., .00035, \$6.50
No. R-4590	.0005, 7.50

Triple	
No. R-4591	Cap., .00035, \$ 9.75
No. R-4592	.0005, 11.25
Quadruple	
No. R-4593	Cap., .00035, \$13.00
No. R-4594	.0005, 15.00



Fixed Condensers

No. R-1434 .003	List, 60c.	Your NET Price, 38c
No. R-1435 .0035		
No. R-1436 .004		
R-1415 .0008	R-1422 .0003	
R-1416 .0001	R-1423 .00035	
R-1417 .00012	R-1424 .0004	
R-1418 .00015	R-1425 .0005	
R-1419 .000175	R-1426 .0006	
R-1420 .0002	R-1427 .0007	
R-1421 .00025	R-1428 .0008	

R-1411 .00004
R-1412 .00005
R-1413 .00006
R-1414 .00007

List, 40c.

Your NET Price .25c

R1433 .0025

R1429 .001
R1430 .0012

List, 50c.

Your NET Price, 32c

No. R-1437 .005 List, 70c. Your NET Price, 47c
No. R-1438 .008 List, 86c. Your NET Price, 54c
No. R-1439 .007 List, 90c. Your NET Price, 57c

No. R-1440 .0075 List, 95c. Your NET Price, 61c
No. R-1441 .009 List, \$1.00. Your NET Price, 64c
No. R-1442 .01 List, \$1.15. Your NET Price, 73c

No. R-1410. Resistor Clips, per Pair. List, 10c. Your Net Price...6½c

Carter Molded Condensers



Finest Quality

R-1485 .00005	R-1489 .00007
R-1487 .0001	R-1490 .00015
R-1488 .00025	R-1491 .0005
List, 40c.	Your NET Price, 24c
R-1492 .001	R-1494 .002
R-1493 .0025	
List, 50c.	Your NET Price, 29c

No. R-1495 .005	List, \$.40	Net, \$.30
R-1496 .008	.95	.68
R-1497 .0075	.96	.68
R-1498 .01	1.15	.82
R-1499 .015	1.40	1.03
R-14100 .02	1.75	1.03

Fitted With Clips

No. R-14101 .00007	
R-14102 .00015	
R-14103 .0005	
R-14104 .0001	
R-14105 .00025	
List, 50c.	Your NET Price, 29c



Non-inductive wound. Heavy metal Case 1½x2 in.

No. R-14232 .1	Mfd. .1	List \$0.75	NET \$0.44
R-14233 .25	.25	.76	.44
R-14234 .5	.5	.90	.53
R-14235 1.0	1.0	1.25	.73
R-14236 2.0	2.0	1.90	1.12
R-14237 4.0	4.0	4.00	2.35

Sprague Midget Condensers



Tested at 1500 Volts, and suitable for continuous operation at 1000 Volts DC.

No. R-1401 .0001	List, 35c.	Your NET Price, 21c
R-1402 .00025		
R-1403 .0005		
R-1404 .001		
R-1405 .002		
R-1406 .0025		
R-1407 .003		
R-1408 .005		
R-1443 .006		
R-1444 .01		
R-1445 .02		
R-14239 .1		
R-14240 .25		

Carter Round By-Pass Condensers



Small and compact. Working voltage 180 DC or 90 AC.

No. R-1482 .1	Mfd. .1	List \$0.76	NET 44c
R-1483 .25	.25	.90	53c
R-1484 .5	.5	1.25	73c



Muter Dependable Condensers

From carefully tested raw materials. 200 Working Volts DC. 2 in. Wide, 5 in. High. ¼ to 2½ in. Thick.

No. R-14165 1.0	Mfd. 1.0	List \$1.25	NET \$0.73
R-14166 2.0	2.0	2.00	1.26
R-14167 4.0	4.0	3.00	1.76
400 Working Volts DC			
R-14168 1.0	1.0	\$2.00	\$1.18
R-14169 2.0	2.0	3.00	1.76
R-14170 4.0	4.0	5.00	2.94
600 Working Volts DC			
R-14171 1.0	1.0	\$3.00	\$1.76
R-14172 2.0	2.0	5.00	2.94
R-14173 4.0	4.0	9.00	5.29

Muter By-Pass Condensers



Adaptable to any assembly by 200 Working Volts DC. Size: 2x2½ in.

No. R-1446 .5	Mfd. .5	List 60c	Your NET Price, 35c
R-1447 .75	.75	70c	44c
R-1448 .5	.75	75c	44c
R-1449 1.0	1.0	90c	53c
R-1450 0.1	Mfd. 400 Working Volts DC.	List, 75c.	Your NET Price, 44c



Potter A-B-C Blocks

For hum eliminators. Made expressly for present day tubes such as 6H and 2163

No. R-14224R171	2,2,8,1½ Mfd.	\$12.75	7.50
R-14225R210	2,2,2,4,1 Mfd.	12.00	7.14
R-14226R210A2	2,2,4,1,2 Mfd.	14.75	8.67
Extra Duty for Special High Voltage Units			
R-14227R171	2,2,8,1½ Mfd.	15.75	9.26
R-14228R210	2,2,2,4,1 Mfd.	15.50	9.11
R-14229R210A2	2,2,4,1,2 Mfd.	20.00	11.76
R-14230T2900	2,2,2,4,1,1 Mfd. Single	20.00	11.76
R-14231T2950	2,2,2,4,1,1 Mfd. Push Pull	22.50	13.23

ACME Parvolt

By-Pass Condensers

No.	Mfd.	Width	Depth	List	Your Net Price
R-1451	.1	1½ in.	¼ in.	\$0.85	\$0.50
R-1452	.25	1½ in.	¼ in.	1.00	.59
R-1453	.5	1½ in.	¼ in.	1.95	.73
R-1454	1.0	1½ in.	¼ in.	2.25	1.33
R-1456	2.0	1½ in.	¼ in.	4.00	2.35



Pressed under heavy load and housed in compact metal case. Operates up to 200 Volts DC and 100 Volts AC. All are 1½ in. high.

Acme Buffer Condensers

No. R-1472. 2 0.1 Mfd. Condensers, in series, in a can 1½ in. x 1½ in. x 1½ in. DC 400 Volts.	List, \$1.75. Your NET Price.....\$1.03
No. R-1473. 1 0.1 Mfd. Condenser, in a can 1½ in. x 1½ in. x 1½ in. DC 1,000 Volts. List, \$1.75. Your NET Price.....\$1.03	



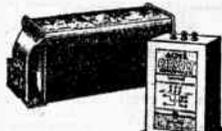
Acme Parvolt Filter Condensers

No.	DC Volts	Mfd.	Depth	List	Your Net Price
R-14174	200	1	¼ in.	\$1.25	\$0.73
R-14175	200	2	¼ in.	2.25	1.26
R-14176	200	4	¼ in.	4.00	2.35
R-14177	400	1½	¼ in.	2.00	1.18
R-14178	400	2	¼ in.	2.50	1.41
R-14179	400	2	¼ in.	3.50	2.05
R-14180	400	4	¼ in.	7.00	4.12
R-14181	600	1	¼ in.	3.00	1.76
R-14182	600	2	¼ in.	5.50	3.23
R-14183	600	4	¼ in.	8.00	4.70
R-14184	1,000	1	¼ in.	5.00	2.94
R-14185	1,000	2	¼ in.	7.00	4.12
R-14186	1,000	4	¼ in.	12.00	7.00
R-14187	1,500	1	¼ in.	6.50	3.70
R-14188	1,500	2	¼ in.	12.00	7.00
R-14189	1,500	4	¼ in.	20.00	11.76

Stand up under sudden voltage surges. Mounting lugs at bottom and blinding posts with lugs for vertical installation. Height of Can 1½ in. Width, 3¼ in.

ACME By-Pass Condenser Blocks

Save space, time and labor. For sets, power supply and amplifying units. 3¼ in. Wide, 1½ in. Deep. No. R-14190. 3 Mfd. (Cap. 0-1-1). List, \$4.00. Your NET Price.....\$2.35



Acme Parvolt Housed Condensers

For the leading Power Supply and Power Amplifiers. In Metal Cases, ready wired with terminals and posts. No. R-14192. For Samson 210. List \$38.00. Your NET Price.....\$22.34

POTTER Filter Condensers



Sealing compounds create moisture proof containers. Bakelite on terminal insulating blocks assure low dielectric losses. 200 Working Volts DC.

POTTER By-Pass Condensers



Hermetically sealed in metal Uniform capacity assured. Twice tested. 160 Working Volts DC.

No. R-14208 .1	Mfd. .1	List \$0.50	NET \$0.35
R-14209 .25	.25	.70	.41
R-14210 .5	.5	.75	.44
R-14211 1.0	1.0	.90	.53
R-14212 2.0	2.0	1.50	.88



POTTER Medium Duty Filter Cond.

For A. B. C. Eliminators, shunts in electrical instruments and experimental work. 400 Working Volts DC.

No. R-14213 .1	Mfd. .1	List \$0.85	NET \$0.50
R-14214 .25	.25	1.00	.59
R-14215 .5	.5	1.25	.73
R-14216 1.0	1.0	1.50	.88
R-14217 2.0	2.0	3.00	1.76
R-14218 3.0	3.0	4.50	2.65
R-14219 4.0	4.0	6.00	3.54
R-14220 5.0	5.0	7.00	4.12
R-14221 6.0	6.0	8.00	4.70
R-14222 7.0	7.0	9.00	5.29
R-14223 8.0	8.0	10.00	5.88



Fixed Condensers

TINYTOBE

The established quality of the larger Tobe Condenser is built into the Tinytobes too. Compact and very light. Made for constant operating voltage up to 500 volts D-C.

No.	Mfd.	No.	Mfd.
R-3422	.0001	R-3426	.0003
R-3423	.00015	R-3427	.0004
R-3424	.0002	R-3428	.0005
R-3425	.00025		

Your NET Price..... **21¢**

No.	Mfd.	No.	Mfd.
R-3429	.0008	R-3432	.002
R-3430	.001	R-3433	.003
R-3431	.0015	R-3434	.004

List, 40c. Your NET Price..... **24¢**

Your NET Price..... **26¢**

No.	Mfd.	No.	Mfd.
R-3435	.005	R-3437	.0075
R-3436	.006		

List, 45c. Your NET Price..... **32¢**

Your NET Price..... **35¢**

No.	Mfd.	No.	Mfd.
R-3438	.01		
R-3439	.02		

List, 60c. Your NET Price..... **35¢**



Tobe By-Pass Condensers

Silvered metal case. Noiseless and unchangeable. Scientifically designed, extremely carefully constructed. They will give

absolute satisfaction.

No.	Type	Mfd.	List	NET
R-3400	210	.1	60c	35c
R-3401	225	.25	70c	41c
R-3402	250	.5	75c	44c
R-3403	201	1.	90c	53c
R-3404	202	2.	\$1.75	\$1.03
R-3405	204	4.	3.50	2.06

Tobe Filter Condensers

For use in filter circuits on plate supply units, B eliminators and in power amplifiers where D-C working voltages run to 300 volts.



No.	Type	Mfd.	List	NET
R-3406	310	.1	70c	41c
R-3407	325	.25	75c	44c
R-3408	350	.5	90c	53c
R-3409	301	1.	\$1.25	73c
R-3410	302	2.	1.75	\$1.03
R-3411	304	4.	3.50	2.06

Tobe Interference Filters



Eliminates radio interference effects of household motors, oil burners, electric refrigerators, elevators, etc. Easily installed and absolutely reliable in reducing such interference to the minimum and in most cases eliminating it entirely. Complete instructions for installation included.

No. R-3420. Tobe No. 1. For use on all appliances or motors up to and including 1/4 H. P. Covers the usual range. List, \$5.88. Your NET Price..... **\$5.88**

No. R-14126. Tobe No. 2. Newly developed. For handling motors and other appliances up to 5 H. P. at 220 volts. For all cases where No. 1 is not large enough. Complete instructions. List, \$15.00. Your NET Price..... **\$8.82**

Tobe 1100 Line



For the higher plate voltages now used in High Power Amplifiers. Ideal for use in compacts of this nature employing one or two 210 tubes or the new 250 power tube. D-C. Especially recommended for 210 Push-Pull amplifiers.

No.	List	NET
No. R-3496, Type 1101. 1 Mfd. List, \$5.50. \$3.21		
Your NET Price..... \$3.21		
No. R-3497, Type 1102. 2 Mfd. List, \$10.00. \$5.88		
Your NET Price..... \$5.88		
No. R-3498, Type 1104. 4 Mfd. List, \$17.50. \$10.29		
Your NET Price..... \$10.29		

New Tobe 1300 Line Hi-Voltage "Surgeproof"

Ideal for push-pull amplifier units using 210 and 250 power tubes.

No.	Capac-ity	List	NET
R-14127	2 Mfd.	\$5.00	\$2.94
R-14128	4 Mfd.	9.00	5.29

Tobe B Blocks

Combine in one case all the filter condenser capacities required for the different types of plate supply units.



No.	Type	Mfd.	List	NET
No. R-3445. Type 660. Exclusively specified for Silver-Marshall Unipac. Push-Pull Amplifier and other Amplifiers using 171 tube. Contains 4, 2, 1, 1, 1 mfd. List, \$12.00. Your NET Price..... \$7.06				
No. R-14122. Model 760. Contains one 8, two 2, and one 1 mfd. 300 volt condensers, for use with Raytheon "B" and 280 tubes. 4. Your NET Price..... \$7.64				
No. R-14123. Tobe B Block, Type 765. Contains two 4's and one 6 Mfd. 400-volt short path condensers for use with Raytheon BH Tube. List, \$13.00. Your NET Price..... \$7.64				

No.	Type	Mfd.	List	NET
No. R-14124. No. 1 Block, contains two 4 mfd. condensers. List, \$10.00. Your NET Price..... \$5.88				
No. R-14125. No. 2 Block, contains one 8 mfd. and three 1 mfd. condensers. List, \$10.50. Your NET Price..... \$6.17				
No. R-3440. R-171 B Block, as specified for use with Thordarson Compact. Contains 8, 2, 2, 1, 1 mfd. List, \$15.00. Your NET Price..... \$8.82				
No. R-3441. R-210 B Block, as specified for use with Thordarson 210 Power Compact, contains 2, 2, 2, 2, 1, 1 mfd. List, \$18.00. Your NET Price..... \$10.58				

New Tobe Trans-A-Former



Consists of Elkon rectifier, a tapped transformer with switch and outlet for "B" Eliminator. It contains a 2 1/2 amp. charger. Makes an "A" Eliminator when used with "A" Filter described on Page 84. List, \$11.00. Your NET Price..... **\$8.82**

No. R-07. 111 Trans-A-Former. List, \$15.00. Your NET Price..... **\$8.82**

Orter Filter Condensers



Working Voltage 300 Volts D-C. 150 Volts A-C.

No.	Capacity	List	NET
R-3464	.1 Mfd.	\$0.80	\$0.47
R-3466	.5 Mfd.	1.20	.71
R-3467	1. Mfd.	1.75	1.03
R-3468	2. Mfd.	2.75	1.62
R-3469	4. Mfd.	4.75	2.79

Working Voltage, 400 Volts DC, 200 Volts AC.

No.	Capacity	List	NET
R-3471	.1 Mfd.	\$1.00	\$0.59
R-3473	.5 Mfd.	1.40	.82
R-3474	1. Mfd.	2.00	1.18
R-3475	2. Mfd.	3.50	2.06
R-3476	4. Mfd.	6.50	3.82

Working Voltage, 600 Volts DC, 300 Volts AC.

No.	Capacity	List	NET
R-3478	.1 Mfd.	\$1.25	\$0.73
R-3480	.5 Mfd.	2.00	1.18
R-3481	1. Mfd.	3.00	1.78
R-3482	2. Mfd.	5.50	3.23
R-3483	4. Mfd.	10.00	5.88

Working Voltage, 1000 Volts DC, 500 Volts AC.

No.	Capacity	List	NET
R-3485	.1 Mfd.	\$1.50	\$0.88
R-3487	.5 Mfd.	3.00	1.76
R-3488	1. Mfd.	5.50	3.23
R-3489	2. Mfd.	10.00	5.88
R-3490	4. Mfd.	18.50	10.88

Non-inductive type. Free from leakage. Long life. Made of finest materials by experts. Will withstand rated voltage with wide margin of safety.

Buffer Condensers

Working Voltage, 400 Volts D-C. 200 Volts A-C.

No.	Capacity	List	NET
R-3492	1-1 Mfd.	\$2.00	\$1.18

Working Voltage, 600 Volts D-C, 300 Volts A-C.

No.	Capacity	List	NET
R-3493	1-1 Mfd.	\$3.00	\$1.76

Working Voltage, 1000 Volts D-C, 500 Volts A-C.

No.	Capacity	List	NET
R-3494	1-1 Mfd.	\$3.75	\$2.20

PILOT Filter Condensers



Enormous production makes possible the low prices on these quality items. Every condenser has minimum D-C resistance of 100 megohms.

No. R-14130. 3 Paper 300 V. A-C 2 Mfd. Filter. List, \$1.75. Your NET Price..... **\$1.03**

No. R-14131. 4 Paper 400 V. A-C. 1-1 mfd. buffer. List, \$1.50. Your NET Price..... **88c**

No. R-14132. 3 Paper 180 V. A-C. 1 mfd. by-pass. List, \$1.00. Your NET Price..... **59c**

No. R-14134. 4.5 mfd. 180 V. AC By-pass. List, \$1.00. Your NET Price..... **59c**

Tobe 400 Line

Short-path type, for operation on voltages up to 400 volts. Silvered metal container in new shape to occupy small base space. Special terminals near bottom for easy wiring.



No.	Type	Mfd.	List	NET
R-3412	401	1.	\$2.00	\$1.18
R-3413	402	2.	2.75	1.62
R-3414	404	4.	4.50	2.65

Tobe 600 Line



Extra rugged high-voltage condenser for high power amplifier units, such as A-Mer, Thordarson and others. Operates on continuous D-C voltages of 600 to 1000 volts. Two small sizes are 2 1/2 x 1 1/2 in.; larger sizes, 3 1/2 x 1 1/2 in. Shpg. wts. 1 1/2 to 2 1/2 lbs.

No.	Type	Mfd.	List	NET
R-3415	600	5.	\$2.00	\$1.18
R-3416	601	1.	2.50	1.47
R-3417	602	2.	3.50	2.06
R-3418	604	4.	6.00	3.53

Tobe New Model By-Pass Condensers



Small, compact, easier to mount. Made of metal which permits grounding case. Size, 2 1/2 x 1 1/2 in.

No.	Mfd.	List	NET
R-3454	.5	\$0.90	53c
R-3495	1.	1.25	73c

Tobe Buffer Condenser Unit

Contains two 0.1 high test condensers for eliminator transformer.

No.	Type	List	NET
No. R-3443. Type 411. 1 Mfd. List, \$2.00. Your NET Price..... \$1.18			
No. R-3444. Type 311. 1 and .1 Mfd. List, \$1.50. Your NET Price..... 88c			

New 250 B Block

Consists of 2, 2, 2, 1, 4, 1, 1 Mfd. C-, B-. For use on R250 Thordarson Power Pack and all 250 Push-Pull Amplifiers using new 250 Power Tube.

No.	List	NET
No. R-14129. List, \$26.00. Your NET Price..... \$15.29		

DUBILION



"The standard fixed condenser of Radio." Tested at 600 Volts D-C.

No.	Type	Capacity	Mfd.
No. R-14151.	.0005	.0005	Mfd.
No. R-14152.	.0001	.0001	Mfd.
No. R-14153.	.00015	.00015	Mfd.
No. R-14154.	.00025	.00025	Mfd.
No. R-14155.	.0005	.0005	Mfd.
No. R-14156.	.001	.001	Mfd.
List, 20c. Your NET Price, 12c			
No. R-14157.	.0015	.0015	Mfd.
No. R-14158.	.002	.002	Mfd.
List, 25c. Your NET Price, 15c			
No. R-14159.	.0025	.0025	Mfd.
No. R-14160.	.003	.003	Mfd.
No. R-14161.	.004	.004	Mfd.
List, 30c. Your NET Price, 18c			
No. R-14162.	.005	.005	Mfd.
No. R-14163.	.006	.006	Mfd.
List, 40c. Your NET Price, 24c			

Type 601-G

No.	Type	Capacity	Mfd.
No. R-14164.	.0025	.0025	Mfd.
List, 25c. Your NET Price, 15c			

SM

Transformers

Leaders of the Radio World

The radically new S-M Clough system of audio transformers created a real sensation at the 1928 Radio Trade Show at Chicago, when on a special demonstration test they were ruthlessly pitted against the highest priced instruments ever placed on the market. One man after another turned away, convinced beyond question that here was the greatest actual advance in quality of reproduction that American inventive genius has brought forth in years.



The New Silver-Marshall Audios

"No matter what kind of a set you have, or are going to build, these new audio transformers will give you greater amplification; tonal quality you've never heard the equal of before, and greater 'punch' and volume. They are the first audio transformers to give freedom from the hysteretic distortion found in all other types. They are the first to give the

realism of recreation that will make you gasp and wonder how you could ever have been content with the tone you've had. S-M transformers have been acknowledged leaders for two years—now these new types place S-M performance just two years ahead of the best—yet you can have this finer performance in every set you build."—say the Manufacturers.



S-M 223 Hi-Mu Audio

For use between 222 first stage screen grid tube, space charge connection, and any standard power tube. Provides absolutely flat curve from 32 to 5000 cycles with average voltage gain of 42 per stage.

No. R-4791. List, \$9.00. Your NET Price..... **\$5.29**

S-M 225 First Stage Audio

For use between any standard detector and first audio stage, providing a flat curve up to 5000 cycles with greater amplification at 32 cycles than at 1000 cycles. Effective voltage gain 4.3 to 1.

No. R-4786. List, \$9.00. Your NET Price..... **\$5.29**

S-M 226 Second Stage Audio

For use with Type 225, between first and second stages, with same characteristics except that it gives a rise in amplification between 32 and 100 cycles and has a voltage gain of 3.5 to 1. Sharp cut-off between 5000 and 8000 cycles.

No. R-4787. List, \$9.00. Your NET Price..... **\$5.29**

S-M 251 Output Transformer or Impedance

A combination output unit adjustable to match any standard power tube and giving a new standard of performance to any amplifier with 112 or 171 type tubes.

No. R-4790. List, \$6.00. Your NET Price..... **\$3.47**

S-M 255 First Stage Audio

Used between detector and first audio stage. It provides a rise in amplification between 65 and 300 cycles and then has a perfectly flat characteristic to 8000 cycles. Effective ratio 4.2 to 1.

No. R-4788. List, \$6.00. Your NET Price..... **\$3.47**

S-M 256 Second Stage Audio

A companion to 255 for use in second stage to provide a similar curve. Effective ratio 3.5 to 1.

No. R-4789. List, \$6.00. Your NET Price..... **\$3.47**



Silver-Marshall Standard Transformers

The famous S-M 220's and other standard transformers are more popular than ever and provide better performance than any other competitive transformers. They need no introduction to the radio fan; they are ideal for light socket power amplifiers and public address systems.

S-M 230 Push-Pull Input Trans.

For use in a high-grade push-pull amplifier or as a variable ratio audio transformer, with ratio of 3 to 1 or 6 to 1. Frequency characteristics same as 220. Shipping wt., 4 lbs. 6 oz.

No. R-1720. List, \$10.00. Your NET Price..... **\$5.88**

S-M 231 Push-Pull Output Trans.

For use with Type 230 in push-pull circuit or as a variable ratio output transformer to match either 112 and 210 or 171 and 260 tubes. Shipping wt., 4 lbs. 6 oz.

No. R-1721. List, \$10.00. Your NET Price..... **\$5.88**

S-M 242 Microphone Trans.

For use with either single or double button microphones or as a line input transformer to power amplifiers. Two primaries and one secondary. Shipping wt., 2 lbs. 4 oz.

No. R-4716. List, \$7.00. Your NET Price..... **\$4.12**



S-M 220 Audio Trans.

An all stage transformer providing substantially straight line amplification from 30 to 5000 cycles. Ratio 3 to 1. Sharp cut-off above 5000 cycles. The largest selling high grade transformer ever made! Shipping wt., 4 lbs. 6 oz.

No. R-1717. List, \$8.00. Your NET Price..... **\$4.70**

S-M 221 Output Trans.

For use between speaker and power tube in any radio receiver to prevent blasting and damage to speaker, and to improve reproduction. Ratio 1 to 1.89.

Shipping wt., 4 lbs. 4 oz. No. R-1718. List, \$7.50. Your NET Price..... **\$4.41**

S-M 222 Output Trans.

Same as Type 221 except equipped with four tip jacks and 5 foot cord. Shipping wt., 4 lbs. 5 oz.

No. R-0354. List, \$8.00. Your NET Price..... **\$4.70**



AMERTRAN DeLuxe Transformers

Widely regarded as one of the best high quality audio transformers on the market. Their reproduction is distinguished by their utter naturalness. Shipping weight, each, 2 1/4 lbs.

No. R-1701. 1st Stage
No. R-1702. 2nd Stage
List, each, \$10.00. Your NET Price..... **\$6.86**

Setco AUDIO TRANSFORMERS

Low in Price but High in Value

Setco "Super-Tone"

These transformers add volume to tone quality and meet all speaker conditions. Equally efficient over all frequencies. High amplification of low frequencies assured by high primary reactance. High grade silicon steel used for laminations with extra insulated windings completely shielded and sealed against changes. For all popular circuits. A remarkable value.

No. R-17130. 2 1/2-i Ratio
No. R-17131. 3 1/2-i Ratio
No. R-17132. 5 -i Ratio
List, \$3.00. Your NET Price..... **\$1.54**



Setco Junior

A high grade transformer made of the same quality materials as the Setco "Supertone," but more compact. Its output is of absolute realism over the entire musical scale. Especially desirable where space economy is a consideration. Use on all popular circuits. Binding posts neatly marked. Unquestionably a most amazing value at our special price.

No. R-17133. 2 1/2-i Ratio
No. R-17134. 3 1/2-i Ratio
No. R-17135. 5 -i Ratio
List, \$2.50. Your NET Price..... **\$1.10**

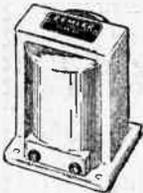


Setco Special

Here is a genuine bargain in a quality transformer. They are small in size, but their great volume, sweet full tone and freedom from distortion and rattle will amaze you. Setbuilders immediately recognize their merit and economy for all popular circuits. The coils have surplus current capacity for all type tubes. Easy to mount and provide for short connection leads. Compact, they may be mounted in almost any part of the assembly.

No. R-17136. 2 1/2-i Ratio
No. R-17137. 3 1/2-i Ratio
No. R-17138. 5 -i Ratio
List, \$2.00. Your NET Price..... **98¢**





REMLER Audio Transformers

1st Stage No. 900

A 3 1/2 to 1 turn ratio transformer for use following the detector of an audio frequency amplifier employing a 301A or 112A tube in the first stage and a 112A or 171A tube in the second stage.

No. R-4796. List, \$8.00. **\$4.70**
Your NET Price.....

No. 901 2nd Stage Audio

A 3 1/2 to 1 turn ratio transformer for use between the first and second audio tubes in an audio amplifier employing 201A or 112A tube in first stage and a 112A or 171A tube in second stage.

No. R-4797. List, \$8.00. **\$4.70**
Your NET Price.....

No. 920 High-Gain Trans.

A 4 1/2 to 1 turn ratio transformer with frequency characteristic rising slightly at lower end. Designed for use in amplifier employing the Model 921 Transformer to couple first audio and power tubes.

No. R-4798. List, \$12.00. **\$7.06**
Your NET Price.....

No. 921 Transformer

A high-gain transformer having a ratio of 6 1/2 to 1 and a frequency characteristic falling slightly below 100 cycles. To be used between first audio tube and power tube, and it is particularly suitable in audio amplifier with 250 tube in second stage.

No. R-4799. List, \$12.00. **\$7.06**
Your NET Price.....

992 Standard Output Trans.

An output transformer primarily designed for use with a 112A or 210 power tube. The primary has taps so that primary impedance may be adjusted for maximum output from power tube used.

No. R-4717. List, \$10.00. **\$5.88**
Your NET Price.....

No. 923 Output Transformer

Consists of a choke, a blocking condenser and a transformer whose primary is tapped so that its impedance can be adjusted for best results with either 250, 171A or 210 tube. Taps provided to adjust secondary impedance for use with cone or electro-dynamic speaker.

No. R-4718. List, \$20.00. Your NET Price **\$11.76**

Tyrman Audio Transformers

No matter what the interpreter — air column, dynamic or cone speakers — Tyrman Audio Transformers reproduce the original with unsurpassed definition and clearness. The only audio units for invisible sub-panel wiring. Beautifully finished in black crystal.

No. R-17100. Tyrman Audio Coupler, Type 3-35. **\$4.70**
List, \$8.00. Your NET Price.....

No. R-17101. Tyrman Audio Output Coupler Type 3-55. **\$4.70**
List, \$8.00. Your NET Price.....

Ferranti Transformers

The Ferranti has a high inductance of primary and ample core section with no air gap. Great subdivision of the windings and special design to reduce self capacity current and eddy current loss are responsible for the wonderful performance of this remarkable transformer. Approximate size of each, 2 1/2 x 3 3/4 inches.

No. R-4760. Type AF 5. Ratio, 3 1/2-1. Purpose, Sets & H. Duty Amplifiers. **\$8.23**
List, \$14.00. Your NET Price.....

No. R-1709. Type, AF 3. Ratio, 3 1/2-1. Purpose, Standard Amplifiers. **\$7.06**
List, \$12.00. Your NET Price.....

No. R-4740. Type AF 4. Ratio, 3 1/2-1. Purpose, Standard Amplifiers. **\$5.00**
List, \$8.50. Your NET Price.....

CHI-TRAN Transformers

Audio Amplifying Transformer, CT 770

The development of special winding machines by the Chicago Transformer Corporation, has made possible the quantity production of interesting spaced coils, for audio amplifying transformers. Prior to this development, they were only used in the highest quality broadcasting stations, and amplifiers where the great expense involved was no issue. Combining these inter-

spaced coils with a new type of high permeability core material, makes possible the production of the highest quality audio amplifying transformer heretofore not obtainable for the radio receiving set. Dimensions: 2 3/4 x 2 1/2 x 3 1/4 inches high. Weight, 2 1/2 lbs.

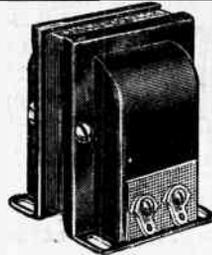
No. R-17102. List, \$8.00. Your NET Price **\$4.70**

Power Output CT 720

Designed to couple the output of a power tube to a loud speaker. Has sufficient current carrying capacity to take the output of 250 power tube at maximum voltage. Primary tapped to match higher plate impedance of 210 power tube, as well as the comparatively lower plate impedance of the 250 and 171 power tubes. Dimensions: 3 in. x 2 1/2 in. x 3 1/4 in. high. No. R-17103. List, \$8.00. Your NET Price **\$4.70**

Push-Pull Input CT 730

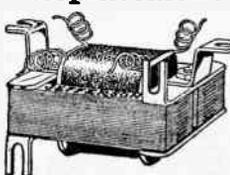
Designed to couple output of an amplifying tube to input of two power tubes, arranged push pull. Secondary is not the usual center tapped winding, but consists of two balanced windings, which are reversed and placed side by side, over the primary, insuring a perfect input balance to the push pull power tubes. Dimensions: 3 1/4 in. x 2 1/2 in. x 3 1/4 in. high. No. R-17104. List, \$15.00. Your NET Price **\$8.82**



Push-Pull Output Choke CT 740

For coupling output of two push-pull power tubes to loudspeaker. Sufficient capacity to carry two 250 tubes, operating at maximum capacity. Tapped on each side of center to give proper impedance match when used with two 210 tubes. Also suitable for use with 171A tubes. Dimensions: 3 1/4 in. x 2 1/2 in. x 3 1/4 in. high. Weight, 3 1/4 lbs. No. R-17105. List, \$12.00. Your NET Price **\$7.06**

Jefferson 370 Replacement Audio



A compact, high quality "Stripped" audio transformer that makes an ideal replacement for old, out-of-date or damaged transformers. It is small enough to fit

under sub-panel and will fit into practically any set. Very efficient, giving full amplification and reproduces tones purely and naturally. Half shielded and has two brackets for mounting. Shipping weight, 1 lb. No. R-4746. List, \$2.25. **\$1.32**
Your NET Price.....

Jefferson Star Transformer

Very reasonably priced for the quality. Small in size and completely shielded. Thousands in use testify to the satisfaction they have rendered.

No. R-17111. Ratio, 1 1/2 to 1. **\$1.62**
List, \$2.75. NET Price.....

No. R-1712. Ratio, Star 3 to 1. List, \$2.75. Your NET Price... **1.62**

No. R-1713. Ratio, Star 6 to 1. List, \$3.00. Your NET Price... **1.76**

General Radio 440-A Audio

Supplies voltages for all popular tubes and current for all ordinary sets. Tapped for 2, 3.5, 5, 7.5 volts. Use on 105-125 volt (50-60 cycles) A-C. No. R-17106. List, \$10.00. Your NET Price **\$6.37**

Pilot Audio Transformers

This transformer can be used in any set where high grade parts are specified. The laminations and windings are of the highest grade materials and we do not hesitate to class this transformer with any that are on the market, regardless of price. The two ratio audio transformers and output filter are uniform in appearance, being built into a beautifully designed case of genuine Black Bakelite and thoroughly waterproofed.

No. R-17107. 2 to 1 Ratio Audio. **\$1.62**
List, \$2.75. Your NET Price.....

No. R-17108. 3 1/2 to 1 Ratio Audio. **\$1.62**
List, \$2.75. Your NET Price.....

No. R-17109. Output Filter. **1.91**
List, \$3.25. Your NET Price.....

No. R-17153. Output Transformer. **1.47**
List, \$2.50. Your NET Price.....

No. R-17154. Input Push-Pull. **1.76**
List, \$3.00. Your NET Price.....

No. R-17155. Output Push-Pull. **1.76**
List, \$3.00. Your NET Price.....

No. R-17156. "B" Eliminator Choke. **1.62**
List, \$2.75. Your NET Price.....

Samson Impedances and Transformers

The Samson helical wound transformers and impedances are all put up in a uniform shielded casing. Samson transformers are known for their beauty and fullness of tone and great volume. A masterpiece of production. Widely regarded the standard of perfection in audio amplification.

Standard Transformers	Ratio	List Price	Your NET Price
No. R-1731	2-1	\$5.00	\$2.94
No. R-1732	3-1	5.00	2.94
No. R-1733	6-1	5.00	2.94

Symphonic Transformers

No. R-1725. Model S. List, \$10.00. Your NET Price **\$5.88**

No. R-1726. Push-Pull Combination. List \$19.50. Your NET Price **\$11.47**

No. R-1787. Model V. Interstage Push-Pull. List, \$14.00. Your NET Price **\$8.23**

No. R-4784. New Model 03. Output Trans. for 2 Type, 210's. List \$10.00. Your NET Price **\$5.88**

No. R-4785. New Model 04. Output Trans. for one 210, two 171 or two 250's. List \$10.00. Your NET Price **\$5.88**

Impedances

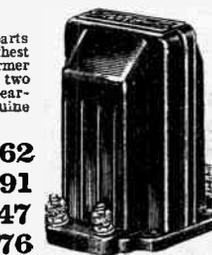
No. R-1727. Plate Impedances. List, \$5.00. Your NET Price **\$2.94**

No. R-1728. Grid Impedance. List, \$4.50. Your NET Price **2.65**

No. R-1729. Dual Impedance. List, \$5.00. Your NET Price **2.94**

No. R-1735. Output Impedance. List, \$5.00. Your NET Price **2.94**

No. R-1734. Audio Frequency Choke. List, \$3.25. Your NET Price **\$1.91**



Beautiful Black Bakelite Case, Highly Polished.



KARAS Harmonik A. F. Transformers

No muffling of sounds—no fuzz on the edges of words—no thin, squeaky, distorted tones. Every tone is clear-cut,

separate and distinct.

No. R-1714. Karas Harmonik Transformer. List, Each, \$5.00. Your NET Price. **\$2.94**

Karas Type 28 A. F. Transformers

An audio transformer capable of tremendous volume. Full, clear, undistorted amplification. Hermetically sealed and completely shielded. Not effected by climate or temperature. Sturdy steel case. Low rates.

No. R-1785. List, \$8.00. Your NET Price. **\$4.70**

Karas Output Filter

Eliminates loudspeaker chatter and prevents demagnetization of the speaker unit. Filtering companion to the Karas 28 Audio.

No. R-1786. List, \$8.00. Your NET Price. **\$4.70**

Karas Universal Audios

New. Totally shielded. Recommended where a good but inexpensive transformer is needed. Encased in a steel case, finished with black Duco. The coil and laminations are of generous design.

No. R-17110. List, \$3.00. Your NET Price. **\$1.76**

Karas Unshielded Audio

Popular with set builders and radio service men, because of its compact size and universal application. Heavy base is slotted and will fit practically any setting of mounting holes. Installation is quick and easy.

No. R-17111. List, \$2.25. Your NET Price. **\$1.32**



MUTER Supreme Audio Transformer

Supreme in Range—Supreme in Tone

Specially designed vacuum impregnated coil assembled in highest grade silicon steel core. Instrument black enameled metal shell, with nickeled terminals. Doubly sealed against atmospheric conditions with moisture-proof compound. Size, 4 inches high, 3 1/4 inches long, 2 1/2 inches wide. Shipping weight, each, 3 lbs.

No. R-17112. First Stage. List, \$7.00. **\$4.12**

No. R-17113. Second Stage. List, \$7.00. **4.12**

MUTER Dependable Audio Transformers

Size is approximately 2 1/2 in. square. Black enamel and nickel finish. Highest grade silicon steel core. Vacuum impregnated coil thoroughly insulated. Enameled wire. Shipping weight, each, 8 lbs.

No. R-17114. 3/2 to 1 ratio. List, \$2.00. Your NET Price. **\$1.18**

No. R-17115. 5 to 1 ratio. List, \$2.25. Your NET Price. **1.32**



Audio Transformers

Laboratory curves prove them to be the most perfectly balanced of all. Many years' test establish their superiority. All tones are amplified and uniformly amplified.

No. R-4778. Type "AX." List, \$6.00. Your NET Price. **\$3.53**

No. R-4779. Type "BX." Push-Pull In-Put. List, \$6.50. Your NET Price. **\$3.82**

No. R-4780. Type "CX-171" Push-Pull Output. Impedance matches 171 and 250 power tubes. List, \$6.50. **\$3.82**

No. R-4781. Type "DX-210" Push-Pull Output. Impedance matches 210 and 112 power tubes. List, \$6.50. **\$3.82**

No. R-17116. Type "GX-210" Output. For a push-pull amplifier using 210 tubes with dynamic speaker. List, \$6.50. Your NET Price. **\$3.82**

No. R-4783. List, \$5.00. Your NET Price. **\$2.94**

No. R-17117. Type "HX-171" Output. For amplifier using 171 and 250 tubes with dynamic speaker. List, \$6.50. Your NET Price. **\$3.82**

Type "E" Output Impedance

Taps for matching to power tube.

No. R-4782. List, \$5.00. **\$2.94**

Your NET Price. **\$2.94**

Type "F" Plate Impedance

Use in detector plate circuit to prevent feed back, audio oscillation or "motor-boating."

No. R-4783. List, \$5.00. **\$2.94**

Your NET Price. **\$2.94**

No. R-4783. List, \$5.00. Your NET Price. **\$2.94**



See the SETCO Service Man's Tester, Analyzer and Tool Kit for \$26.46, Page 86.

NATIONAL Audio Transformers

The new NATIONAL Audio Transformer incorporates the latest advances in audio transformer design. It uses the new nickel-steel high permeability core and special split secondary winding. The result is a transformer of small size with unusually fine frequency characteristics. The transformer has a turns ratio of 4 to 1.

No. R-17122. List, \$9.50. **\$5.59**

Your NET Price. **\$5.59**

Push-Pull A. F. Transformers

Constructed with a special nickel-steel alloy core and novel method of coil winding, resulting in unusually fine frequency characteristics without being unduly cumbersome. Tests show a curve of the frequency characteristics to be essentially a straight horizontal line from 30 to 5,000 cycles.

No. R-17123. List, \$9.50. **\$5.59**

Your NET Price. **\$5.59**

NATIONAL Impedaformer

Embodies an Audio Frequency Choke Coil, a 0.1 Mfd. Condenser and Grid Leak in a single unit, thus facilitating the assembly of the amplification units and saving space.

No. R-1795. Impedaformer Type "B." List, \$5.50. **\$3.23**

Your NET Price. **\$3.23**

Halldorson Overtone Audios

Amplify properly the deep rich overtones that make music a delight. Pioneers in small transformers correctly designed.

No. R-17124. Shield-Grid Audio Coupler. List, \$4.75. **\$2.79**

Your NET Price. **\$2.79**

No. R-17125. Overtone Audio. List, \$4.75. **\$2.79**

Your NET Price. **\$2.79**

No. R-17127. Push-Pull Input. List, \$4.75. **\$2.79**

Your NET Price. **\$2.79**

No. R-17128. Push-Pull Output Choke. List, \$4.75. **\$2.79**

Your NET Price. **\$2.79**

THORDARSON

Audio Transformer

R-300



Designed for the musical epicure; this transformer should be used wherever tone quality is paramount. Reproduces every instrument with unusual fidelity. Remarkably wide tonal range. Ideal for two stage amplification. Especially adapted for use with cone type speakers. Coil windings are so designed as to

make these transformers applicable for use in stages of power amplification and give full efficiency in power stages using the 112, 171 or 210 power tubes. Dimensions, 2 1/2 x 3 inches high. Shipping weight, 2 lbs.

No. R-1746. List, \$8.00. **Your NET Price..... \$4.70**

T-2420 Push-Pull Output Choke

A center-tapped choke with 30 henries inductance either side of center-tap. Sufficient capacity for the output of two 210 power tubes. No output condensers are required as speaker leads are at the same DC potential. Dimensions 2 1/2 x 2 1/2 x 3 inches high. Shpg. wt., 2 lbs.

No. R-4704. List, \$8.00. **Your NET Price..... \$4.70**

R-76 Speaker Coupling

An output device for audio amplifiers using power tubes. Protects loudspeaker against high direct current voltage. Not recommended for use except with power tubes.

No. R-4700. List, \$6.00. **Your NET Price..... \$3.53**

R-196-30 Henry Choke

Inductance 30 henries. DC resistance 360 ohms. Current carrying capacity 85 milliamperes.

No. R-1750. List, \$5.00. **Your NET Price..... \$2.94**

Z-Coupler For Screen Grid Audio

A special audio coupling device designed for use with screen grid tubes. One stage of Z-Coupled screen grid audio, has an amplification of from 40 to 50 times the input voltage, the amplification equivalent of from two to three stages of ordinary coupling. Signals barely audible before, may now be heard at satisfactory volume. Also increases sensitivity and volume. Dimensions: 3 1/2 x 3 1/2 x 1 1/2 inches high. Weight, 3 1/2 lbs.

No. R-17151. Z-Coupler. List, \$12.00. **Your NET Price... \$7.06**

Thordarson Autoformer Impedance Amplifier



An all frequency amplifier—being an adaptation of capacities, impedances, and resistances. Amplifies with even magnitude all notes within range of the human ear.

No. R-1745. Autoformer. **List, \$5.00. Your NET Price... \$2.94**

T-2408 Push-Pull Input

A completely shielded transformer with a center tapped secondary. Designed to couple stage of straight audio to push-pull stage. Dimensions: 2 1/2 x 2 1/2 x 3 in. high. Wt., 2 lbs.

No. R-4703. List, \$8.00. **Your NET Price..... \$4.70**

Thordarson Standard Audios

A moderate priced transformer which will give good tonal reproduction. Will satisfy the musical requirements of the average ear. Finished with either top mounting or sub-panel terminals. Dimensions: 1 1/2 x 2 1/2 x 2 1/2 in. high.

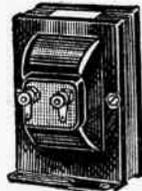
No.	Ratio	List Price	Your NET Price
No. R-739	6-1	\$4.50	\$2.65
No. R-740	3-1	4.00	2.35
No. R-741	2-1	5.00	2.94

Sub-Panel Models

No.	Ratio	List Price	Your NET Price
No. R-742	6-1	\$4.50	\$2.65
No. R-743	3-1	4.00	2.35
No. R-744	2-1	5.00	2.94

THORDARSON

Speaker Coupling Transformers



Model T-2901

Speaker coupling transformer to connect one 250 type tube to cone or other high impedance speaker.

No. R-4772. Model T-2901. **List, \$12.00. Your NET Price..... \$7.06**

Model T-2902

Speaker coupling transformer to connect one 250 type tube to dynamic speaker.

No. R-4773. Model T-2902. **List, \$12.00. Your NET Price..... \$7.06**

Model T-2876

Speaker coupling transformer to connect one 210 type tube to cone or other high impedance speaker.

No. R-4774. Model T-2876. **List, \$6.00. Your NET Price..... \$3.53**

Model T-2903

Push-pull output transformer to connect two 250 type tubes in push-pull to dynamic speaker.

No. R-4758. Model T-2903. **List, \$12.00. Your NET Price..... \$7.06**

Model T-2629

Speaker coupling transformer to connect two 210 type tubes in push-pull to dynamic speaker.

No. R-4757. Model T-2629. **List, \$10.00. Your NET Price..... \$5.88**

T-2922 Push-Pull Input Trans.

For use with 210 and 250 power tubes in the push-pull stage. Ratio 3 to 1. Dimensions: 3 1/2 x 3 3/4 x 3 in. high. Weight, 3 1/2 lbs.

No. R-17152. List, \$12.00. **Your NET Price..... \$7.06**

Daven Anti-Motoboater



Prevents motor boating in resistance coupled amplifiers. Increases power handling capacity. Very quickly and easily installed.

No. R-19340. List, \$4.00. **Your NET Price... \$2.35**



Daven Ballast Resistors

Automatically regulates current to tubes. One Daven Ballast controls filament of from 1 to 5 tubes rugged and durable. Price includes mounting.

R-1811	1/4 Amp. 1 tube	List, Each.
R-1812	1/2 Amp. 2 tubes	\$1.00.
R-1813	3/4 Amp. 3 tubes	Your Price
R-1814	1 Amp. 4 tubes	NET Price
R-1815	1 1/4 Amp. 5 tubes	59c

AC Ballast Resistor

No.	Type	Tube	Transf. Voltage
R-19341	227	3.5 Volts	
R-19342	226	2.0 Volts	

List, including mounting, \$1.00. **Your NET Price..... 59c**

Daven Hi-Duty Glastor



A greatly improved processed glass resistor. Ideal for "B" Eliminators and heavy service. Has soldering lugs.

No.	Ohms	No.	Ohms
R-19343.	2,500	R-19349.	15,000
R-19344.	4,000	R-19350.	25,000
R-19345.	5,000	R-19351.	50,000
R-19346.	8,000	R-19352.	100,000
R-19347.	10,000	R-19353.	500,000
R-19348.	12,000	R-19354.	1,000,000

List, \$1.00. **Your NET Price..... 59c**

Silver-Marshall 631-A R. F. Stage Shield

A slotted and pierced aluminum box shield with removable top. 5% in. high, 7% in. long, 3% in. wide. Bottom pierced for all leads.

No. R-2774. List, \$2.00. **Your NET Price..... \$1.18**

S-M 638 Stage Shield



Of copper. Compact but accommodates any tube with any S-M plug-in coils + resistors + by-pass cord.

No. R-27132. List, \$1.50. **Your NET Price..... 88c**

Speaker Cord Extension Connector



Connects speaker cord with extension cord, so that speaker may be moved to any point.

Made of bakelite with hard gripping contacts. No. R-0370. List, each, 35c. **Your NET Price..... 21c**



REMLER Shielding Case

Of Rigid Copper, 3x5 1/2 x 5 1/2 in. Removable top and bottom. Angle bracket for socket. Holes for leads and screws.

No. R-4678. List, \$3.00. **Your NET Price..... \$1.76**

HAMMARLUND Shields

Roomy, efficient, strong. Made of sheet aluminum. Size, 6x8x5 1/2 in. for Hammarlund-Roberts "Hi-Q 29" and other circuits.



No. R-27138. List, \$2.25. **Your NET Price..... \$1.32**

No. R-27139. Junior Shields. Inside size, 6x7 1/2. List, \$2.00. **Your NET Price..... \$1.18**

No. R-27140. "Hi-Q Six" Shield has 2 compartments 3 1/2 x 8 1/2 x 5 1/2 in. Inside measurements. List, \$4.00. **Your NET Price..... \$2.35**

No. R-27141. "Hi-Q Six 1" - Same as "Hi-Q Six" but of all compartment. List, \$2.50. **Your NET Price..... \$1.47**



Carter

"Midget" Rheostats

Smallest made. Only 1 1/2 inches in diameter. All metal frame—self cooling. Superior to other small rheostats in construction. Element wire positively cannot come loose, short circuit, or break. Exceptionally fine regulation. Dissipates 2 1/2 watts.

No. R-20233 1 ohm	No. R-20101 10 ohms	No. R-20105 30 ohms
No. R-20100 2 ohms	No. R-20102 15 ohms	No. R-20235 40 ohms
No. R-20234 3 ohms	No. R-2069 20 ohms	No. R-20236 50 ohms
No. R-2068 6 ohms	No. R-20104 25 ohms	No. R-20237 75 ohms

List, 50c. **29c**

Your NET Price.....

"Midget" Rheostat with Filament Switch

No. R-20242 1 ohm	No. R-20134 10 ohms	No. R-20133 30 ohms
No. R-20132 2 ohms	No. R-20244 15 ohms	No. R-20248 40 ohms
No. R-20243 3 ohms	No. R-20135 20 ohms	No. R-20247 50 ohms
No. R-20133 6 ohms	No. R-20245 25 ohms	No. R-20248 75 ohms

List, \$1.00. **59c**

Your NET Price.....

"Midget" Potentiometers MP & M Types

Smallest made. Ideal for new A-C tubes.

No. R-20106 6 ohms	No. R-20108 15 ohms	No. R-20109 200 ohms
No. R-20107 10 ohms	No. R-20138 20 ohms	No. R-20110 400 ohms

List, 75c. **44c**

Your NET Price.....

Potentiometer with Filament Switch

No. R-20281 6 ohms	No. R-20283 15 ohms	No. R-20285 200 ohms
No. R-20282 10 ohms	No. R-20284 20 ohms	No. R-20286 400 ohms

List, \$1.25. **73c**

Your NET Price.....



Heavy Duty Carter "Midget" Rheostat

Similar to "Midget" except that resistance strip is 3/4 in. instead of 1/2 in. This means considerable more radiating surface. Dissipates 5 watts.

No. R-20111 1/2 ohm	No. R-20118 10 ohms
No. R-20112 1 ohm	No. R-20239 15 ohms
No. R-20113 3/4 ohm	No. R-20119 20 ohms
No. R-20114 1 ohm	No. R-20120 25 ohms
No. R-20115 2 ohms	No. R-20121 30 ohms
No. R-20116 3 ohms	No. R-20240 40 ohms
No. R-20117 6 ohms	No. R-20241 50 ohms

List, 75c. **44c**

Your NET Price.....

Potentiometer (M W Type)

No. R-20126 600 ohms	List, \$1.00. 59c
No. R-20127 1,000 ohms	List, \$1.25. 74c
No. R-20128 2,000 ohms	List, \$1.50. 88c
No. R-20129 3,000 ohms	List, \$1.50. 88c

Your NET Price.....



Carter "Imp" Rheostat

"Daddy" of all good rheostats. Self-cooling. Diameter, 1 3/4 in.; projects 3/4 in. back of panel. One hole mount. Dissipates 2 1/2 watts.

No. R-20249 1 ohm	No. R-20250 2 ohms
No. R-2015 3 ohms	No. R-2016 4 ohms
No. R-2017 10 ohms	No. R-20251 15 ohms
No. R-2019 20 ohms	No. R-20252 25 ohms
No. R-2021 30 ohms	No. R-20253 40 ohms
No. R-2023 50 ohms	No. R-20254 75 ohms

List, \$1.00. **59c**

Your NET Price.....

With Filament Switch

No. R-20255 1 ohm	No. R-20258 6 ohms
No. R-20257 3 ohms	No. R-20259 10 ohms
No. R-20260 15 ohms	No. R-20261 20 ohms
No. R-20262 25 ohms	No. R-20263 30 ohms
No. R-20264 40 ohms	No. R-20265 50 ohms
No. R-20266 75 ohms	List, \$1.50. 88c

Your NET Price.....

Potentiometers

No. R-2025 200 ohms	No. R-2026 400 ohms
---------------------	---------------------

List, \$1.25. **73c**

Your NET Price.....



CARTER Tapered Rheostat Volume Control

Developed especially for new A-C circuits, to be placed across aerial and ground for sensitive volume control. Molded bakelite frame. Not affected by moisture or climate. Dissipates 5 watts.

No. R-20267 400 ohms	No. R-20271 5,000 ohms
No. R-20268 750 ohms	No. R-20272 8,000 ohms
List, \$1.25. Your NET Price..... 73c	List, \$1.75. Your NET Price..... \$1.03
No. R-20269 1,000 ohms	No. R-20273 10,000 ohms
No. R-20270 3,000 ohms	List, \$2.25. Your NET Price..... \$1.32
List, \$1.50. Your NET Price..... 88c	

Carter Tapered Potentiometer

No. R-20274 400 ohms	No. R-20275 750 ohms
List, \$1.50. Your NET Price..... 88c	List, \$1.75. Your NET Price..... \$1.02
No. R-20276 1,000 ohms	No. R-20277 3,000 ohms
List, \$1.75. Your NET Price..... \$1.02	No. R-20279 6,000 ohms
No. R-20278 5,000 ohms	List, \$2.00. Your NET Price..... \$1.18
List, \$2.00. Your NET Price..... \$1.18	No. R-20280 10,000 ohms
No. R-20280 10,000 ohms	List, \$2.50. Your NET Price..... \$1.47

Your NET Price.....

YAXLEY

"Junior" Rheostats

Built like an expensive watch! Only 1 1/4 in. in diameter. Single hole mount. Constructed to dissipate heat. Very fine adjustments. Complete with bakelite knob.

No. R-20141 1 ohm	No. R-20147 20 ohms
No. R-20142 2 ohms	No. R-20148 25 ohms
No. R-20143 3 ohms	No. R-20149 30 ohms
No. R-20144 6 ohms	No. R-20150 40 ohms
No. R-20145 10 ohms	No. R-20151 50 ohms
No. R-20146 15 ohms	No. R-20152 75 ohms

List, 75c. **44c**

Your NET Price.....

Yaxley "Junior" Potentiometers

No. R-20153 6 ohms	No. R-20156 30 ohms
No. R-20154 10 ohms	No. R-20157 200 ohms
No. R-20155 20 ohms	No. R-20158 400 ohms
No. R-20288 25 ohms	List, \$1.00. Your NET Price..... 59c
No. R-20159 1,000 ohms	No. R-20289 2,000 ohms
List, \$1.25. Your NET Price..... 73c	

Your NET Price.....

Yaxley "Junior" Sub-Panel Potentiometers

Same excellent construction as "Junior" Potentiometers, listed above, but designed for sub-panel mounting. Without knob, but with slotted shaft for screwdriver adjustment.

No. R-20299 200 ohms	No. R-20300 400 ohms
List, 85c. Your NET Price..... 50c	No. R-20302 2,000 ohms
No. R-20301 1,000 ohms	List, \$1.10. Your NET Price..... 65c

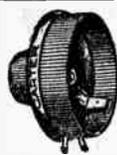
Your NET Price.....

Switch for Yaxley Rheostats

This special switch fits any Junior Rheostat, making it a switching rheostat. No tools required to attach. Positive in action.

No. R-2538	List, 40c. 24c
------------	-----------------------

Your NET Price.....



Carter Hi-Watt Rheostats

heavy; carries 20watts. Mounts in 7/8 in. hole. 1/2 in. or 3/4 in. panels. Complete with black bakelite arrow-pointer knob.

No. R-20206 1/2 Ohms	No. R-20214 50 Ohms
R-20207 1 Ohm	R-20138 100
R-20208 2	R-20139 150
R-20137 6	R-20215 200
R-20209 10	R-20140 250
R-20210 15	R-20216 300
R-20211 20	R-20217 400
R-20212 30	R-20218 500
R-20213 40	List, \$1.50. 88c

Your NET Price.....

No. R-20219 1,000 ohms	No. R-20220 2,000 ohms
List, \$1.75. Your NET Price..... \$1.03	No. R-20221 3,000 ohms
No. R-20222 5,000 ohms	List, \$2.00. Your NET Price..... \$1.18
No. R-20223 10,000 ohms	List, \$2.25. Your NET Price..... \$1.32

Your NET Price.....

Carter Hi-Watt Potentiometer

No. R-20224 500 Ohms	List, \$1.75. Your NET Price..... \$1.03
No. R-20225 1,000 ohms	List, \$2.00. Your NET Price..... \$1.18
No. R-20226 2,000 ohms	List, \$2.00. Your NET Price..... \$1.18
No. R-20227 3,000 ohms	No. R-20228 5,000 ohms
No. R-20229 7,500 ohms	List, \$2.25. Your NET Price..... \$1.32
No. R-20230 10,000 ohms	List, \$2.50. Your NET Price..... \$1.47
No. R-20231 20,000 ohms	List, \$2.75. Your NET Price..... \$1.62
No. R-20232 50,000 ohms	List, \$3.25. Your NET Price..... \$1.91

Your NET Price.....

YAXLEY Air-Cooled Rheostats

Smooth quiet action, with extremely close adjustment. Base is of bakelite. Rheostat mounts in single 1/2 inch panel hole. Furnished complete with bakelite knob.



No. R-2000 2	No. R-2006 25
R-2001 3	R-2007 30
R-2002 6	R-2008 40
R-2003 10	R-2009 60
R-2004 15	R-2010 100
R-2005 20	List, \$1.35. 79c

Your NET Price.....

YAXLEY Air-Cooled Potentiometers

No. R-2012 200 ohms	No. R-2013 400 ohms
List, \$1.75. Your NET Price..... \$1.03	

Your NET Price.....

YAXLEY Volume Control

Many A-C circuits use a tapered resistance in the antenna circuit for a volume control. The Yaxley volume control gives 25 ohms for first 1/4 turn, and 197 1/2 ohms for the balance, making a total of 2,000 ohms. Wire wound and gives a smooth adjustment.



No. R-19240. On Junior Frame.	No. R-19241. On Bakelite Base.
List, \$1.50. Your NET Price..... 88c	

Your NET Price.....

See Back Cover for Greatest Value in History of Radio



Carter "Midget" Volume Control

A compact, reliable unit especially designed for A-C sets. Works as well on D-C sets. To be shunted across aerial and ground for perfect volume control. Design is same as famous Midget Rheostat. Comes in two different types as listed.

Wire Wound with "Off" Position

No. R-20199. 750 ohms.	No. R-20200. 1,000 ohms.
List, 75c.	44¢
Your NET Price.....	
No. R-20201. 2,000 ohms.	No. R-20202. 3,000 ohms.
List, \$1.00.	59¢
Your NET Price.....	

Carbon Type—No "Off" Position

No. R-20203. 10,000 ohms.	List, \$1.50.
No. R-20204. 25,000 ohms.	Your NET Price.....
No. R-20205. 50,000 ohms.	88¢

Carter "Hi-Ohm" Volume Control

Non-inductive, high resistance, wire protected. Perfect contact and smooth operation. All metal frame, self cooling.

No. R-1930. 500,000 ohms.	No. R-1933. 100,000 ohms.
No. R-1931. 300,000 ohms.	No. R-1934. 50,000 ohms.
No. R-1932. 200,000 ohms.	No. R-1935. 10,000 ohms.
List, \$2.00.	
Your NET Price.....	\$1.18

"Hi-Ohm" with Filament Switch

No. R-19209. 500,000 ohms.	No. R-19212. 100,000 ohms.
No. R-19210. 300,000 ohms.	No. R-19213. 50,000 ohms.
No. R-19211. 200,000 ohms.	No. R-19214. 10,000 ohms.
List, \$2.50.	
Your NET Price.....	\$1.47

Carter "Hi-Pot" Volume Control

Potentiometer type. Same as the "Hi-Ohm" except has third terminal.

No. R-1936. 500,000 ohms.	No. R-1939. 100,000 ohms.
No. R-1937. 300,000 ohms.	No. R-1940. 50,000 ohms.
No. R-1938. 200,000 ohms.	No. R-1942. 10,000 ohms.
List, \$2.25.	
Your NET Price.....	\$1.32

"Hi-Pot" with Filament Switch

No. R-19215. 500,000 ohms.	No. R-19218. 100,000 ohms.
No. R-19216. 300,000 ohms.	No. R-19219. 50,000 ohms.
No. R-19217. 200,000 ohms.	No. R-19220. 10,000 ohms.
List, \$2.75.	
Your NET Price.....	\$1.62



FROST Gem Rheostats

Only 1 1/2 in. in diameter. Cool rugged metal frame. Resistance wound on bakelite strip.

Without Switch

No. R-2034. 3 ohms.	No. R-2041. 20 ohms.
R-2038. 6 ohms.	R-2042. 25 ohms.
R-2040. 10 ohms.	R-2043. 30 ohms.
R-2044. 15 ohms.	
List, 75c.	
Your NET Price.....	44¢

Switch Type

No. R-20172. 3 ohms.	No. R-20175. 20 ohms.
R-20173. 6 ohms.	R-20176. 25 ohms.
R-20174. 10 ohms.	R-20177. 30 ohms.
List, \$1.00.	
Your NET Price.....	59¢

Potentiometers

No. R-2046. 200 ohms.	No. R-2047. 400 ohms.
List, \$1.00.	
Your NET Price.....	59¢



FROST Air Cooled De Luxe Bakelite Rheostats

Molded bakelite frame gives complete circulation of air. German Silver contact arm and spring. Single hole mount.

No. R-2057. 3 ohms.	No. R-2061. 20 ohms.
R-2058. 6 ohms.	R-2062. 25 ohms.
R-2059. 10 ohms.	R-2063. 30 ohms.
R-2060. 15 ohms.	
List, \$1.00.	
Your NET Price.....	59¢

Potentiometers

No. R-20180. 20 Ohms.	No. R-2077. 400 Ohms.
FOR A-C R-2081 600	
R-2076. 200	R-20182. 1,000
List, \$1.25.	
Your NET Price.....	73¢
No. R-20178. 2,000 Ohms.	List, \$0.88
R-20179. 3,000	1.18
R-20183. 8,000	2.25
R-20184. 6,000	2.50
	1.47



FROST Gem Variable High Resistance

Made in three terminal type only. Bakelite case small, neat, velvety smooth in operation. No sudden change in resistance. No rough spots.

No. R-19221. 2,000 ohms.	
No. R-19222. 5,000 ohms.	
No. R-19223. 10,000 ohms.	
List, \$2.50.	
Your NET Price.....	\$1.47

No. R-19224. 25,000 ohms.	
No. R-19225. 100,000 ohms.	
No. R-19226. 500,000 ohms.	
No. R-19227. 200,000 ohms.	
No. R-19228. 500,000 ohms.	
List, \$2.25.	
Your NET Price.....	\$1.32



FROST Gem "Hum-Balancer"

Designed for and used on the best receivers to smooth out the AC ripple. Has a short shaft slotted for screwdriver adjustment. Mounts on sub-base.

No. R-20192. 6 ohms for 222 filaments.	
No. R-20193. 20 ohms for 227 filaments.	
List, \$1.00.	
Your NET Price.....	59¢

Centralab

Radiohm and Modulator

The exclusive Centralab feature of making contact on a resistance element by a pressure shoe and tilting disc, assures long life and permanent noiseless service. Base and knob of bakelite, single hole mount.

Radiohm—Two Terminals	
No. R-19188. 0-2,000 ohms.	
No. R-19189. 0-50,000 ohms.	
No. R-19190. 0-100,000 ohms.	
No. R-19191. 0-200,000 ohms.	
No. R-19192. 0-500,000 ohms.	
No. R-19193. RX-100 S. Taper.	
No. R-19194. RX-025 S. Taper.	
List, \$2.00.	
Your NET Price.....	\$1.18

Radiohm—Switch Type	
No. R-19195. 0-200,000 ohms.	
No. R-19196. 0-500,000 ohms.	
List, \$2.30.	
Your NET Price.....	\$1.35

Potentiometers—Three Terminal	
No. R-19197. 200 ohms.	
No. R-19198. 400 ohms.	
No. R-19199. 2,000 ohms.	
No. R-19200. 10,000 ohms.	
No. R-19201. 50,000 ohms.	
No. R-19202. 100,000 ohms.	
No. R-19203. 500,000 ohms.	
List, \$2.00.	
Your NET Price.....	\$1.18

Modulators—Three Terminal	
No. R-19204. 250,000 ohms.	
No. R-19205. 500,000 ohms.	
List, \$2.00.	
Your NET Price.....	\$1.18

Modulators—Switch Type	
No. R-19206. 200,000 ohms.	
No. R-19207. 500,000 ohms.	
List, \$2.30.	
Your NET Price.....	\$1.35



Carter Super Hi-Watt Rheostat

The ideal control for small motors and for rheostat for radio sets and radio power supply devices burdened with heavy loads. Resistance ribbon is wound on steel thoroughly covered with asbestos. Recommended for Super-Heavy Duty—dissipates 50 watts. 2 1/2 in. in diameter. Projects 1 in. back of panel. Complete with Bakelite knob.

No. R-19158. 1 ohm	No. R-19168. 60 ohms
R-19159. 2 ohms	R-19169. 75 ohms
R-19160. 3 ohms	R-19170. 100 ohms
R-19161. 6 ohms	R-19171. 150 ohms
R-19162. 10 ohms	R-19172. 200 ohms
R-19163. 15 ohms	R-19173. 250 ohms
R-19164. 20 ohms	R-19174. 300 ohms
R-19165. 30 ohms	R-19175. 400 ohms
R-19166. 40 ohms	R-19176. 500 ohms
R-19167. 50 ohms	
List, \$1.75.	Your NET \$1.03
Price.....	

Carter Portable Volume Control

Speaker and Phonograph Pick-up Type



When connected across speaker in set it provides perfect control of tone and volume. Also ideal for electric phonograph pick-up control. Unusually sensitive. Black Bakelite case.

No. R-0341. List, \$1.47
\$2.50. Your NET Price.....

Aerial—Ground Type for A-C Sets

Provides delicate volume control in the new A-C sets. Equally effective on other receivers. Shunt across aerial and ground post. Wire wound, with "off" position. Total resistance, 1,000 ohms.

No. R-0342. List, \$1.18
\$2.00. Your NET Price.....



Muter Variable High Resistance

Controls oscillation and regulates quality of volume. Wire wound element is securely held in a nickel plated metal shell. Diameter, 1 1/2 in. Sliding arm gives uniform variation down to zero resistance.

No. R-19182. 1/2 Ohms	No. R-19185. 700 Ohms
R-19183. 1/4	R-19188. 1,000
R-19184. 30	R-19187. 2,000
List, \$1.00.	Your NET 59¢
Price.....	

Muter Variable High Resistance

Constructed the same as Muter Power Rheostat described above.

No. R-19177. 10,000 Ohms	No. R-19180. 200,000 Ohms
R-19178. 50,000 Ohms	No. R-19181. 500,000 Ohms
R-19179. 100,000 Ohms	
List, \$1.00.	Your NET 59¢
Price.....	

Pilot Resistograd



Continuously variable resistance from practically zero to 30 megohms. Resistance material is hermetically sealed in a case molded of special high temperature bakelite material. Widely used as a regeneration control, voltage regulator, volume control and variable grid leak.

No. R-1947. Pilot Resistograd. List, \$1.00.	Your NET Price..... 59¢
--	-------------------------

Pilot Adjustograd



A variable resistance from 0 to 1,000 ohms. for use in a grid and R. F. Circuit. Nicrome wire in a bakelite case, screw adjustment.

No. R-19208. List, 50c.	Your NET Price..... 29¢
-------------------------	-------------------------



CLAROSTAT

Volume Control

The ideal volume control for today's powerful, sensitive receivers. It is perfectly noiseless, smooth and always to be depended upon in action. No other device is quite so good for this use. In several turns of the knob, it provides a resistance range of from practically zero to 500,000 ohms. It has 8 watts current carrying capacity for the usual receiver applications, but is not intended for radio power units. One-hole mounting, tabs for connections. Can also be mounted on bracket, if desired. Shipping weight, 6 oz.

- No. R-2701. List, \$1.50. Your NET Price..... **88¢**
- Standard Clarostat**
- No. R-1915. Universal Range Clarostat. **\$1.32**
- List, \$2.25. Your NET Price.....
- Power Clarostat**
- No. R-1946. Power Clarostat. **\$2.06**
- List, \$3.50. Your NET Price.....
- Gridleak Clarostat**
- Gives accurate adjustment of resistances between 1/4 and 10 megohms.
- No. R-19138. Gridleak Clarostat. **88¢**
- List, \$1.50. Your NET Price.....
- Table Type Clarostat**
- Statory bronze and nickel finish. Used as volume and tone control. Range, 10 to 500,000 ohms.
- No. R-19139. Table Type Clarostat. **\$1.47**
- List, \$2.50. Your NET Price.....
- Duplex Clarostat**
- Consists of two separate and independent Clarostats in one case for sub-panel mounting. Adjusted by means of slotted screw shafts. Bracket supplied for base mounting. Range, 100 ohms to 5 megs. Capacity, 10 watts.
- No. R-19140. Duplex Clarostat. **\$1.32**
- List, \$2.25. Your NET Price.....

AMPERITE

The Self-Adjusting Rheostat



Amperite operates on the thermo-electric principle. This filament has the unique property of changing in resistance automatically as the "A" battery voltage changes. Furnished only complete with mounting.

No. R-1800. Type 1-A—1/4 Ampere Type—For the UV-201A; C-301A; UX-201A; CX-301A; UX-200A; CX-300A; or any 1/4 ampere, 5 volt tube on the 6 volt "A" battery.

No. R-1801. Type 112—1/2 Ampere Type—For the UX-112; CX-112; UX-171; CX-371 and similar tubes on the 6 volt battery.

No. R-1807. Type 120—For the UX-120 and the CX-220 on 4 1/2 volts (3 dry cells) or on the 4 volt storage battery.

No. R-1805. Type 4V-199—For the UV-199; C-299; UX-199; CX-299; DV-3 on 4 1/2 volts (3 dry cells) or on 4 volt storage battery.

No. R-1806. Type 6V-199—For the UV-199; C-299; UX-199; CX-299 and similar tubes on the 6 volt "A" battery.

No. R-1802. Type 3-A—3/4 Ampere Type—to control 3/4 ampere and 5 v. on 6 v. "A" battery.

No. R-1803. Type 4-A—1 Ampere Type—to control 1 ampere and 5 volts on the 6 volt battery.

No. R-1804. Type 5-A—to control 1 1/2 ampere and 5 volts on the 6 volt "A" battery.

No. R-1819. Type 622—for one 222 tube.

No. R-18524. Type 226—for one 226 tube.

No. R-18118. Type 227—to control one CX-327 or one UX-227.

No. R-18279. Type D-11—to control one WD or C11 or one WX or CX12 tube on 1 1/2 volt battery.

No. R-1894. Amperite Adapter, without Amperites. **41¢**

List, 70¢. Your NET Price.....

List, \$1.10. Your NET Price..... **65¢**

MUTER

Adjustable Resistance



A wire wound adjustable resistance unit giving all variations from 0 to 25 ohms. Size, 2 1/2 in. long, 3/4 in. wide. Packed in individual boxes.

No. R-18278. **12¢**

List, 20¢. Your NET Price.....

MUTER

Tubestat



Muter fixed rheostats protect and lengthen tube life and eliminate noisy circuits. Permanent resistance wire hermetically sealed in a glass tube. Black Bakelite base. Recommended only for audio or radio amplifying tubes.

No.	Description
R-18267	For 1-201A Tube with 6 volts, .25 amp.
R-18268	For 2-201A Tubes with 6 volts, .50 amp.
R-18269	For 3-201A Tubes with 6 volts, .75 amp.
R-18270	For 4-201A Tubes with 6 volts, 1.00 amp.
R-18271	For 1-199 Tube with 6 volts, .06 amp.
R-18272	For 1-199 Tube with 4 volts, .06 amp.

List, 50¢. Your NET Price.....



CARTER

Heavy Duty Resistors

H. Type

For mounting where height is limited. Dissipates 2 1/2 watts. Because this unit is practically non-inductive and has negligible distributed capacity it is ideal as a grid resistor (grid suppressor). Length, center to center, 1 1/4 inches.

Filament Resistors			
No.	Resistance	Use	
R-18417	1/2 Ohm	8-301A	Type
R-18418	1/2 Ohm	7-301A	Type
R-1981	1/2 Ohm	6-301A	Type
R-1980	3/4 Ohm	5-301A	Type
R-1979	1 Ohm	4-301A	Type
R-1978	1 1/2 Ohms	3-301A	Type
R-1877	2 Ohms	2-301A	Type
R-18419	6 Ohms	6-299	Type
R-1987	8 Ohms	5-299	Type
R-1986	10 Ohms	4-299	Type
R-18420	12 Ohms	Series Filament Sets	
R-1985	15 Ohms	3-299	Type
R-18421	18 Ohms	Series Filament Sets	
R-1984	20 Ohms	2-299	Type
R-1983	25 Ohms	2-299	Type
R-18422	30 Ohms	Series Filament Sets	
R-18423	36 Ohms	Series Filament Sets	

List, 25¢. Your NET Price..... **15¢**

Grid Resistors			
No.	Ohms	No.	Ohms
R-18424	100	R-18427	500
R-18425	200	R-1989	750
R-1990	300	R-1988	1,000
R-18426	400		

List, 30¢. Your NET Price..... **18¢**

No. R-18428. 2,000 Ohms. List, 40¢. Your NET Price..... **24¢**

Carter

Type E

Upright Resistors

Reduces 6 volt current to voltage requirements for different tube combinations listed. Practically non-inductive with negligible distributed capacity. Ideal as a grid resistor (grid suppressor); length, 1 1/4 inches.

Filament Resistors			
No.	Ohms	No.	Ohms
R-18429	1/2	R-18438	8
R-18430	3/4	R-18439	10
R-18431	1	R-18440	12
R-18432	1 1/2	R-18441	15
R-18433	2	R-18442	18
R-18434	1	R-18443	20
R-18435	2	R-18444	25
R-18436	4	R-18445	30
R-18437	6	R-18446	36

List, 25¢. Your NET Price..... **15¢**

Grid Resistors			
No.	Ohms	No.	Ohms
R-18447	100	R-18451	500
R-18448	200	R-18452	750
R-18449	300	R-18453	1,000
R-18450	400		

List, 30¢. Your NET Price..... **18¢**

No. R-18454. 2,000 Ohms. List, 40¢. Your NET Price..... **24¢**

No.	Description
R-18273	For 2-199 Tubes with 4 volts, .12 amp.
R-18274	For 3-199 Tubes with 4 volts, .18 amp.
R-18275	For 4-199 Tubes with 4 volts, .24 amp.
R-18276	For 1-UX-112 or CX-112 Tube, .50 amp.
R-18277	For 1-UX-120 or CX-220 Tube, .125 amp.

List, 29¢. Your NET Price.....

CARTER

Type C. E.

Center-Tapped

Upright Resistors

Dissipate 2 1/2 Watts. Particularly designed for A-C filament circuits. Minute accuracy assured. Length, 1 1/4 inches.

No.	Ohms	No.	Ohms
R-18455	5	R-18480	60
R-18456	10	R-18481	100
R-18457	15	R-18482	200
R-18458	20	R-18483	400
R-18459	40		

List, 50¢. Your NET Price..... **29¢**

Tapped Resistors			
No.	Ohms	No.	Ohms
R-18464	6	R-18467	20
R-18465	10	R-18468	40
R-18466	15	R-18469	60

No. R-18470. J. 5-15. Type 15 Ohms, tapped at 5 Ohms.

No. R-18471. J. 10-25. Type 25 Ohms, tapped at 10 Ohms.

List, 25¢. Your NET Price..... **15¢**

PILOT ABC

Resistance



Units

Wire Wound on Isolantite Tubing

Units only, not tapped, for all Eliminator circuits.

No.	Resistance	Ohms
No. R-18472	850	ohms.
No. R-18473	650	ohms.

List, 75¢. Your NET Price..... **44¢**

No.	Resistance	Ohms
No. R-18474	1,200	ohms.
No. R-18475	2,250	ohms.
No. R-18476	10,000	ohms.

List, 90¢. Your NET Price..... **53¢**

No. R-18477. Platts Model 960. B Power Resistance (4 Section). Resistances of 4,000, 3,650, 2,250 and 2,800 ohms. List, \$1.25. Your NET Price..... **73¢**

No. R-18478. Pilot Model 950 Resistor (illustrated). Tapped for 1,200, 725 and 470 ohms. List, \$1.40. Your NET Price..... **82¢**

No. R-18479. Pilot Model 959. Center Tapped 900 ohms. List, 75¢. Your NET Price..... **44¢**

No. R-18480. Pilot Model 961. Tapped 15 ohms. List, 75¢. Your NET Price..... **44¢**

YAXLEY

Resistance Units



Small in size, accurately rated. Provided with combination screw eye and soldering lug for mounting to panel or solder connectors. Furnished in sizes as follows:

No.	Ohms	No.	Ohms
R-18481	1	R-18490	10
R-18482	2	R-18491	15
R-18483	3	R-18492	20
R-18484	4	R-18493	25
R-18485	5	R-18494	30
R-18486	6	R-18495	40
R-18487	7	R-18496	50
R-18488	8	R-18497	60
R-18489	9		

List, 15¢. Your NET Price..... **9¢**

No.	Ohms	No.	Ohms
R-18498	100	R-18500	300
R-18499	200	R-18501	400

List, 25¢. Your NET Price..... **15¢**

Carter STEEL TUBE

Vitreous Enamelled Resistors



The resistance wire is wound on a steel tube which has been heavily coated with a special enamel. Then the steel terminals are securely fastened over wire at the ends. Several turns are covered with this rugged terminal insuring an unbreakable connection. The complete resistor is then coated with a heavy glass-like enamel. This special enamel, the steel tube, the wire and steel terminals have practically the same co-efficient of expansion. Enamel will not crack or peel under the most severe operating conditions. Heat has no damaging effect. These resistors overcome a big problem in A-C sets and power supply devices.

25 Watts—Type A Size 1/2 x 2 Inches

No. R-18242.. 100	No. Ohms	R-18244.. 300
R-18243.. 200		
List, 75c.	Your NET	44¢
Price.....		
No. Ohms	No. Ohms	
R-18245.. 500	R-18249.. 2,000	
R-18246.. 750	R-18250.. 2,500	
R-18247.. 1,000	R-18251.. 3,000	
R-18248.. 1,500		
List, \$1.00.	Your NET	59¢
Price.....		
No. Ohms	No. Ohms	
R-18252.. 3,500	R-18254.. 5,000	
R-18253.. 4,000		
List, \$1.10.	Your NET	65¢
Price.....		
No. Ohms	No. Ohms	
R-18255.. 7,500	R-18257.. 10,000	
R-18256.. 8,000		
List, \$1.15.	Your NET	68¢
Price.....		

50 Watts—Type B Size 1/2 x 4 Inches

No. R-19258.. 100	No. Ohms	R-19250.. 300
R-19259.. 200		R-19251.. 500
List, \$1.00.	Your NET	59¢
Price.....		
No. Ohms	No. Ohms	
R-19262.. 750	R-19264.. 1,500	
R-19263.. 1,000	R-19265.. 2,000	
List, \$1.10.	Your NET	65¢
Price.....		
No. Ohms	No. Ohms	
R-19266.. 3,000	R-19268.. 5,000	
R-19267.. 4,000		
List, \$1.15.	Your NET	68¢
Price.....		
No. R-19269.. 8,000 ohms.		
List, \$1.20.	Your NET	71¢
Price.....		
No. R-19270.. 10,000 ohms.		
List, \$1.30.	Your NET	76¢
Price.....		
No. R-19271.. 20,000 ohms.		
List, \$1.50.	Your NET	88¢
Price.....		

75 Watts—Type C. Size 1/2 x 6 Inches

No. R-19272.. 1,000 ohms.		
No. R-19273.. 2,000 ohms.		
No. R-19274.. 3,000 ohms.		
List, \$2.00.	Your NET	\$1.18
NET Price.....		
No. R-19275.. 5,000 ohms.		
List, \$2.25.	Your NET	\$1.32
NET Price.....		
No. R-19276.. 7,500 ohms.		
List, \$2.50.	Your NET	\$1.47
NET Price.....		
No. R-19277.. 10,000 ohms.		
List, \$2.75.	Your NET	\$1.62
NET Price.....		
No. R-19278.. 15,000 ohms.		
List, \$3.00.	Your NET	\$1.77
NET Price.....		
No. R-19279.. 20,000 ohms.		
List, \$3.25.	Your NET	\$1.91
NET Price.....		
No. R-19280.. 25,000 ohms.		
List, \$3.50.	Your NET	\$2.06
NET Price.....		
No. R-19281.. 50,000 ohms.		
List, \$3.75.	Your NET	\$2.21
NET Price.....		



Wire wound on Lavite core and specially treated with an insulating compound assuring uniform permanent capacities. Connecting lugs adjustable. Rating, 10 watts.

No.	Resistance	Size	List	NET
No. R-19303	500 ohms	3/8 in. x 1 1/2 in.	\$0.50	29¢
No. R-19304	750 ohms	3/8 in. x 1 1/2 in.	.50	29¢
No. R-19305	1,000 ohms	3/8 in. x 1 1/2 in.	.50	29¢
No. R-19306	2,000 ohms	3/8 in. x 1 1/2 in.	.50	29¢
No. R-19307	2,500 ohms	3/8 in. x 1 1/2 in.	.50	29¢
No. R-19308	5,000 ohms	3/8 in. x 5 in.	.75	44¢
No. R-19309	7,500 ohms	3/8 in. x 5 in.	.75	44¢
No. R-19310	10,000 ohms	3/8 in. x 5 in.	1.00	59¢
No. R-19311	15,000 ohms	3/8 in. x 5 in.	1.50	88¢
No. R-19312	20,000 ohms	3/8 in. x 5 in.	2.00	\$1.18

DURHAM METALLIZED RESISTORS

Metallized resistance element scientifically perfected, noiseless—accurate and permanent. Non-inductive and non-capacitative. A complete line for all resistance requirements.

Standard Grid Leak and Resistance Coupling

No. R-18329.....	.25 Meg.	
No. R-18330.....	.50 Meg.	
No. R-18331.....	1 Meg.	
No. R-18332.....	2 Meg.	
No. R-18333.....	3 Meg.	
No. R-18334.....	5 Meg.	
No. R-18335.....	7 Meg.	
No. R-18336.....	10 Meg.	
List, 50c.	Your NET Price.....	29¢
Price.....		
No. R-18337.....	75,000 Ohms	
No. R-18338.....	100,000 Ohms	
No. R-18339.....	200,000 Ohms	
List, 75c.	Your NET Price.....	44¢
Price.....		

Grid Suppressors
Prevents oscillation and stabilizes R. K. stages. Realizes amplification over entire of range coils.

No. R-18340..	500 Ohms.	
No. R-18341..	750 Ohms.	
No. R-18342..	1,000 Ohms.	
No. R-18343..	1,200 Ohms.	
No. R-18344..	1,500 Ohms.	
List, 75c.	Your NET Price.....	44¢
Price.....		

Durham Powerohms



1 Watt 1 1/2" Long
For Resistance Coupling, using UX-171 and UX-240 tubes, voltage dividers, etc.

No. R-18345..	1,000 Ohms.	
No. R-18346..	2,000 Ohms.	
No. R-18347..	5,000 Ohms.	
No. R-18348..	7,500 Ohms.	
No. R-18349..	10,000 Ohms.	
No. R-18350..	50,000 Ohms.	
No. R-18351..	100,000 Ohms.	
No. R-18352..	250,000 Ohms.	
List, 85c.	Your NET Price.....	50¢
Price.....		

2 1/2 Watts—1 3/8" Long
For Resistance Coupling, using UX-210 and UX-250 tubes, C Voltage drops, Liminator circuits and any place where 2 1/2 Watts Resistance is required.

No. R-18353..	1,000 Ohms.	
No. R-18354..	2,000 Ohms.	
No. R-18355..	5,000 Ohms.	
No. R-18356..	7,500 Ohms.	
No. R-18357..	10,000 Ohms.	
No. R-18358..	50,000 Ohms.	
No. R-18359..	100,000 Ohms.	
No. R-18360..	250,000 Ohms.	
List, \$1.00.	Your NET Price.....	59¢
Price.....		

5 Watts—2 1/2" Long
For general power work where separate units are used instead of a number of tapped resistors for economy.

No. R-18361..	1,000 Ohms.	
No. R-18362..	2,000 Ohms.	
No. R-18363..	5,000 Ohms.	
No. R-18364..	7,500 Ohms.	
No. R-18365..	10,000 Ohms.	
No. R-18366..	50,000 Ohms.	
No. R-18367..	100,000 Ohms.	
No. R-18368..	200,000 Ohms.	
List, \$1.25.	Your NET Price.....	73¢
Price.....		

DURHAM Vertical Mounting

Made of moulded insulation of exceptionally high resistance. Can be fastened by two holes in base to either panel or baseboard.

No. R-1891..	Resistor Mounting only.	29¢
List, 50c.	Your NET Price.....	29¢
No. R-1892..	Resistor and Condenser Mounting.	38¢
List, 65c.	Your NET Price.....	38¢



MUTER Special Resistances

Special permanent resistance element, sealed in heavy glass, plainly labeled with capacity. Nickered brass end caps fitting all standard mountings. Individually tested and guaranteed accurate.

No. R-18369..	1/2 Meg.	
No. R-18370..	1 Meg.	
No. R-18371..	2 Meg.	
No. R-18372..	3 Meg.	
No. R-18373..	4 Meg.	
No. R-18374..	5 Meg.	
No. R-18375..	6 Meg.	
No. R-18376..	7 Meg.	
No. R-18377..	10 Meg.	
No. R-18378..	1/4 Meg.	
No. R-18379..	1/2 Meg.	
List, 50c.	Your NET Price.....	29¢
Price.....		



Amsco Grid Gate
Supplied without Mountings.

No. R-18396..	.025 Meg.
No. R-18397..	.05 Meg.
No. R-18398..	.1 Meg.

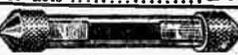
Grid Gates

No. R-18399..	.25 Meg.	
No. R-18400..	.5 Meg.	
No. R-18401..	1 Meg.	
No. R-18402..	2 Meg.	
No. R-18403..	3 Meg.	
No. R-18404..	5 Meg.	
No. R-18405..	6 Meg.	
No. R-18406..	7 Meg.	
No. R-18407..	10 Meg.	
List, 50c.	Your NET Price.....	29¢
Price.....		



TRIDOT Grid Leak
The Tridot Grid Leak is recognized by the trade as the leader in its line. Guaranteed to be accurate. Each one is tested individually and the material is the best obtainable. Unconditionally guaranteed in every respect.

No. R-18408..	1 Meg.	No. R-18413..	3 1/2 Meg.
R-18409..	1/2 Meg.	R-18414..	4 Meg.
R-18410..	2 Meg.	R-18415..	4 1/2 Meg.
R-18411..	2 1/2 Meg.	R-18416..	5 Meg.
R-18412..	3 Meg.		
List, 50c.	Your NET Price, single lots, 15c.		
100 Lots.....			12¢
100 Lots.....			10¢



Fixed Grid Leaks
A permanent resistance, sealed in a substantial glass tube plainly labeled with capacity. Nickered brass end caps. Fits standard mountings. Individually tested. Guaranteed accurate.

No. R-18380..	1/2 Meg.	No. R-18387..	6 Meg.
R-18381..	1 Meg.	R-18388..	7 Meg.
R-18382..	1 1/2 Meg.	R-18389..	10 Meg.
R-18383..	2 Meg.	R-18390..	1 1/2 Meg.
R-18384..	3 Meg.	R-18391..	3 1/2 Meg.
R-18385..	4 Meg.	R-18392..	1/2 Meg.
R-18386..	5 Meg.	R-18393..	1 1/2 Meg.
List, 25c.	Your NET Price.....		15¢
Price.....			



Grid Leak Mounting
Two powerful phosphor bronze nickered prongs mounted on Isolavite bases.

No. R-18119..	List 15¢	
25c.	Your NET Price.....	15¢



Grid Leak Mountings
Black Bakelite Bases.

No. R-18394..	Single.	9¢
List, 15c.	Your NET Price.....	9¢
No. R-18395..	Double.	21¢
List, 35c.	Your NET Price.....	21¢



Carter "P" Resistors

Wire wound on special bakelite base with turned lug terminals. Accurate within 10%. Being non-inductive and constant, they are suited for R. F. work as well as A. F. and "B" Eliminators.

Type P-5

Maximum Dissipation, 5 Watts. Mounting centers 1 1/4 inches.

No.	Ohms	List	NET
R-19280	50	40c	24c
R-19281	100	45c	26c
R-19282	200	45c	26c
R-19283	300	45c	26c
R-19284	400	45c	26c
R-19285	500	50c	29c
R-19286	600	50c	29c
R-19287	700	50c	29c
R-19288	800	50c	29c
R-19289	900	50c	29c
R-19290	1000	60c	35c
R-19291	3000	80c	47c
R-19292	5000	85c	50c

Type P-10

Maximum Dissipation, 10 Watts. Mounting Centers, 3/4 inches.

No.	Ohms	List	NET
R-19301	1,000	\$0.75	44c
R-19302	1,500	.80	47c
R-19303	2,000	.85	50c
R-19304	3,000	.90	53c
R-19305	5,000	.90	53c
R-19306	7,500	.90	53c
R-19307	10,000	1.00	59c

Type P-15

Maximum Dissipation, 15 Watts. Mounting Centers, 5/8 inches.

No.	Ohms	List	NET
R-19308	1,500	\$0.85	50c
R-19309	2,000	.85	50c
R-19310	3,000	.85	50c
R-19311	5,000	.90	53c
R-19312	7,500	.90	53c
R-19313	10,000	1.10	65c
R-19314	15,000	1.20	71c
R-19315	20,000	1.25	73c

Type P-20

Maximum Dissipation, 20 Watts. Mounting Centers, 7/16 inches.

No.	Ohms	List	NET
R-19317	2,000	\$1.00	59c
R-19318	3,000	1.05	62c
R-19319	5,000	1.10	65c
R-19320	6,000	1.15	68c
R-19321	7,500	1.15	68c
R-19322	10,000	1.20	71c
R-19323	12,000	1.20	71c
R-19324	15,000	1.20	71c
R-19325	17,500	1.35	79c
R-19326	20,000	1.50	88c

SLIDERS for any of above resistors extra. No. R-19328. List, 25c. Your NET Price..... 15c

Center Tapped "V" Resistance

Consists of two matched resistors riveted together, thus giving exact electrical center. For use with A-C tubes to obtain proper grid bias.

No.	Type	Ohms	Voltage
R-19329	V-10	10	3.5
R-19330	V-20	20	5.2
R-19331	V-30	30	6.3
R-19332	V-50	50	8.5
R-19333	V-80	80	11.0
R-19334	V-100	100	12.0
R-19335	V-150	150	15.0
R-19336	V-200	200	17.0

All Types, List, 75c. Your NET Each..... 44c

Phasatrol

A true balancing device for Radio Frequency Amplifiers. A combination of resistance and capacity. No. R-1578. Phasatrol. List \$2.75. Your NET Price. \$1.62



Electrad Variable Resistor

Single hole mount. Non-inductive, accurate and efficient.

R-19325. A. Variable grid leak, 7 to 7 meg. B. 0-100,000 Ohms. R-19326. C. 0-50,000 Ohms. R-19327. D. 0-700,000 Ohms. List, \$1.50. Your NET Price..... 88c

R-19329. E. Compensator 500,000 Ohms Potentiometer. List, \$2.00. Your NET Price..... \$1.18

R-19330. F. 0-2,000 Ohms. R-19331. G. 0-10,000 Ohms. R-19332. H. 0-25,000 Ohms. R-19333. J. 0-200,000 Ohms. R-19334. K. 0-5,000 Ohms. R-19335. L. 0-500,000 Ohms. List, \$1.50. Your NET Price..... 88c

No. R-19338. Bracket for Table Mounting. List, 35c. Your NET Price..... 21c



TRUVOLT Wire Grid Resistances

No.	Ohms	No.	Ohms
R-18120	5	R-18129	300
R-18121	10	R-18130	400
R-18122	15	R-18131	500
R-18123	25	R-18132	600
R-18124	40	R-18133	700
R-18125	50	R-18134	800
R-18126	75	R-18135	900
R-18127	100	R-18136	1000
R-18128	200	R-18136	1000

List, 25c. Your NET 15c

No.	Ohms	No.	Ohms
R-18137	1100	R-18142	1600
R-18138	1200	R-18143	1700
R-18139	1300	R-18144	1800
R-18140	1400	R-18145	1900
R-18141	1500	R-18146	2000

List, 40c. Your NET 24c

Wire Wound Fixed Resistances

Type	Ohms	Mils.	
R-18155	B-2	200	353
R-18156	B-3	300	389
R-18157	B-4	400	250
R-18158	B-5	500	224
R-18159	B-7.5	750	182
R-18160	B-8	800	177
R-18161	B-10	1000	158
R-18162	B-12.5	1250	141
R-18163	B-15	1500	129
R-18164	B-20	2000	112
R-18165	B-22.5	2250	105
R-18166	B-25	2500	100
R-18167	B-30	3000	91
R-18168	B-35	3500	84
R-18169	B-40	4000	78
R-18170	B-45	4500	75
R-18171	B-50	5000	71
R-18172	B-60	6000	64
R-18173	B-70	7000	60
R-18174	B-75	7500	59
R-18175	B-72	7200	58

List, 85c. Your NET Price. 50c

R-18176	B-80	8000	56
R-18177	B-90c	9000	53
R-18178	B-100	10000	50
R-18179	B-120	12000	45
R-18180	B-150	15000	41
R-18181	B-200	20000	35
R-18182	B-250	25000	32
R-18183	B-300	30000	29
R-18184	B-400	40000	25
R-18185	B-500	50000	22.5
R-18186	B-600	60000	20

ELECTRAD



Truvolt Variable Power Resistor

Ni chrome wire wound on asbestos cone giving maximum heat radiating surface.

No.	Ohms	No.	Ohms
R-19141	200	R-19149	3500
R-19142	300	R-19151	4000
R-19143	400	R-19152	5000
R-19144	500	R-19153	5000
R-19145	750	R-19154	5000
R-19146	1000	R-19155	5000
R-19147	1500	R-19156	5000
R-19148	2000	R-19157	5000

List, \$3.50. Your NET Price, any size \$2.06

No. R-19336. Bracket for Baseboard Mounting. List, 15c. Your NET Price..... 9c

No. R-19337. Bracket for Sub-Panel Mounting. List, 15c. Your NET Price..... 9c

It Pays to Use the Best Resistances in Radio Building!

TRUVOLT Divider

A universal Voltage Separator. Takes the guess out of eliminator building and makes their construction very simple. Reduces wiring to minimum and eliminates need of voltage regulator tubes. Designed and calibrated so that proper "B" Voltages and "C" Bias Voltages can be obtained with any power supply in combination with any set. Attractive ventilated bakelite case. Mounts any way on any sub-panel and has binding posts for all "C" and "B" voltages. Complete instructions furnished.



No. R-19156. List, \$12.50. Your NET Price..... \$7.35

Type D, 75 Watts

No.	Type	Ohms	Mils.
R-18220	D-2	200	610
R-18221	D-3	300	500
R-18222	D-4	400	432
R-18223	D-5	500	387
R-18224	D-7.5	750	316
R-18225	D-8	800	306
R-18226	D-10	1000	274
R-18227	D-12.5	1250	245
R-18228	D-15	1500	224
R-18229	D-20	2000	194
R-18230	D-22.5	2250	182
R-18231	D-25	2500	173
R-18232	D-30	3000	158
R-18233	D-40	4000	137
R-18236	D-50	5000	122

List, \$1.85. Your NET... \$1.09

R-18237 D-60 6000 112

List, \$1.90. Your NET... \$1.12

R-18239 D-72 7200 102

List, \$1.95. Your NET... \$1.15

R-18240 D-75 7500 100

List, \$2.00. Your NET... \$1.18

R-18241 D-80 8000 97

List, \$2.00. Your NET... \$1.18

R-18243 D-100 10000 87

List, \$2.25. Your NET... \$1.32

R-18245 D-150 15000 71

List, \$2.50. Your NET... \$1.47

R-18246 D-200 20000 61

List, \$2.50. Your NET... \$1.47

R-18247 D-250 25000 55

List, \$2.65. Your NET... \$1.56

R-18250 D-500 50000 39

List, \$2.75. Your NET... \$1.62

R-18251 D-600 60000 35

List, \$2.80. Your NET... \$1.65

No. R-18550 D-100 10000 87

List, \$3.00. Your NET... \$1.76

No. R-19339. Sliding Taps for Resistances. List 10c. Your NET Price..... 6c

**Silver-Marshall Sockets
Model 511**



A standard 4 prong socket taking all types of battery or A. C. tubes with UX bases. Made of genuine black Bakelite, presenting a very attractive appearance. The springs are made of best quality phosphor bronze to insure contact. Size 1 1/4 x 3/4 inches.

No. R-2411. List 50c. **29¢**
Your NET Price.....

Model 512

Made exactly the same as Model 511 (described above) except that it is for use with the 5 prong base A. C. Tubes.

No. R-2415. List, 60c. **35¢**
Your NET Price.....



**SOCKETS
Full Floating**

Rugged, sturdy, and set so delicately balanced—so isolated from mechanical shock that microphonics are positively eliminated. Contact springs are phosphor bronze and provide a positive grip.

No. R-2422. Amsco Floating Socket. List, 60c. **35¢**
Your NET Price.....



Universal

Justly termed a "socket of merit." The prongs are of the best fade phosphor bronze and provide a bulldog grip.

No. R-2423. Amsco Universal Socket. List, 35c. **21¢**
Your NET Price.....



**REMLER
Ballast Shields**

Remler Model 55. Especially made for the new shielded grid tubes. To prevent electrostatic pickup by the tube elements and to increase mechanical inertia of the tube so the microphonic

tion and "howling" are eliminated. Improves selectivity and stability. Consists of a heavy die cast body, into which the base of the tube fits, and a formed copper shell, which fits over the proper and screws onto the base. Suitable for 201A, as well as 222 Shield Grid Tubes.

No. R-2461. List, \$2.00. Your NET **\$1.18**

No. R-2470. Remler Model 56 Tube Shield. Consists of copper shell only and does not have heavy ballasting die cast base. List, \$1.00. Your NET **59¢**
Price.....



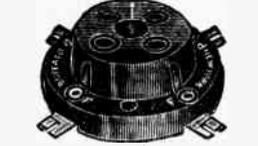
**Sub-Panel
Sockets**

Manufacturers' type. May be mounted either on top or bottom of metal or Bakelite Sub-Panel. Strong spring grip contacts mounted on 1/16 inch Bakelite base.

Rugged, strong, neat and compact. Makes a factory-like appearing job. Size overall, 2 1/4 x 1 1/2 inches.

No. R-2477. For 4 Prong Tubes. List, 20c. **10¢**
Your NET Price.....

No. R-2478. For 5 Prong Tubes. List, 25c. **12¢**
Your NET Price.....



BUFFALO Sockets

Can be used with any tube, either old or new style base. Minimum losses from insulation and contact resistances. Sturdy, mechanical construction, neat, and adaptable. Made of genuine bakelite and phosphor bronze springs of correct design and tension. An exceptional value.

No. R-2407. Buffalo Socket. List, 25c. Your NET **15¢**
Price.....

**REMLER
Tube Case**

Model 54. A die casting, finished in copper and lined with felt. Designed to slip over 199 type tubes. Acts as an electrostatic shield, which provides improved selectivity and stability of operation. Also prevents microphonic vibration.

No. R-2460. List, \$1.00. Your NET Price... **59¢**

**PILOT Sockets
Sub-Panel**

Genuine Bakelite. Will take UV, UX and UY tubes. Self locating prong guide.

No. R-2473. For 4 prong tubes. **12¢**
List, 20c. Your NET Price.....

No. R-2474. For 5 Prong Tubes. **15¢**
List, 25c. Your NET Price.....



New Model

Genuine Bakelite. Wiring can be done below or above panel. Solder direct to terminals. Will take UV, UX and UY tubes.

No. R-2475. For 4 Prong Tubes. List, 35c. **21¢**
Sub-Panel Your NET Price.....



New Model



Shock Proof

No. R-2476. For 5 Prong Tubes. List, 40c. **24¢**
Your NET Price.....

Shock-Proof Universal Socket
Is cushioned on four specially tempered springs which act as shock absorbers. Accommodates all standard UV and UX tubes. No. R-2420. Pilot Socket. List, 50c. Your NET Price... **29¢**

**BENJAMIN
CLE-RA-TONE SOCKET
CLEARER RADIO TONE**

Shock absorbing, non-microphonic. Prevents Model 9044
outside vibrations from becoming microphonic nuisances. Compact—all moulded bakelite. One piece suspension and contact spring—no high resistance joints.

Tube holding element on all models, "floats." Model 9044
UX Type without mounting base.
For direct panel mount. Drill template and machine screws with nuts for attaching, furnished.

No. R-2401. Cle-Ra-Tone Socket for 3/16 in. Sub-panel. List, 50c. Your NET Price..... **29¢**

Model 9049
No. R-2402. Cle-Ra-Tone Socket similar to Model 9044, but for 1/8 in. Sub-panel. List, 50c. Your NET Price... **29¢**

Model 9037
New "Y" Types for 5 prong A-C Tubes. Terminals plainly marked for easy wiring. No. R-2419. For Sub-panel mount. List, 75c. Your NET **44¢**
Price.....

Model 9036
No. R-2418. For Baseboard Mount. List, \$1.20. Your NET **71¢**
Price.....

Model 9040
Cle-Ra-Tone Push Type Socket for new UX tubes, will accommodate old style bases, excepting the UV 199. No. R-2400. List, 75c. **44¢**
Your NET Price.....



**Carter
Shielded Grid Tube Shields**

Fits over all 222 Type Shielded Grid Tubes; completely covers tube down to sub-panel, also enclosing top connector.

Fits snugly around sockets, whose bases extend above sub-panel. One piece with ornamental cap. Rich, dull copper finish. Outlet hole at top for shielded wire connector.

No. R-2462. Tube Shield only. List, \$1.80. Your NET **88¢**
Price.....

No. R-2464. Carter Connector Cap only. Spring brass slotted to slip onto top of shielded grid tube. List, 25c. Your NET **15¢**
Price.....

No. R-2463. Carter Shielded Connector and Cord. List, 29¢
50c. Your NET Price.....

No. R-2465. Carter Adaptor Ring for fitting the tube shield over sub-panel style sockets. List, 35c. Your NET Price... **21¢**



FROST Sockets

Genuine moulded bakelite. Equipped with special heavy tension German Silver Contact Springs. Springs make contact over entire length of tube prongs. Soldering lugs and lock nuts.

No. R-2406. Model 530. List, 40c. Your NET **24¢**
Price.....

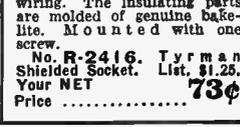
No. R-2479. Model 531. Made with connecting screws projecting through bottom of socket for sub-base wiring. List, 40c. Your NET Price... **24¢**



New Improved Tyrman Shielded Socket

The shields are drawn of heavy aluminum stock, which, being a good heat conductor, will keep the temperature constant by taking up the heat created by the filaments and radiating it uniformly. Base-board mounting, as well as sub-panel wiring. The insulating parts are molded of genuine bakelite. Mounted with one screw.

No. R-2416. Tyrman Shielded Socket. List, \$1.25. Your NET **73¢**
Price.....



The New EBY Socket

Has three-point wiping spring contact, the full length of the prong—the most scientifically perfect type of contact known.

Beautifully moulded in Phenolic material, easily mounted either above or below Bakelite, metal or wood panels.

No. R-2425. New Eby Socket. List, 40c. **24¢**
Your NET Price.....

No. R-2428. New Eby UY 5 Prong Socket. List, 50c. Your NET Price... **29¢**

REMLER Improved Socket

Designed for use with X type standard base tubes. Made of moulded bakelite. Full floating high tension springs, allow smooth in and out pull. Large surface of contact makes it ideal for filament current of A-C tubes.

No. R-2480. List, 50c. Your NET Price... **29¢**

SM

New Silver-Marshall Vernier Drum Dials

Assure that rich and distinctive finishing touch. Sentitive and smooth in operation.

Vernier Drum Dial S-M 806L

A left-hand drive dial with beautiful gold etched scale. Positive in action. No backlash. Walnut knob. Complete without panel window.

No. R-2163, S-M Dial 806L.
No. R-2168, S-M Dial 806R. Same dial, except for right hand drive. **\$1.47**

List, \$2.50. Your NET Price.....

Drum Dial Window S-M 807

Single drum dial window for above dials. Attractive antique brass finish.

No. R-2170. List, 50c. Your NET Price. **29¢**

Single Control Escutcheon S-M 808

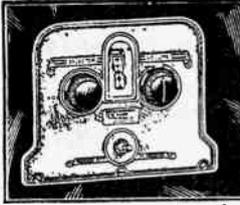
Antique brass control panels for one dial. Combined volume control and on-off switch. and sensitivity control. 6 3/4 in. high x 8 in. long.

No. R-2171. List, \$2.25. Your NET Price..... **\$1.32**

Dual Control Escutcheon S-M 809

Antique brass control panel for 2 dials and 2 auxiliary controls. Used on S-M 720 and 740 receivers. 6 3/4 in. high x 8 7/8 in. long.

No. R-2172. List, \$2.75. Your NET Price..... **\$1.62**



New PILOT Knob Control Drum Dials



Smooth running metal to bakelite drive. Rich bronze front plates. Drums of polished bakelite. Walnut bakelite knobs.

Double Illuminated Drum

No. R-2185. No Lamp. **\$3.23**

List, \$5.50. Your NET Price.....

No. R-2186. With 6 V. Bulb. **\$3.38**

List, \$5.75. Your NET Price.....

Single Illuminated Drum

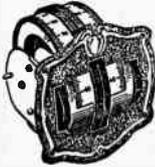
No. R-2183. No Lamp. **\$1.76**

List, \$3.00. Your NET Price.....

No. R-2184. With 6 V. Bulb. **\$1.91**

List, \$3.25. Your NET Price.....

PILOT Drum Dials



With large direct drive wheel. Single or ganged condenser or any combination can be mounted on both sides of single or double dials.

No. R-2187. Single, Right. List, \$4.00. **\$2.35**

No. R-2189. Double. List, \$7.00. Your NET Price..... **\$4.12**

PILOT Art Dial

A 20th century artistic product that will dress up any set. This velvet-vernier tuning control adds efficiency and beauty to any radio set. Made the substantial Pilot way and will easily carry "gang" condensers without slippage or backlash. White and black figures in combination adapt the Art-Dial to clockwise or counter-clockwise condensers.

No. R-2184. Black Bakelite. List, 95c. Your NET Price..... **56¢**

No. R-2188. Walnut Bakelite. List, \$1.10. Your NET Price..... **65¢**



NATIONAL Velvet Vernier Drum Dial



Velvety, smooth and beautiful. Positive in action. Fits any 3/4 in. shaft. No drilling of sub-panel. Template for drilling included.

No. R-2162. Black Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2164. Walnut Knob. List, \$4.00. Your NET Price.....

Above Disc Illuminated. No. R-2163. Black Knob. List, \$4.50. Your NET Price..... **\$2.65**

No. R-2165. Walnut Knob. List, \$4.50. Your NET Price.....

New NATIONAL Vernier Dial



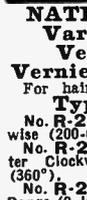
An artistic and distinctive dial that drives condenser in a plane perpendicular to front panel.

No. R-2192. 0-100-0. List, \$2.75. Your NET Price..... **\$1.62**

No. R-2193. 200-0. List, \$2.75. Your NET Price.....

No. R-2194. Illuminator for above dials. List, 50c. Your NET Price..... **29¢**

NATIONAL Variable Velvet Vernier Dials



For hairline tuning. Type B

No. R-2148. Clockwise (200-0) (360°). List, \$2.50. Your NET Price..... **\$1.47**

No. R-2149. Counter Clockwise (0-200) (360°). List, \$2.50. Your NET Price.....

No. R-2150. Dual Range (0-100-0) (180°). List, \$2.50. Your NET Price..... **\$1.47**

No. R-2195. Complete. List, 50c. Your NET Price..... **29¢**

Dial Illuminator and Bracket

Same as "B" except is fitted with 6 V. bulb which illuminates scale from rear.

No. R-2151. Clockwise (200-0). List, \$3.00. Your NET Price..... **\$1.76**

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price..... **\$1.76**

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

No. R-2153. Dual Range (0-100-0). List, \$3.00. Your NET Price.....

For Better Radio
Hammarlund
PRECISION
PRODUCTS

New Knob Control Vernier Dial



Gives to any receiver the professional stamp of aristocracy. A richly embossed oxidized bronze escutcheon of exclusive and graceful design. The translucent celluloid scale is illuminated from back. Driving mechanism uses strong silk and linen cord with snubber-like grip on drum. Under actual working conditions this cord withstood 36,600 full range movements of

large multiple condenser without stretching, breaking or fraying. Knurled knob which can be placed a ny distance from con-

denser on panel for attractive balance. Complete with black knob, template, electric bulb, mounting screws and full instructions.

No. R-2196. With Black Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

Shows Clever Construction

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

No. R-2197. Same as above, but with Walnut Knob. List, \$4.00. Your NET Price..... **\$2.35**

New TYRMAN Drum Dials

These Drums, using worm gear drive, are efficient, beautiful and universal in application. Almost every condenser fits them without filing. An insulated mounting for condenser provided; also insulated coupling disc which prevents body capacity.

Tyrman Illuminated Double Drum

Completely assembled. Tuning condenser connected by fastening set screw. With 2 matched knobs for tuning and one for volume control.

No. R-2190. List, \$12.00. Your NET Price..... **\$7.06**

Tyrman Illuminated Single Drum

Same general design as Double except knob for volume is on left, so only 2 knobs are needed. Complete with 2 matched knobs.

No. R-2191. List, \$8.00. Your NET Price..... **\$4.70**

PILOT Back of Panel Dial Light

Illuminates dials and acts as trouble lamp inside cabinet. Uses negligible "A" current. Complete with bulb.

No. R-2199. List, 45c. **26¢**





Tyrman Vernier Drum Dial

Beautiful escutcheon encloses drum and vernier. Center knurl enables fast tuning in single movement, vernier on side provides hairline adjustment. No "backlash" smoothest action. Universal condenser mounting.

No. R-2139. List, \$5.00. **\$2.94**



Pilot Illuminated Vernier Drum Dial

Bronze plate handsomely embossed in relief. Rich looking. Drilling template and instructions furnished with each dial.

No. R-2175. Pilot Illuminated Vernier Drum Dial with bulb. List, \$2.15. Your **NET Price... \$1.26**

Pilot Kilograd Vernier Dial

Outer scale divided into 100 units anti-clockwise, while inside is clockwise scale. Bakelite case with nickel trim. Diameter, 4 in. for 1/2 in. shaft.

No. R-2106. List, \$1.00. Your **NET Price... 59¢**



Kurz-Kasch Aristocrat Dials

Housing measures 4x 4 1/4 inches. Ratio 14 to 1. Continuous motion. Smooth velvet vernier action. Black or walnut finish.

No. R-2109. 200-0 Black. List, \$2.00. Your **NET Price... \$1.18**

No. R-2112. 200-0 Walnut. List, \$2.13. Your **NET Price... \$1.18**

New 2 3/4-Inch Size
No. R-21100. 100-0-100.
No. R-21101. 100-0-100 with Translucent Plate for illumination. List, each, \$1.25. Your **NET Price... 73¢**



K-K Tuning Knob

Genuine Bakelite. Neat plain stippled top. 1 1/4 in. diameter.

No. R-21102. K-K Tuning Knob, Black. List, each, 20c. Your **NET Price... 12¢**

K-K Control Knob

Genuine Bakelite. 1 1/4 in. diameter.

No. R-21104. K-K Control Knob, Black. List, each, 15c. Your **NET Price... 9¢**



Rheostat Knobs

1 1/2 in. Arrow Knob. 1/4 in. thread, with Set Screw. No. R-2108. Black. List, each, 20c. Your **NET Price... 12¢**



New Drum Vernier Dial

This new Mar-Co creation is positively the Rolls-Royce of radio dials. Enhances the appearance of any receiver and is just the unit to enrich a quality set. The rich dignity of the dark copper and bronze effect escutcheon is conspicuously free from the commonplace. A steel cable prevents back lash and precludes lost motion. A vernier dial that is beautiful, precise, speedy and smooth.

No. R-2176. Mar-Co Type 400. NEW Vernier Drum Dial. List, \$3.50. Your **NET Price... \$2.06** with Bulb.



Mar-Co Vernier Dial

Double tuning scale tells at a glance exactly where the dial is set. Upper scale marked every 10 divisions while lower scale reads each division. Uses the celebrated Mar-Co friction drive that banishes lost motion

and makes tuning easier. The ideal Vernier dial, far more precise, far speedier and more beautiful than the dials of the past. Either illuminated or not, as preferred. Shipping weight, 1 1/2 lbs.

No. R-2157. Mar-Co Dial. List, \$2.50. Your **NET Price... \$1.47**

No. R-2158. Illuminated Type. List, \$3.00. Your **NET Price... \$1.76**

Mar-Co 4 In. Vernier Dials

Non-microphonic. Absolutely no back-lash. Place for filling in station letters. One hole mount. Metal template supplied.

No. R-2120. 0-100 Bk. Bakelite, nickel finish. List, \$1.50. Your **NET Price... 88¢**

No. R-2122. 360° Bk. Bakelite, nickel finish. List, \$2.50. Your **NET Price... \$1.47**

No. R-2126. 0-100 and 100-0 on same dial. 3 in. size, nickel. List, \$1.10. Your **NET Price... 65¢**

Mar-Co Illuminated Control

Easy to mount. Nickel finish throughout. Furnished complete as follows: 1 control mechanism with universal mounting bracket; 1 light switch; 1 gold indicator lamp; 1 celluloid printing dial; 1 template and instruction book.

No. R-2124. 0 to 100 with bakelite bezel. List, \$3.00.

No. R-2125. 100 to 0 with bakelite bezel. List, \$3.00.

Your **NET Price... \$1.76**

No. R-2123. With embossed ornamental panel plate 0 to 100. List, \$3.50. Your **NET Price... \$2.06**

No. R-2144. With embossed ornamental panel plate 100 to 0. List, \$3.50. Your **NET Price... \$2.06**

360° Type
Same as above, except 360° for Remler, National and similar condensers.

No. R-2145. With bakelite bezel. List, \$3.00. Your **NET Price... \$1.76**

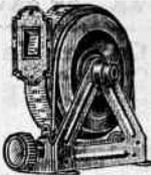
No. R-2146. With embossed ornamental panel plate. List, \$3.50. Your **NET Price... \$2.06**

Genuine Bakelite Dials

Real bargains in quality dials. Genuine moulded bakelite. Bright black or walnut finish. Scales in contrasting white. Large deep fluted knob insures positive action.

No. R-2177. Diameter, 4 in. Black. List, 50c. Your **NET Price... 29¢**

No. R-2178. Diameter, 4 in. Walnut. List, 60c. Your **NET Price... 35¢**



HALLDORSON DIAL

and Control Escutcheon Plate



Handsomely engraved escutcheon finished in bronze. 2 control holes in addition to dial controls. Off position shown alongside one hole so filament switch may be mounted behind rheostat, giving equivalent of 3 auxiliary controls. Escutcheon mounts on steel or wood panel. New drum type dials with smooth running drive. Light behind black figures shows through white celluloid.

No.	List	NET
R-2179. 2 Dial Escutcheon	\$ 2.75	\$ 1.62
R-2180. 1 Dial Escutcheon	2.50	1.47
R-2181. 2 Drum Dials and 2 Dial Escutcheon	11.75	6.91
R-2182. 1 Drum Dial and 1 Dial Escutcheon	7.00	4.12

Citizen's Radio Call Book

Latest data on all broadcasting stations in world. Wonderful picture section and illustrated construction articles on building all latest circuits.

No. R-3202. Sept., 1928, Edition.

No. R-3217. Nov., 1928, Edition.

List, 50c. Your **NET Price... 32¢**



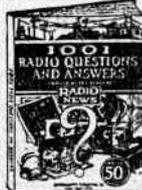
Popular Radio Books

Famous for valuable information. No. R-3205. 1001 Radio Questions and Answers. List, 50c. Your **NET Price... 32¢**

No. R-3208. 150 Radio Hook-Ups.

No. R-3209. Radio Trouble Finder.

No. R-3218. Modern Loud Speakers. List, each, 25c. Your **NET Price... 16¢**



Drake's Radio Encyclopedia

Complete, non-technical reference work covering 1700 subjects. Shows how to build, operate and test receivers, power units, etc. 871 Pages, 985 Illustrations. No. R-3219. List, \$5.00. Your **NET Price... \$4.41**



S. GERNSBACK'S Radio Encyclopedia

Written in plain English. All circuits, new and old, are described by word and picture and every part used in radio is explained.

No. R-3211. List, \$2.00. Your **NET Price... \$1.47**



Switches and Jacks



CARTER "Imp" Power Switches

Compact, rugged. Self-contained. Metal parts insulated. Quarter turn snap action. For 6-volt battery or 110-volt circuit. Mounts $\frac{3}{8}$ inch hole. "On" and "Off" Panel plate.

No. R-2535. List, 75c. **44¢**
Your NET Price.....

Carter New No. 115 Automatic Power Switch. For switching charger off. "B" supply on and closing filament circuit. Replaces relays. Will control any type "A" or "B" supply. 1 $\frac{1}{2}$ x1 in.; projects $\frac{1}{2}$ in. back panel. Mounts $\frac{3}{8}$ in. hole.

No. R-2536. List, \$1.50.
Your NET Price..... **88¢**

Carter Jack Switches

Complete with moulded knob, pointer and "On and Off" plate.

No. R-2529. Single Pole, Single Throw No. 2. List, 75c. **44¢**
Your NET Price.....

No. R-2560. Single Pole, Double Throw No. 3. List, 90c. **53¢**
Your NET Price.....

No. R-2561. Double Pole, Single Throw No. 4. List, \$1.00. **59¢**
Your NET Price.....

No. R-2562. Double Pole, Double Throw No. 6. List, \$1.25. **73¢**
Your NET Price.....

Carter Short Jack Switches

1 $\frac{1}{2}$ in. long. projects back of panel $\frac{1}{2}$ in. Frames insulated. New metal knobs. Complete with "On and Off" name-plate.

No. Type Your NET List Prices

R-2539. Model 2. A filament switch. Two springs, opens and closes 6 volt battery. 500 **29c**

R-2540. Model 22. Two positions, 3 springs, opens and closes one contact. 600 **35c**

R-2541. Model 44. Two positions, four springs, closes two contacts. 700 **41c**

R-2542. Model 66. Two positions, six springs, opens two and closes two contacts..... 900 **53c**



YAXLEY Midget Battery Switch



Small in size and thoroughly dependable with its quick make and break.

No. R-2510. Yaxley No. 10. Complete with name plate. List, 50c. **29¢**
Your NET Price.....

Yaxley Aerial Switch. Same except single pole double throw for switching from long to short aerial or vice versa.

No. R-2511. List, 65c. **38¢**
Your NET Price.....

Yaxley Junior Jack Switches



No. R-2527. 720 Battery Switch. List, 70c. **41¢**
Your NET Price.....

No. R-2528. 730 Two Circuit. List, 85c. Your NET **50¢**
Price.....

No. R-2529. 740 Double Circuit. List, 95c. **56¢**
Your NET Price.....

No. R-2530. 745 Five Spring. List, \$1.10. Your NET Price..... **65¢**

No. R-2531. 760 Two-Way Two-Circuit. List, \$1.20. **71¢**
Your NET Price.....

YAXLEY Junior Jacks



Full weight springs. silver contacts. Extends 1 $\frac{1}{2}$ in. behind panel. Takes any standard radio plug.

No. R-2812. 701 Open Circuit. List 40c. Your NET Price **24¢**

No. R-2813. 702 Circuit Closing. List 55c. Your NET Price **32¢**

No. R-2814. 702A Two Circuit. List 55c. Your NET Price **32¢**

No. R-2815. 703 Single Circuit. Filament Control. List 65c. **38¢**
Your NET Price.....

No. R-2816. 703A Circuit Reversing. List 65c. Your NET Price..... **38¢**

No. R-2817. 703C Double Circuit. List 65c. Your NET Price..... **38¢**

No. R-2818. 704 Interstage. List 75c. Your NET Price..... **44¢**

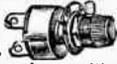
No. R-2819. 704A Two Circuit. Filament Control. List, 75c. **44¢**
Your NET Price.....

No. R-2820. 705 Two Circuit. Filament Lighting. List, 85c. **50¢**
Your NET Price.....

No. R-2821. 706 Interstage Filament Control. List 95c. **56¢**
Your NET Price.....

No. R-2822. 707 Interstage Filament Lighting. List \$1.05. **62¢**
Your NET Price.....

Carter "Imp" Battery Switch



Quarter turn snap switch makes positive contact. Compact and quiet. One hole mount $\frac{7}{8}$ inch hole in $\frac{1}{2}$ to $\frac{3}{4}$ inch panel. "On and Off" panel plate.

No. R-2537. List, 65c. **38¢**
Your NET Price.....

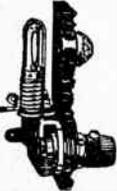
Benjamin Switch



A simple positive-acting push-pull battery switch. Very reasonably priced.

No. R-2500. List 30c. **18¢**
Your NET Price.....

YAXLEY Pilot Switch



The signal light shows whether the set is on or off. Saves a needless drain on batteries and lengthens life of tubes by showing the set is on after the station has signed off.

No. R-2532. Type 210 Pilot Light Switch. List, 75c. **44¢**
Your NET Price.....

No. R-045B. Lamps extra. List, 30c. **18¢**
Your NET Price.....

Yaxley 2-Stage Switch

Two Stage Filament Switch is used for controlling the filament first and second audio stages with one switch. Turned to left, the switch is off. The center position cuts in the first audio stage. Turned to right, the switch cuts in the first and second audio stages.

No. R-2521. Two Stage Switch (Voltmeter Switch Frame as illustrated). List, \$1.25. Your NET Price..... **73¢**

No. R-2522. 695 Two Stage Switch (Straight Frame). List, \$1.25. Your NET Price..... **73¢**

YAXLEY Inductance Switches



Measuring but 1 $\frac{1}{2}$ inches across, this little switch answers every requirement for a dependable tap switch. Perfect contact assured. Furnished complete with neat dial plate and Bakelite knob.

Model	Point	NET
No. R-2523.	44 4 Point.....	75c 44¢
No. R-2524.	70 7 Point.....	80c 47¢
No. R-2525.	90 9 Point.....	90c 53¢

Carter "Imp" Inductance Switches



A small, reliable inductance switch for the new circuits. Mounts in $\frac{3}{8}$ inch hole on $\frac{1}{2}$ or $\frac{3}{4}$ in. panels.

No.	Type	List	Your NET Price
R-2563.	4 Point.....	\$1.00	59¢
R-2564.	5 Point.....	1.05	62¢
R-2565.	7 Point.....	1.15	63¢
R-2566.	9 Point.....	1.25	73¢

Carter Radio-Phonograph Switch



This switch is 3 position horizontal type, used in receivers to switch from "Radio" to "Phonograph." makes 3 in left position, 2 in right position. Center position "Off." Model 3D 5D

No. R-2571. List \$1.50. **88¢**
Your NET Price.....

Carter Tip Jacks



Small, neat, reliable. Heavy spring contact insures positive connection with phone cord tips. Mounts in $\frac{3}{4}$ in. hole.

No. R-2899. List, 6¢
10c. Your NET Price.....

Carter "Short" Jacks



Mount in $\frac{3}{8}$ in. hole on $\frac{1}{2}$ to $\frac{3}{4}$ in. panels. Take standard plug.

No. R-2845. No. 1—Open Circuit. List 25c. **15¢**
Your NET Price.....

No. R-2848. No. 2A—Single. Closed Circuit. List 30c. **18¢**
Your NET Price.....

Midget Jack

Serves same purpose as the Pup Jack but a trifle larger.

No. R-2811. List 30c. **18¢**
Your NET Price.....

Midget Plug

Serves same purpose as the Pup Plug but a trifle larger.

No. R-2823. List 15c. **9¢**
Your NET Price.....

Carter "Imp" Jack

Mount in $\frac{3}{8}$ in. hole. Rugged and dependable.

No. R-2844. List 30c. **18¢**
Your NET Price.....

Carter "Imp" Plug

Fits any tip jack. Easily attached without solder or tools.

No. R-2854. List 15c. **9¢**
Your NET Price.....

Yaxley Pup Jack

Easy to mount on front, sub or rear panel. Mount in $\frac{3}{8}$ in. panel hole.

No. R-2825. Model 416 Pup Jack. List per pair, 25c. **15¢**
Your NET Price.....

Yaxley Pup Plug

Designed especially for use with the Pup Jack and to serve as a Phone Tip without soldering.

No. R-2824. Model 415. List 10c. Your NET Price..... **6¢**

Yaxley Red and Black Phone Tip Jacks

The insulated cap makes this Jack especially desirable for phone tips and other purposes. The colored caps—red for positive and black for negative—will prove of great convenience. Mounts in 1/4 in. panel hole.

No. R-2848. List, per pair, 25c.
Your NET Price..... **15¢**



Baby Knife Switches

For case or panel mounting. Bakelite bases 1 1/4 in. long. Highly nickel plated blades and posts.

No. R-2567. Single pole, single throw. List, 15c.
Your NET Price..... **9¢**

No. R-2568. Single pole, double throw. List, 25c.
Your NET Price..... **15¢**

No. R-2569. Double pole, double throw. List, 40c.
Your NET Price..... **24¢**

MUTER Knife Throw Switches



Black molded Bakelite base. High-nickel brass contact with moulded insulated handles. Specially adapted for connection of battery circuits with surface mountings.

No. R-2544. Single pole, double throw. List, 60c.
Your NET Price..... **35¢**

No. R-2545. Double pole, double throw. List, 85c.
Your NET Price..... **50¢**

No. R-2546. Triple pole, double throw. List, \$1.25.
Your NET Price..... **73¢**

No. R-2547. Five pole, double throw. List, \$2.00.
Your NET Price..... **\$1.18**



HOLD-TITE Quarter JACKS

No. R-2855. Model 101. One Springs, Open Circuit. List, 50c.
Your NET Price..... **29¢**

No. R-2856. Model 102. Two Springs, Closed Circuit. List, 55c.
Your NET Price..... **32¢**

No. R-2857. Model 102A. Two Springs, One Break Contact; Frame Insulated. Closed Circuit. List, 80c.
Your NET Price..... **35¢**

No. R-2858. Model 103. Three Springs, Single Filament Control. List, 70c.
Your NET Price..... **41¢**

No. R-2859. Model 103A. Three Springs; makes one and breaks one Contact. List, 75c.
Your NET Price..... **44¢**

No. R-2860. Model 104. Four Springs; breaks two contacts. Double Circuit. List, 80c.
Your NET Price..... **47¢**

No. R-2861. Model 104A. Four Springs; makes one and breaks one Contact. Used in first stage audio. List, 1.80c.
Your NET Price..... **47¢**

No. R-2862. Model 105. Five Springs; opens two and closes one Contact. Double Filament Control. List, 90c.
Your NET Price..... **53¢**

FORMICA

Made from Anhydrous Bakelite Resins

The finish is of a glossy black on one side and a walnut grain of unusual beauty on the other side. Either surface may be used as the face. Each panel is packed in an individual envelope.

No.	Size	1/4" thick List	Net	No.	Size	1/4" thick List	Net
R-2726	7x9	\$1.60	\$0.95	R-2730	7x9	\$1.00	\$0.64
R-2727	7x12	1.96	1.24	R-2731	7x12	1.31	.83
R-2728	7x16	2.65	1.62	R-2732	7x16	1.75	1.24
R-2729	7x18	2.95	1.88	R-2733	7x18	1.96	1.46
R-2730	7x21	3.44	2.50	R-2734	7x21	2.29	1.67
R-2731	7x24	3.93	3.00	R-2735	7x24	2.62	1.87
R-2732	7x26	4.26	3.22	R-2736	7x26	2.84	2.09
R-2733	7x28	4.59	3.92	R-2737	7x28	3.06	2.22
R-2734	7x30	4.92	3.14	R-2738	7x30	3.28	2.09

Write for Prices on Special Formica Kit Panels.

Cutting Service

We are glad to cut Formica panels to any odd size at no additional cost to you. Prices may be figured approximately from the standard sizes listed. Cash in full required with order.

Engraving Service

Send in your full size exact templates and have your panels drilled and engraved. Two-day service. Very high quality work—neat and permanent. Five cents per letter. Cash in full with order.

LIGNOLE

TWO-TONE AND INLAID PANELS

Most beautiful of all panels. Made by impregnating specially selected wood with a material of high insulating qualities. This makes the wood impervious to moisture and changes of temperature, as well. Magnificently lacquered and some types richly inlaid with striking design marquetry. Two-tone type is of genuine walnut with an outside border darker than the inner section. Thickness 1/4 in.

No.	Size	List	NET
R-2789	7x18	\$3.15	\$2.05
R-2790	7x21	3.68	2.39
R-2791	7x24	4.20	2.73
R-2792	7x26	4.65	2.96



R-2793 7x28 4.90 3.19
R-2794 7x30 5.25 3.41
Inlaid Walnut or Mahogany with Marqueterie Inlay

No.	Size	List	NET
R-2733	7x18	\$6.52	\$4.16
R-2734	7x21	6.94	4.51
R-2735	7x24	7.36	4.78
R-2736	7x26	7.64	4.97
R-2737	7x28	7.92	5.13
R-2738	7x30	8.20	5.33

Plain Panels are Rotary Cut Walnut or Ribbon Mahogany

No.	Size	List	NET
R-2795	7x18	\$2.52	\$1.61
R-2796	7x21	2.94	1.87
R-2797	7x24	3.36	2.14
R-2798	7x26	3.64	2.32
R-2799	7x28	3.92	2.50
R-27100	7x30	4.20	2.68



VEE DEE Metal Panels

Very Popular

Special sheet metal elegantly finished in attractive walnut grain. Easily drilled with ordinary breast drill and adapted for all standard kits. Border in rich etched effect. Thickness about 1/4 in. Average ship. wt. 3 lbs.

No.	Size	List	NET
R-27123	7x13	\$1.80	\$1.06
R-27124	7x21	2.10	1.23
R-27125	7x24	2.40	1.41
R-27126	7x26	2.60	1.53
R-27127	7x28	2.80	1.65
R-27128	7x30	3.00	1.76

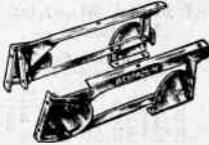


Wood Baseboards

Specially selected and thoroughly seasoned wood baseboards, for radio use. Made of plywood to avoid warping and insure great strength. Thickness 1/2 in. Shipping wt. 1 1/2 to 4 lbs.

No.	Size	List	NET
R-27115	6 1/2 x 11	\$0.45	\$0.23
R-27116	6 1/2 x 13	.55	.27
R-27117	6 1/2 x 17	.60	.30
R-27118	6 1/2 x 20	.70	.35
R-27119	9x17	.75	.38
R-27120	9x20	.90	.45
R-27121	9x23	1.00	.50
R-27122	9x26	1.20	.60

Benjamin Adjustable SUB-PANEL BRACKETS



Finish is dull nickel. A set of nickel plated screws are furnished with each pair of brackets for mounting to panel.

No. R-2751 Benjamin Angular Brackets. Per pair, List, \$1.25. **74¢** NET, pair.

No. R-2750. Benjamin Regular Brackets. Per pair, List, 70c. **41¢** NET, pair.



Rubber Panels

Rubber is acknowledged as a very good insulating material. However, all rubber is not alike. Only when one can be sure of the quality, as in the case of Hood Hard Rubber Panels, is it safe to use it.

The "Combination" panels listed below are Walnut on one side and black freeze Florentine on the other side.

No.	Size	BLACK NET
R-2711	7x9	\$0.90
R-2712	7x10	1.00
R-2713	7x12	1.15
R-2714	7x14	1.35
R-2715	7x18	1.75
R-2716	7x21	2.03
R-2717	7x24	2.30
R-2718	7x26	2.50
R-2719	7x28	2.70
R-2720	7x30	2.90

No.	Size	COMBINATION NET
R-2721	7x9	\$1.05
R-2722	7x10	1.15
R-2723	7x12	1.40
R-2724	7x14	1.60
R-2725	7x18	2.05
R-2726	7x21	2.40
R-2727	7x24	2.75
R-2728	7x26	2.95
R-2729	7x28	3.20
R-2730	7x30	3.45

Other finishes or special cut sizes cannot be furnished in Hood Panels.

KARAS Sub-Panel Brackets

Karas Brackets are less than an inch high and are not visible in the completed receiver.

No. R-2757. Karas Brackets, set of three. List, 70c. NET, set..... **41¢**



Sub-Panel Bakelite Bracket

Moulded of genuine bakelite 6 1/4 in. long by 2 in. high, and the new type 8 1/2 in. by 1 in. high. With ample holes for panel mounting screws.

No. R-2754. 1-in. Bracket. List, 50c. NET..... **29¢**

No. R-2755. 2-in. Bracket. List, 50c. NET..... **29¢**



Silver-Marshall Sub-Panel Brackets

Nickel-finish steel mounting brackets (one pair), size each 6 in. long by 1 1/2 in. high by 1/2 in. wide, with hardware. Weight in carton, 4 oz.

No. R-2752. S-M Bracket. List, pair, 70c. NET, pair..... **41¢**

Aluminum Brackets

Aluminum Brackets for mounting front and sub-panel. Supports front panel. Gives your set that factory appearance and makes a neat, more compact receiver, allowing all wiring and mounting of transformers, etc., underneath the sub-panel.

No. R-2756. List, per pair, \$1.50. NET, pair..... **88¢**



EBY Binding Posts

These binding posts are the finest on the market. They have patented construction, non-removable tops which unscrew enough to allow plenty of room for wires. All are complete with nut, lugs and screw. Neat white enamel engravings on polished black bakelite top. Diameter 1/2 inch. Size 6-32 screw—1/2 inch long.

Supplied in the following markings:

Plain.	B Bat. +	180 Volts +	Phones.
Ant.	B Det. +	200 Volts +	Speaker +
Short Ant.	A - Bat.C +	A - Bat.C +	Speaker -
Long Ant.	B Amp. +	C Bat. +	Input.
Gnd.	22 Volts +	C Bat. -	Output.
+.	45 Volts +	4 Volts C -	Loop.
-.	67 Volts +	9 Volts C -	1 1/2 Volts A.C.
A Bat. +	90 Volts +	27 Volts C -	2 1/2 Volts A.C.
A Bat. -	135 Volts +	40 Volts C -	5 Volts A.C.
A + Bat. B -	150 Volts +		

No. R-2900. Eby Binding Posts (specify markings)..... 10c
List, 15c. Your NET Price.....

X-L "PUSH" POSTS "Does the Job Better"

A binding post that really does excel in looks, action, service and convenience. Just push it down—insert wire—cannot jar loose from vibration. No screwing or danger of shearing off wires.

Furnished with attractive aluminum or bakelite finish, soldering lug and with the following markings:

Aerial.	Loudspeaker.	B Bat. -	B Bat. 90 +
Ground.	A Bat. +	B Bat. 22 1/2 +	C Bat. -
Phones.	A Bat. +	B Bat. 45 +	C Bat. +

No. R-2949. X-L Push Post (specify markings and finish desired). List, 15c. Your NET Price..... 9c



Setbuilders' Special Binding Post Strip



Molded ribbed bakelite providing absolute insulation for each terminal. Positive contact tinned soldering lugs and efficient mounting.

No. R-2975. Setbuilders Special Binding Post Strip. List, 60c. Your NET Price..... 35c



Lettered Binding Posts

Fine looking polished black insulated tops clearly marked in contrasting white enamel. Posts supplied are those used on practically all sets. Complete with brass barrel polished nickel finish and screw to fit panel of any thickness.

No. R-2988. Set of 8. List, 50c. Your NET Price..... 29c



Drilled and Marked Binding Post Strips

Consists of a strip of hard rubber 1 1/2 in. wide, 7 in. long and 1/4 in. thick. Drilled and marked: Ant. Grnd. A - A +, B - Det. B + and Amp. B +.

No. R-2987. List, 50c. Your NET Price..... 29c

Binding Post Mounting Strips

Unlettered rubber strips, 1 1/4 in. thick, drilled for mounting binding posts.

No.	Your NET Price
R-2978. For 10 posts.	30c
R-2979. For 9 posts.	26c
R-2980. For 8 posts.	22c
R-2981. For 7 posts.	20c
R-2982. For 6 posts.	18c
R-2983. For 5 posts.	16c
R-2984. For 4 posts.	15c
R-2985. For 3 posts.	14c
R-2986. For 2 posts.	13c



Lucas Spring Binding Post

Lucas spring action means quick connections and tight contacts by a press of the finger. Made plain or marked as follows: A +, A -, B +, B -, 22 1/2 v., 45 v., 67 1/2 v., 90 v., 135 v., C -, C +, A, G, Loop or Tel.

No. R-2933. Lucas Spring Binding Post (specify marking desired). List, 10c. Your NET Price..... 6 1/2c



Oval Head Wood Screws

Correct Size for Radio Work

No.	Length	Gross
R-3150	1/2 in.	55c
R-3151	3/4 in.	60c



McCalls Sure-Tite Wire Connector

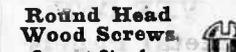
High grade solderless firm contact. Made of nickel plated brass.

No. R-3909. No. 1 Cord tip. No. R-3040. No. 2B Spade tip.

No. R-3046. No. 3 Wire Splitter.

No. R-3041. No. 4 Spring connector takes cord tip or bus wire.

No. R-3042. No. 5A Cord tip Jack. Has screw and washer for mounting. List, each, 10c. Your NET Price..... 6 1/2c



Round Head Wood Screws

Correct Size for Radio Work

No.	Length	Gross
R-3152	3/4 in.	45c
R-3153	1 in.	53c
R-3154	1 1/4 in.	58c
R-3155	1 1/2 in.	63c



Flat Head Machine Screws

Size 6-32

No.	Length	Gross
R-3130	3/8 in.	43c
R-3131	1/2 in.	45c
R-3132	5/8 in.	46c
R-3133	1 in.	47c



Oval Head Machine Screws

Nickel Plated Brass Size 6-32

No.	Length	Gross
R-3140	3/8 in.	47c
R-3141	1/2 in.	48c
R-3142	5/8 in.	49c
R-3143	1 in.	50c



Round Head Machine Screws

Size 6-32

No.	Length	Gross
R-3144	3/8 in.	39c
R-3145	1/2 in.	42c
R-3146	5/8 in.	43c
R-3147	1 in.	44c
R-3148	1 1/4 in.	58c
R-3149	1 1/2 in.	68c



Nameplates

Black and nickel finish. Choice of: "Detector," "2 Stage," "Loud Speaker," "1 Stage," "3 Stage," "Telephone," "Aerial," "Speaker," "Ground," "Radio," "Loop," "Off-On," "On-Soft-Loop," "L-S." State marking wanted. No. R-2829. List, each, 5c. Your NET Price..... 3c



X-L Binding Post Strip

Handsome polished panel with seven mounted push posts and the following attractive engravings: Aerial, Ground, A -, A +, B -, B +, Det. and B + Amp. Complete with soldering lugs, raising bushings, screws for mounting, etc.

No. R-2977. X-L Binding Post Strip. List, \$1.60. Your NET Price..... 88c



Contact Points and Stops

Best quality. Highly polished nickle plated brass. Furnished with nut.

No. R-3024. Contact Points.	List, 3c.
No. R-3025. Switch Stops.	10c
No. R-3026. Contact Points.	10c
No. R-3027. Switch Stops.	14c



Fahnestock Connectors

Furnishes a firm spring grip that can be released instantly. Indispensable for test boards.

No. R-3043. Fahnestock Clips. Your NET Price 15c Dozen.

SHAKEPROOF Lugs and Washers

A permanent tight connection that can not work loose. Phosphor bronze, tinned.

No. R-3055. Lugs, per 100. Your NET Price..... 39c

No. R-3056. Washers, per 100. Your NET Price..... 35c



External Lock Washers

No. R-3054. Washer with external locking burr. Per 100 washers. NET..... 35c

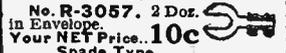


Flat Lugs

These Terminals can be furnished in the following types:

No. R-3031. Large Lugs. Set of 25. Your NET Price..... 3c

No. R-3032. Small Lugs. Set of 25. Your NET Price..... 3c

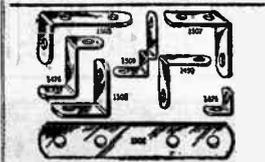


Soldering Lugs

Round Type No. R-3057. 2 Doz. in Envelope. Your NET Price..... 10c

Spade Type No. R-3058. 2 Doz. in Envelope. Your NET Price..... 10c

"T" Type No. R-3059. 2 Doz. in Envelope. Your NET Price..... 20c

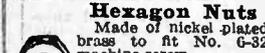


Radio Brackets

Nickel plated Brass Brackets for mounting coils, condensers and tube panels. Types 1475, 1476 and 1490 are lightweight especially adapted to coil mounting.

Your NET Price

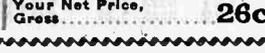
No. R-2781. (1475) Ten for \$2.97	16c
No. R-2782. (1478) 25c	25c
No. R-2783. (1490) 20c	20c
No. R-2784. (1505) 15c	15c
No. R-2785. (1506) 20c	20c
No. R-2786. (1507) 16c	16c
No. R-2787. (1508) 16c	16c
No. R-2788. (1509) 20c	20c



Hexagon Nuts

Made of nickel plated brass to fit No. 6-32 machine screw.

No. R-3044. Hexagon Nuts. Per Gross. Your NET Price..... 51c



Flat Washers

For No. 6 screws, nickel plated brass. No. R-3045. Flat Washers. Your Net Price, Gross..... 26c



Silver-Marshall 818 Hook-Up Wire

No. 20 Solid Tinned Copper Wire; fabric insulated switch-board wire capable of withstanding high voltages. Ideal for "B" Eliminator work. One of the most popular styles of hook-up wire in the market.

No. R-3036. S-M 818 Wire. Retail, 60c. Your NET Price..... 29c

HOOK-UP WIRE AND EQUIPMENT

BRAIDITE Wire

"The Braid Slides Back"

Hook-up wire made from either solid or stranded tinned copper wire covered first with a cotton wrap and then with a cotton braid. Impregnated with a damp proof compound. Unnecessary to strip back insulation when soldering. The braid is simply pushed back. Made in five colors: red, green, yellow, blue and black.

No. R-3034. Braidite Solid Core. List 30c. **18¢**
 Your NET Price.....
 No. R-3035. Braidite Stranded Core. List 35c. **21¢**
 Your NET Price.....
 (Specify color wanted.)

ACME Twisted A-C



Hook-up Wire

For A-C Filament Hook-up. One strand Red and one strand Black. 16/30 Celatsite twisted together. Two colors are used so that the same sides of all filaments may be maintained at the same relative potential.

No. R-3062. 25-ft. Carton. List, \$1.75. Your **\$1.03**
 NET Price.....

ACME "Push-Bak" Hook-up Wire



The speediest for Professionals—simply push back insulation. No. 19 tinned copper wire with cotton wrap and braid, impregnated with wax. Black, yellow, brown, green, red or blue. Specify color.

No. R-3063. 25-ft. Carton. List, 30c. Your NET Price..... **18¢**

CORWICO Flexibus



"Corwico" Stranded Flexibus is a flexible insulated multistrand tinned copper hook-up wire. Covered with a varnished cambric flame-proof insulation.

Specify color wanted. For circuit distinction three colors totaling twelve feet are supplied in a carton.

No. R-3047. List 35c. Your NET Price..... **21¢**
 25 feet of one color (red, yellow, brown, green or black) supplied in a carton.

No. R-3048. List 70c. Your NET Price..... **41¢**
 Mill Spools (approximately 1000 ft.) of one color—red, yellow, brown, green or black.

No. R-3049. List \$25.00. Your NET Price..... **\$14.70**

Belden Colorubber A-C Wire Kit



Contains Colorubber Insulated Hookup Wire as follows: Black—12 ft. No. 14 twisted pair for 1 1/2 volt filament circuit. Yellow—6 ft. No. 18 twisted pair for 2 1/2 volt filament circuit. Red—6 ft. No. 18 twisted pair for filament circuit of 5 volts or higher, and Green—25 ft. No. 18 hookup wire.

No. R-3052. Belden A-C Wire Kit. List \$1.75. Your NET Price..... **\$1.03**

Belden Colorubber (25 Foot Lengths)

No. R-3017. Natural. List 40c. Your NET Price..... **24¢**
 No. R-3019. Green.
 No. R-3020. Blue.
 No. R-3018. Red.
 No. R-3021. Brown.
 No. R-3030. Yellow.

Flexible Celatsite For All Sub-panel Wiring



Consists of 16 strands of No. 30 tinned copper wire and is covered with the same material as the famous Celatsite wire. Put up in 25-foot rolls.

No. R-3005. Black. List per roll, 80c. Your NET Price..... **47¢**
 No. R-3006. Red.
 No. R-3007. Green.
 No. R-3008. Brown.
 No. R-3009. Yellow.
 No. R-3028. White.

Tinned Bus Bar



Belden Tinned Hook-up Wire is No. 14 B & S Gauge Bar. It is medium drawn—not so brittle as to break in work, or so soft as to bend beyond control. Cut in 2-ft. lengths, both round and square.

No. R-3015. Square; 2-ft. lengths. List, 2/2c. Your NET Price..... **1 1/2¢**
 No. R-3016. Round; 2-ft. lengths. List, 2/2c. Your NET Price..... **1 1/2¢**

Radio Insulating Cement



A transparent celluloid cement for insulating and protecting wire coils. No capacity of absorption effects.

No. R-3054. 2-oz. Bottle. List, 40c. Your NET Price..... **22¢**

Radio Shellac Compound

For covering cabinets, base boards. Also used for impregnating wires, but insulating cement listed above recommended in preference for this purpose.

No. R-3053. NET..... **18¢**

Aluminum Shielding

Correct thickness for maximum shielding with greatest mechanical strength. Pure aluminum about 1/32 inch thick.

No. R-27129. 6 x 12 inches. NET, each..... **45¢**
 No. R-27130. 7 x 24 inches. NET, each..... **82¢**
 No. R-27131. 8 1/2 x 30 inches. NET, each..... **\$1.15**

ACME Celatsite Bus Bar

Celatsite wire is a No. 14 tinned round bus bar covered with a high grade of glossy, close-fitting spagheti. This insulation does not burn when a hot iron is applied to the wire. Has met universal acceptance as the nearest wire available. 36 in. lengths. Made in the following colors:

No. R-3000. Black.
 No. R-3001. Red.
 No. R-3002. Green.
 No. R-3003. Brown.
 No. R-3004. Yellow.
 No. R-3027. White.

List per Length, 9c. Your NET Price..... **5 1/2¢**
 List, Package of 40 Lengths, \$3.60. Your NET Price..... **\$2.12**

LITZ Wire For Coils



Consists of many strands of fine Belden name wire, cabled together and protected by double serving of green silk.

No. R-2335. 100-ft. 20 strand No. 38 D.C.S. Litz Wire. List, \$1.00. Your NET Price..... **59¢**

Belden Loop Wire

A flexible covering wire, designed especially for indoor aerials and loops. Won't stretch. 125 ft. on metal spool.

No. R-1208. Brown Loop Wire. List \$1.00. Your NET Price..... **59¢**
 No. R-1220. Rayon Silk Loop Wire. List \$1.75. Your NET Price..... **\$1.03**

Bakelite Tubing



Pieces 3 in. long only. Does not warp or bend. 1/16-inch wall. Natural color. Inside diameter given.

No.	Size	Single	Lots
R-2336	2 1/2 in.	14c	13c
R-2337	2 1/4 in.	19c	17c
R-2338	2 1/2 in.	16c	15c
R-2339	2 1/4 in.	20c	18c
R-2340	3 in.	19c	18c
R-2341	3 1/4 in.	24c	23c
R-2342	3 1/2 in.	22c	21c
R-2343	4 in.	29c	27c

Note: Any diameter or length tubing can be supplied at prices in proportion to those above. Minimum charge 50¢ per order.

Threaded Tubing

Genuine Bakelite Tubing threaded for space winding. Tube is 2 1/2 in. long, 1 1/2 in. outside diameter, 1/16 in. wall. Threaded with 104 threads, 6 1/4 threads per inch. Best suited for No. 30 enamel wire. Full length winding covers broadcast band with .00035 condenser.

No. R-2344. Your NET Price, each..... **21¢**

Rubber Covered Flexible Hook-up Wire



Made of stranded tinned copper wire covered with live rubber sufficient to withstand any voltage ordinarily used in radio. For circuit distinction, these products are covered with colored rubber in red, green, blue, black, white and natural.

No. 18 Rubber Covered (red, green, blue, white or black) Stranded flexible tinned copper, 25 ft. in a carton.

No. R-3050. List per carton, 40c. Your NET Price..... **24¢**
 No. 18 Rubber Covered (natural color) Stranded Flexible Tinned Copper, 25 feet in a carton.

No. R-3051. List per carton, 35c. Your NET Price..... **21¢**

CORWICO Annunciator or Bell Wire



A double cotton covered No. 18 Copper wire. Insulation impregnated with paraffin.

No. R-3060. 50 Foot Bx. Your NET Price..... **25¢**

ACME Spagheti Tubing



A very high grade varnished tubing for slipping over round or square bus bar wire. A real insulation. Acid and moisture-proof. Glossy finish. Excellent for fabric used. Made in black, brown, red, green and yellow. Priced very reasonably for the quality. Comes in 36-in. lengths.

No. R-3010. Black.
 No. R-3011. Brown.
 No. R-3012. Red.
 No. R-3013. Green.
 No. R-3014. Yellow.

List, per length, 9c. Your NET Price..... **5 1/2¢**
 Package of 40. List, \$3.60. Your NET Price..... **\$2.12**

MAGNET WIRE



Very highest quality, made of the best grade of copper wire and insulated with the finest material obtainable. Suitable for the most exacting experiments in radio and other electrical work as well as for all heavy duty practical purposes. Each spool contains a single length of wire evenly wound and suitably labeled. Only 1/2 lb. (8 oz.) spools, except where otherwise specified in listing below.

Wire Size (Gauge)	Double Cotton Covered (White)	Enameled	Double Silk Covered (Green)
14	R-2350 21c	R-2360 21c	R-2368 50c
16	R-2351 24c	R-2361 22c	R-2370 65c
18	R-2352 27c	R-2362 25c	R-2371 65c
20	R-2353 30c	R-2363 28c	R-2372 77c
22	R-2354 33c	R-2364 27c	R-2373 4oz. 48c
24	R-2355 35c	R-2365 30c	R-2374 4oz. 60c
26	R-2356 52c	R-2366 32c	R-2375 4oz. 76c
28	R-2357 61c	R-2367 38c	R-2376 4oz. 88c
30	R-2358 74c	R-2368 46c	
32	R-2359 76c		



Setco Special New Radio Service Man's Tester and Tool Case

**Tests Sets, Tubes, Power
Units, Line Voltages and Pro-
vides Necessary Space for
All Tools**

Something the Service Man has always needed and now offered at a reasonable price all can afford. An amazing bargain!

This wonderful outfit consists of a complete tool chest together with a four-meter test board for all tubes and circuit checking. The case is of the finest quality, comparable to high priced luggage. It measures only 11 in. high, 7 1/2 in. deep and 14 in. wide. The upper compartment under hinged lid is fitted with the testing equipment. There are five felt lined drawers providing sufficient space for pliers, soldering iron, solder, wire and other tools and supplies. Drawer dimensions are: First, 5 1/2 in. wide, 5 1/4 in. deep, 1 1/2 in. high; second, 5 1/2 x 5 1/4 x 3/4 in.; third, 5 1/2 x 5 1/4 x 3/4 in.; fourth, 12 1/2 x 5 1/4 x 3/4 in.; fifth, 12 1/2 x 5 1/4 x 2 in. Front lid covers and locks drawers when case is closed. Covered with finest grade black artificial seal grain leather. Nickel plated locks, catches and hinges.

The Readrite quality meters are of pin jack type, interchangeable in all sockets to make all possible tests. A 30-inch two-conductor (red and black) cord is furnished for set testing. The tube tester has three meters, providing check for a voltage, plate current and B eliminator voltage. The A-voltage volt Meter is 0-10 AC or DC. A double range milliammeter with scale of 0-20, 0-100 has trip switch for using either range; tests any ordinary or power tube. Accurate high resistance B-eliminator

tester with scale 0-500 gives plate voltage at any socket. The tube-tester has a 30-inch cord with four- and five-prong adapter for plugging into receiver.

An 0-150 AC voltmeter with AC plug to fit any standard electric wall receptacle gives accurate check on line voltages.

Grid bias reading may be taken by means of the inbuilt switch.

Almost every kind of test the service man may be called upon to make can be made with this accurate precise Set Analyzer and Tube Tester.

For all this equipment and the splendid tool case, you might expect to pay double or more than our special price. We designed this outfit ourselves, incorporating the ideas of many of our Set Builder friends. We then had it built at a cost far below the market standard. Remember, this is a quality job right through, accurate Readrite Meters and the best, most rugged case we could obtain. Only by securing them in large quantities, could we offer them at this unheard of price! We hope to make many new friends with it. Shipping wt., 20 lbs.

No. 2R-2255. List, \$26.46
complete, \$45.00. Your NET Price



Readrite Tube Tester

For AC or DC for servicing sets. Complete with cord, plug and adapter. Has grid switch and 2 binding posts for connecting B Voltmeter, such as 346 for testing plate voltage. Besides testing all circuits, either AC or DC, will check all tubes, including power tubes. Has two sockets for 4 and 5 prong tubes. A universal tester complete with instructions and Tube Chart.

No. R-2253. List, \$12.00. **\$7.06**
Your NET Price.

READRITE Tube Checker



For tubes operating at 5 Volts or less. Consists of 0-6 DC Voltmeters, 0-10 M.A., grid bias switch, rheostat, socket and binding posts. Neat metal case. Complete instructions and tube chart.

No. R-2236. Type 210. **\$4.41**
List, \$7.50. Your NET Price.....
No. R-2237. Cord and Plug to bring plate and filament circuits from set socket to above tube tester. **59¢**
List, \$1.00. Your NET Price.....
No. R-2294. Adapter for small tubes. List, 60¢.
Your NET Price..... **35¢**

Readrite Home Tube Checker



Contains Milliammeter. Tests quickly plate current of all tubes. Grid switch connects to positive and negative filament. Difference in readings shows condition of tube on simple reference table on bottom of tester. Dependable and accurate.

No. R-2295. Type A. **\$1.76**
List, \$3.00. Your NET Price....

World's Greatest Radio Value —Page 6



Hoyt Rotary Meter

Style 3

A "trouble shooting" and all around Rotary type tester. Combines in 1 unit 5 ranges for all testing on DC sets, tubes, batteries and battery chargers. 5 ranges are: 0-20 Mils., 0-100 Mils., 0-10 Amps., 0-10 V., 0-200 V. Has two flexible leads and special prods.

No. R-2291. List, \$26.00. **\$19.11**
Your NET Price.....

Hoyt AC Pocket Voltmeter



Compact, sensitive. Three scales cover all AC filament and line voltage. Nickel case 2 1/2 in. diameter. Two special leads. In a durable leather pocket case. Has the following ranges: 0-3, 3-9, 50-150 Volts.

No. R-2292. Type 5473. **\$11.76**
List, \$16.00. Your NET Price....

Readrite Test Kit



Contains nine meters fitted in tip jacks 0-50, 0-500, 0-8 DC, 0-15, 0-6, 0-150 AC Voltmeters and 0-10, 0-100, 0-300 Milliammeters, in black metal case with leather handle size 7x10x4 in. high. Has four meter tube tester connected with

5-foot cord, plug and adapters. Also 5-foot polarity cable with tips for special test meter. Power rheostat, grid switch, 4 and 5 prong sockets with interchangeable meters all on marked Bakelite panel. Will test any kind of tube or circuit. Locates faults quickly without switches or other cord connections. A complete and flexible outfit every service man or experimenter will want to own. Full instructions and Tube Chart. One of the best values in this type of equipment ever offered. The meters are real precision instruments guaranteed perfect.

No. R-2293. List, \$35.00. **\$20.58**
Your NET Price.....

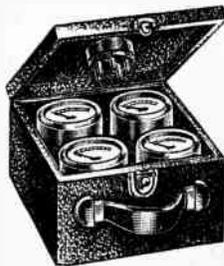
Jewell No. 150-AC Tube Checker



Tests all tubes. Needs no batteries. Has a 5 prong socket with adapter for 4 prong tubes. A compound rheostat to adjust filament with 0-4-8V. AC filament voltmeter and by grid shift method, a 2nd reading of plate current gives value of tube. Plugs into 110 AC.

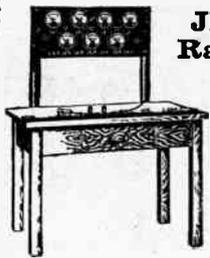
No. R-2296. List, \$38.00. **\$27.93**
Your NET Price.....

BEEDE Test Kit



Has Plate Volt Meter, AC Filament meter, AC Line Tester, Grid Bias Meter with adapter to convert 4 to 5 prongs. Leather handles on black leatherette case. A most remarkable

value.
No. R-2297. List, \$15.00. **\$8.82**
Your NET Price.....



JEWELL Radio Test Bench

Designed for servicing radio sets on dealer's premises. Excellently made of hard in a pie with top 24x42 inches. Weight, 36 in. Tool drawer. Testing panel is steel, black enameled, with all markings engraved

in steel and filled with white. Panel carries 7 instruments: 0-7.5 volts DC; 0-150-300-750 volts DC; 800 ohms per volt; 0-15-150 DC milliamperes; 0-4-8-16 volts AC; 0-150-750 volts AC, and 0-1.5-15 microfarads. Binding posts, so all instruments can be used individually. Switches to cover all ranges. Also supplied with plug and cord so that all circuits in a set can be tested along with tube, which may be placed in a socket in panel. A pair of outlets are arranged to be connected to 110 volt, 60 cycle AC line so that line voltage may be read and a set plugged into the outlets.

No. R-2289, Type 580, Complete Bench, as shown. List, \$278.50. **Your NET Price..... \$204.70**

No. R-2290, Type 581, Panel with Instruments, etc. (No Table.) List, \$212.00. **Your NET Price..... \$155.82**



JEWELL Model 199 AC-DC Set Analyzer

Every test which will give information of workings of a set and its accessories has been provided for. It tests AC and DC tubes, A and B eliminators, batteries, circuits, grid, plate and cathode voltages, plate milliamperes, chargers, line voltage, etc. Ranges of instruments are: 0-4-8-16-100 AC volts, 0-7.5-75-300-600 DC volts, and 0-15-150 milliamperes. All DC voltage ranges have a resistance of 1,000 ohms per volt. Furnished with test leads, 4 and 5 prong tube adapters, line voltage leads, pad of charts and complete instructions.

No. R-2254, Model 199 Complete. List, \$97.50. **Your NET Price..... \$71.66**

No. R-2230, Extra pads of 50 analysis charts, per pad. List, 25c. **Your NET Price..... 18 1/2¢**

Radio Center Punch

High grade solid steel, knurled handle, sharp point. Length, 4 in. Shpg. wt., 6 oz. No. R-3132. List, 15c. **Your NET Price..... 10¢**

Counter Sink

To counter-sink holes for appearance and efficiency. Fits standard hand drill. No. R-3156. List, 30c. **Your NET Price..... 17¢**



Steel Scriber

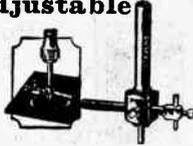
Finest tempered steel. Needle point each end. Length, 8 in. Shpg. wt., 6 oz. No. R-3133. List, 25c. **Your NET Price..... 17¢**



Stevens Spintite Wrenches for Hex Nuts

A set of 3 wrenches to fit 3/4, 5/8 and 1 1/4 in. hexagon nuts, the right ratio sizes. Indispensable in radio work. Shpg. wt., 1 lb. No. R-3125. Set of 3. List, 75c. **Your NET Price..... 48¢**

Stevens Adjustable Panel Cutter



A well made substantial tool for cutting large holes in panels. Adjusts from 1 1/2 to 6 in. Shank is 1/8 in. diameter and fits carpenter's brace or machine. Double end, high speed cutter may also be used for beading. Shpg. wt., 12 oz.

No. R-3117. List, \$3.25. **Your NET Price..... \$1.81**

Panel Cutters



Cut clean, true holes in panels up to 1/2 in. thick. Shank fits carpenter's brace.

No.	Size	List	NET
R-3118	1/8	1 1/2	95c
R-3119	1/4	1.85	1.35
R-3120	1/2	1.00	80c
R-3121	3/4	1.25	80c
R-3122	1	1.25	80c
R-3123	1 1/2	1.25	80c

Hand Drill

Chuck holds drills up to 1/4 inch. Hollow, polished handle, forms holder for drills; wide, heavy single gear assures rigidity and long life together with easy operation. Hardwood handle and grip. An amazing value at this special price.



No. R-3122. List, \$3.00. **Your NET Price..... \$1.47**

Breast Drill

An excellent quality breast drill that will take any size drill up to 1/4 in. It is double geared for support and smooth, easy running. Gears are steel cut. Polished dark brown hardwood grip and handle. Drill chuck with three hardened jaws. Overall length, 12 in. Frame finished in black enamel; gear wheel is finished in bright blue.

No. R-3158. List, \$2.25. **Your NET Price..... \$1.33**

Radio Drills

Set of 9 straight shank twist drills that cut quick and clean. Sizes from 1/16 to 3/16 in. by 1/16 in. No. R-3123. List, 50c. **Your NET Price..... 28¢**



Screw Driver Assortment

Made of high grade steel, nickel plated. 12 assorted drivers on display card. One of best values of this kind on the market. No. R-3159. List, per Set, \$1.00. **Your NET Price..... 55¢**



Screw Drivers

Special design for radio. Long, thin blades. Size given is length of blade. Shpg. wt., 8 oz.

No.	Size	List	NET
R-3128	2-inch	15c	10c
R-3129	3-inch	18c	11c
R-3130	4-inch	20c	12c
R-3131	5-inch	25c	13c



Diagonal Cutting Pliers

Hardened tool steel. Strong oval faced cutting jaws. Nickel finish. Cuts easily in tight places. American made. Shpg. wt., 1 lb. No. R-3113. List, \$1.00. **Your NET Price..... 53¢**



Long Nose Cutting Pliers

Reaches difficult places. Finest tool steel. Tempered cutting jaws. Nickel finish. American made, finest quality. Shpg. wt., 1 lb. No. R-3114. List, \$1.25. **Your NET Price..... 64¢**



Long Nose Pliers

Long, thin, strong nose. Cuts wire between jaws. Drop forged steel. Length 6 1/4 in. Shpg. wt., 1 lb. No. R-3115. List, 50c. **Your NET Price..... 35¢**



Crow Bill Pliers

Long, thin, semi-round nose. Easy grip and very strong. Gets into difficult places with ease. Length, 6 1/4 in. Shpg. wt., 1 lb. No. R-3116. List, 50c. **Your NET Price..... 32¢**



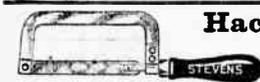
STEVENS Reamers

Have improved spiral cutting edge which insures true, round hole in metal; bakelite, hard rubber or wood. Shpg. wt., 12 oz. No. R-3126. Size 1/8 in. to 1/2 in. List, \$1.50. **Your NET Price..... 96¢**
No. R-3127. Size 3/8 in. to 3/4 in. List, \$2.00. **Your NET Price..... \$1.27**



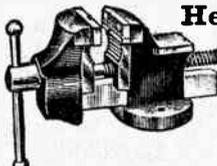
Hack Saw

A serviceable little hack saw especially made for radio use. All steel with black wood handle. Expands enough to hold 12 in. blade. Complete with blade. No. R-3111. List, 50c. **Your NET Price..... 29¢**



Heavy Shop Vice

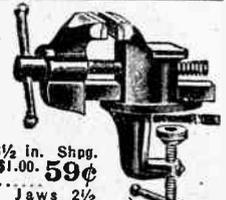
Ground and polished jaws 3 1/4 in. wide with removable jaw. Faces of tempered tool steel. Opens 3 1/2 in. Removable pipe jaw takes up to 1 1/4 in. pipe. Can be used as swivel or stationary. Complete with two lag bolts, heavy wing nut and stud. Shpg. wt., 13 lbs. No. R-3160. List, \$7.00. **Your NET Price..... \$2.14**



No. R-3161. Same as above except with out tempered steel inserts in the jaws and with lag bolts. List, \$5.00. **Your NET Price..... \$1.72**

RADIO VISE

Hardened jaws. Black enameled. Finest quality, made in U. S. A. No. R-3134. Jaws 2 in. wide; length over all, 6 1/2 in. Shpg. wt., 5 lbs. List, \$1.00. **Your NET Price..... 59¢**
No. R-3135. Jaws 2 1/2 in. wide; length over all, 8 in. Shpg. wt., 8 lbs. List, \$1.50. **Your NET Price..... 93¢**





**S-M
A-C Filament
Supply
Transformer
Type 247**

All the high quality its name implies. To step down house current to proper voltage for A-C tubes. One 105-120 volt, 60 cycle primary, one 5 volt, 1 amp. secondary; 1 1/2 volt, 4 amp. secondary. Handles up to five 226, 20 227 and three 171 or 112 tubes. Sizes, 3 1/2 x 2 1/2 x 5 inches. Shipping weight, 2 1/2 lbs. Can be used with proper Carter harness.

No. R-4748. List, \$5.00. **\$2.94**
Your NET Price.....

**Type 325 Heavy Duty
Filament Transformer**

For use where Type 247 will not supply enough current. Gives 7 1/2 or 5 volt at 3 amp. 1 1/2 volts at 12 amp. and 2 1/2 volts at 12 amp. In regular S-M shield with cord and plug.

No. R-1759. List, \$12.50. **\$7.35**
Your NET Price.....



**AC Filament
Transformer**

Heavy duty vacuum impregnated coil with large silicon steel core. Black enamel metal shell with nickelled terminals. Size, 4 inches high, 3 1/4 inches long, 2 1/2 inches wide. Taps will supply six 226 tubes at 1 1/2 volts, two 227 tubes at 2 1/2 volts, with center tap, and two 112 or 171 tubes at 5 volts with center tap. Weight, each, 4 lbs.

No. R-4719. List, \$6.00. **\$3.53**
Your NET Price.....

**THORDARSON
A-C Filament
Supply Trans-
formers**



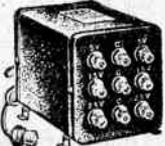
Fitted with cord and plug for attaching to 110-115 volt 50-60 cycle house current.

Type T-2445

Supplies proper voltages to 226, 227 and whatever power tubes are used. Has three taps: 1 1/2, 2 1/2 and 5 volts. Also has receptacle for B-supply input plug. Compact case 2 1/2 x 5 1/4 x 4 1/4 inches, crackle finish. Shipping weight, 5 lbs.

No. R-4708. List, \$10.00. **\$5.88**
Your NET Price.....

**KARAS
A-C Former**



Perfected filament supply for 226 and 227 A-C tubes. Provides even, humless current flow. Gives tubes longer life. Generally recommended by engineers. Compact: 3 1/2 x 3 1/4 x 3 1/4 inches. Shipping weight, 5 lbs.

No. R-4727. Type 12. Will handle 3 226 type, 2 227 type and 2 171 type tubes. List, \$8.75. Your NET **\$5.14**

No. R-4747. Type 13. Will handle 8 227 type, 2 1 1/2 volt tubes and 2 171 type or 2 210 type tubes. List, \$13.50. Your NET Price..... **\$7.94**



**Thordarson
Power Tube
Filament
Supply**

For use with "B" eliminators or plate supply units, which furnish proper plate voltages for power tubes, but do not provide for the filament voltages. Each will handle two power tubes. Operate on 110-115 volt 50-60 cycle A-C (house current).

Type T-2180

For use with 5-volt power tubes such as 112 and 171. Secondary: 5 volts, center tapped. Capacity, 2 1/2 amperes. Size: 3 1/2 x 2 1/4 x 3 1/4 inches. Shipping weight, 3 pounds.

No. R-1782. List, \$5.00. **\$2.94**
Your NET Price.....

Type T-2230

For use with 7 1/2-volt power tubes such as 210. Secondary: 7 1/2 volts, center tapped. Capacity, 4 1/2 amperes. Size, 3 1/2 x 3 x 3 1/4 inches. Shipping weight, 4 pounds.

No. R-1781. List, \$7.50. **\$4.41**
Your NET Price.....



**DE JUR
AC
Line Voltage
Regulator**

Every owner of an A-C electric set, "B" eliminator or power amplifier, should use a line voltage regulator. Excessive line voltages ruin the tubes. With this device you can quickly adjust the line voltage to the proper basis and keep it there. Very simple to connect. Simply run the present set plug into this regulator and the regulator plug into the light socket. Accurate and dependable. Shipping weight, 3 1/2 lbs.

No. R-0508. List, \$12.50. **\$7.35**
Your NET Price.....



**READRITE
A-C Voltage
Regulator**

The vital parts of a voltage regulator are the meter and the rheostat. With Readrite, BOTH excel.

The voltmeter is the repulsion type. Admittedly the best for A-C use. The giant rheostat has ample capacity and is staunchly constructed.

Easy to use. Just set the voltage to the mark on the dial. Excessive voltage is clearly shown by the red portion of the scale. Finish is durable dull black. Diameter only 4 1/4 inches.

Complete with plugs and five-foot cord. No. R-0517. List, \$6.50. **\$3.82**
Your NET Price.....

**Centralab Radio
Control Box**



Insures 110 volts to your set regardless of line voltage. Costs less than a single tube. Cheap life insurance for all tubes.

It can be conveniently mounted anywhere, and connected by anyone in a moment's time. There is a receptacle on the box for the plug of the radio set, and a cord to plug into the lighting socket. All live parts are enclosed, and children can play around the connections without danger of a shock.

No. R-0516. List, \$3.00. **\$1.76**
Your NET Price.....

ACME

**VR-1
Automatic
A-C Voltage
Regulator**



Keep your volume constant, your quality up to par, and lengthen the life of your tubes with an Acme Voltage Regulator.

Maintains current at 109 to 111 volts, though the line voltage fluctuates, as practically all power lines do, from 90 to 150 volts. This fluctuation is responsible to some extent for fading reception, tube burnouts, squeals and howls.

The size of the VR-1 voltage regulator is 3 1/2 x 7 1/4 x 6 3/4 inches high and its operation consists of attaching it to the 110 volt supply and to the radio set. It comes complete with cable and plug for the 110 volt supply and a receptacle for the radio set plug. A switch and cable is provided to turn the power off and on.

No. R-0514. Acme VR-1 (60 Watt Set). List, \$17.50. Your NET **\$10.29**
Price.....

**R-B-M
A-C Volt-
age
Regulator**



Small, neat, compact and beautifully finished. Anyone can install an R-B-M VOLT-AGE REGULATOR. It does not require the use of a voltmeter or any tools or a service man to install it. Once set for the proper voltage, there is nothing to get out of order.

By investing in an R-B-M Voltage Regulator, you are protecting your expensive A-C tubes from becoming paralyzed or burning out. It therefore will pay for itself from the moment it is placed in operation. It is ruggedly built of the very best materials and will operate on any A-C tube receiver which uses the new alternating current tubes.

No. R-0507. List, \$10.00. **\$5.88**
Your NET Price.....

**Ward-Leonard
Vitrohm**



Will reduce abnormal line voltages of 125 volts or less to a safe value for practically all A-C sets. A sure unerring protection to the tubes. Very simple; merely insert between set and the convenience outlet and forget it.

No. R-0515. List, \$1.27
\$2.00. Your NET Price.....



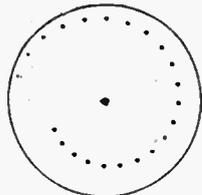
**S-H
Aerial Kit**

No receiver is better than its aerial! With such a kit as this, the ideal antenna installation can be made. The Kit consists of: 100 feet 1/4 Standard Stranded aerial wire, 50 feet rubber covered lead-in wire, one quality window lead-in strip, 1 ground clamp, 1 S-H Lightning Arrestor, 2 glass strain insulators, 2 screw-eye porcelain Stand-off insulators, two screw-eyes, three wood screws, complete instructions for making perfect installation. This is an amazing value!

No. R-1282. S-H Aerial Kit Complete. List, \$2.50. **\$1.47**
Your NET Price.....

TELEVISION EQUIPMENT

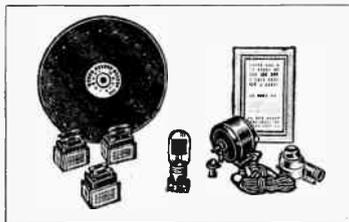
We believe that Television has a great future—that its progress in the next few years will equal or surpass the phenomenal progress of Radio-Sound broadcasting. The principals of this company have actually seen the transmission of pictures. However, the merchandise available today is sold strictly for experimental purposes and is not subject to our usual guarantee. A great field for those of inventive inclinations.



DAVEN Scanning Disc

These discs are designed for standard 1 1/2 in. square pictures—the output of the usual Neon lamp.

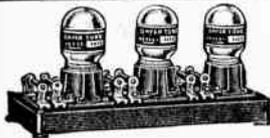
No.	Apertures	List	NET
R-4203	24	\$ 5.00	\$3.18
R-4202	36	7.50	4.78
R-4204	45	10.00	6.37
R-4205	48	10.00	6.37
R-4206. Special Comb Disc for 24, 36 and 48 line pictures. \$9.55			
List, \$15.00. Your NET Price.....			



DAVEN Essential Television Kit

Made as simple as possible for the novice. Kit consists of: Scanning Disc, Neon Lamp, 3 Stage Telev. Amplifier, Universal Motor, Rheostat, Motor Bushing. Complete instructions for wiring and constructing. (No Tubes included.)

No.	Kit, 24 line Scan. Disc	With
No. R-4207.	Kit, 24 line Scan. Disc	
No. R-4208.	Kit, 36 line Scan. Disc	
No. R-4209.	Kit, 45 line Scan. Disc	
No. R-4210.	Kit, 48 line Scan. Disc	
List, any one of above Kits, \$38.22		
No. R-4211. Same Kit except with combination 24-36-48 Scanning Disc. \$41.40		
List, \$65.00. Your NET Price.....		



DAVEN Television Amplifier

Takes the place of all the apparatus after the detector tube. All resistors and coupling condensers are supplied—nothing additional needed. Uses "C" battery connections on all stages. Ideal for Television and when so used requires two Hi-Mu 20 tubes and one Out-put Tube.

No. R-4212.	Type T3—3 Stages with 1 Out-put Stage. List (without tubes), \$12.50.	Your NET Price.....	\$7.96
No. R-4213.	Type T4—3 Stages with 2 Out-put Stages paralleled. For illumination. List (without tubes), \$17.50.	Your NET Price.....	\$11.15
No. R-04193.	DAVEN Mu 20 High Amp. Tube. List, each, \$2.25.	Your NET Price.....	\$1.54

No.	DAVEN Output Tubes	List	NET
R-04194.	Mu-8	\$3.50	\$2.40
R-04195.	AC-11	3.50	2.40
R-04196.	AC-10	3.00	6.17



DAVEN Television Lamps

These lamps are designed to operate with an output tube in series. Will give excellent illumination with a current of 20 milliamperes or less. Where extremely bright illumination is required for maximum results, the tube may be loaded up to 80 milliamperes, by means of suitable output tubes singly or in parallel. Striking Voltage, 160; Internal Resistance, 1,000 ohms; Minimum Current to cover Four Prong Bakelite Base; Plate Area, 1 1/2 in. square.

No. R-4214. List, \$12.50. **\$8.58**
Your NET Price.....

DAVEN

Photo Electric Cells

For the advanced experimenters who desire to experiment with television transmission, a DAVEN Photo Electric Cell opens up a new field. This sensitive cell, ruggedly designed, can be used in experimenting with not only the art of Television Transmission, but talking movies, circuit control devices, relays, etc. With a single step of amplification, a deflection of 30 milliamperes has been obtained with a 100 watt lamp as a light source.

No. R-4215. Type P.C.-175 (1 1/2 in. Bulb diameter). List, \$20.00. **\$13.72**
Your NET Price.....

No. R-4216. Type P.C.-300 (3 in. Bulb diameter). List, \$37.50. **\$25.72**
Your NET Price.....



DAVEN Television Receiver

Completely wired. Includes Neon Lamp, Scanning Disc, Rheostat, Bushing, Cables, T-1 Amplifier, etc. Receiver does not include tubes.

No. R-4217.	With 24 Hole Scanning Disc	
No. R-4218.	With 36 Hole Scanning Disc	
No. R-4219.	With 45 Hole Scanning Disc	
No. R-4220.	With 48 Hole Scanning Disc	
List, Each, \$100.00. Your NET \$63.70		
Price.....		

DAVEN Resistor-Coupler

A complete stage of resistance coupling. It includes 1 plate resistor and 1 grid resistor. The special DAVEN "A" type coupling condenser is included in the base of unit. Terminals plainly marked.

No.	With Glastor Units	List, each, \$2.15.	Your NET
No. R-18502.	1st Stage.		
No. R-18503.	2nd Stage.		
No. R-18504.	3rd Stage.		
List, each, \$2.15. Your NET \$1.36			
Price.....			

No.	With Super-Davohm Units	List, each, \$4.65.	Your NET
No. R-18505.	1st Stage.		
No. R-18506.	2nd Stage.		
No. R-18507.	3rd Stage.		
List, each, \$4.65. Your \$2.96			
NET Price.....			

Carter Television

Carter Television is now operating on W1130 and W1AQ regular wave lengths (not short wave). Receiving apparatus will be ready within few weeks. We can supply it when announced.

Super Davohm



A small wire wound unit of high ohmic resistance, unchanging accuracy and efficiency.

No. R-18508.	10,000 ohms.	
No. R-18509.	15,000 ohms.	
No. R-18510.	20,000 ohms.	
No. R-18511.	25,000 ohms.	
No. R-18512.	35,000 ohms.	
No. R-18513.	50,000 ohms.	
No. R-18514.	75,000 ohms.	
List, \$1.50. Your NET Price..... \$1.10		
No. R-18515.	100,000 ohms.	
No. R-18516.	125,000 ohms.	
No. R-18517.	150,000 ohms.	
List, \$2.00. Your NET Price..... 1.47		
No. R-18518.	200,000 ohms.	
No. R-18519.	250,000 ohms.	
List, \$2.40. Your NET Price..... 1.76		
No. R-18520.	500,000 ohms.	
List, \$3.00. Your NET Price..... 2.20		
No. R-18521.	1 Meg.	
List, \$5.00. Your NET Price..... 3.67		
No. R-18522.	2 Meg.	
List, \$7.50. Your NET Price..... 5.51		
No. R-18523.	3 Meg.	
List, \$10.00. Your NET Price..... 7.35		

DAVEN Universal Motor and Rheostat

To receive satisfactory pictures it is essential that receiver scanning disc synchronize with disc at broadcasting station. This universal motor has proper speed and smoothness when used with DAVEN Universal Rheostat. For 110 Volt AC or DC.

No. R-4221.	DAVEN Universal Motor.	List, \$27.50. Your NET	\$17.52
Price.....			
No. R-4222.	Special Rheostat for Close Regulation. List, \$3.00.		\$1.91
Your NET Price.....			

DAVEN Bushing

To fit 1/4 in., 3/8 in., and 1/2 in. Motor Shafts. Specify size.

No. R-4223.	List, each, \$1.00.	64¢
Your NET Price.....		
No. R-4224.	Special bushing for 45 and 48 line discs. List, each, \$3.50.	\$2.23
Your NET Price.....		



TELION

Receiving Tube

For use in circuits where current values change rapidly. Can be modulated at all frequencies. Special electrode insures full uniform glow even at small currents. Fully tested and aged. Approx. characteristics: Striking potent, 130 V. Current at "dark point" 10 Mils. Max. 125 Mils. Instantaneous. Safe average current 50 mils.

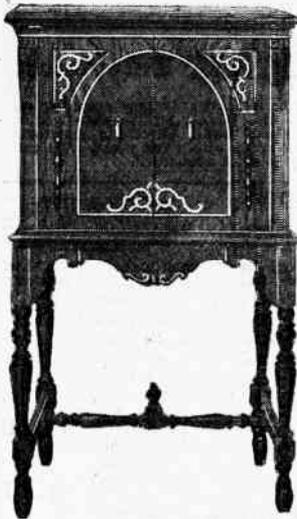
No. R-4225. List, **\$5.88**
\$10.00. Your NET Price.....

Raytheon Kino Lamp

Most popular tube for television reception. Plates are 1 1/2 square inches, providing total area of 2 1/4 square inches. Designed to work in the plate circuit of 171 tube in connection with proper amplifying apparatus. Works at 220 volts plate, draws 15 mils. Thousands of these tubes are now in use.

No. R-4200. List, \$12.50.
Your NET **\$7.35**
Price.....





Rockwood Console

From the period of Louis XVI, the world has received some of its most delightful creations in furniture design. The Rockwood is one of these models that just seems to blend itself into any environment with a nicety hard to describe. There is a certain delicacy about it. The rich feather-veined Oak matched into the central arch carries a feature of ornamentation rarely used except in very expensive models. Walnut, however, is the predominating material. One observes the clever tracings of delicate carvings that add distinction and character to the general design. It has a perfect piano finish, hand rubbed, exterior and interior.

Impervious lacquer, both on the inside and outside. It will house a wide variety of receivers and speakers. It stands 26 inches wide, 48 inches high, 18 inches deep. The set compartment measures 22 inches wide, 9 inches high and 13½ inches deep. The speaker space is 22 inches wide, 10½ inches high and 11½ inches deep.

No. IR-33109. Cabinet only, no speaker. List, \$90.00.

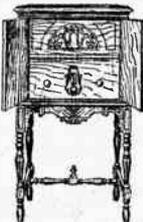
Your NET Price.....**\$52.92**

No. IR-33110. Cabinet fitted with Peerless Magnetic Cone Speaker. List, \$108.00.

Your NET Price.....**\$63.50**

No. IR-33111. Cabinet with Newcombe-Hawley Dynamic Speaker. List, \$140.00.

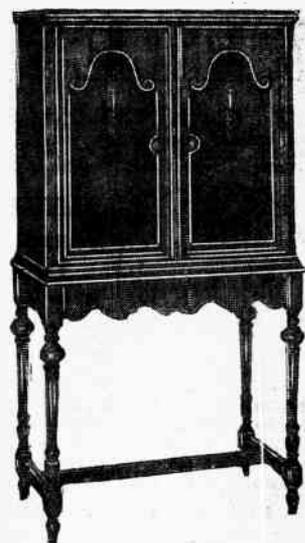
Your NET Price.....**\$82.32**



Lund Console

A most beautiful console by a distinguished cabinet maker—I. A. Lund. It is a wide high-boy type. The doors swing clear back flush with sides when opened and have stripe mahogany and matched butt walnut overlay, two-toned and highlighted; also ornamental shaded turnings. Carved shaded moldings at sides and top. Stripe mahogany and two-tone design on apron. In the smaller illustration you get some idea of the magnificent grille.

Outside dimensions are: 58 inches high, 31 inches wide and 16 inches deep. Set compartment is 29½ inches wide, 9¾ inches high and 12 inches deep. Inside dimensions of speaker space are 29½ inches wide, 12 inches deep and 17 inches high. Has blank panel on sliding pull-out mounting board.



There is a stately grace and reserve to this magnificent design that will grow upon you during the years of possession.

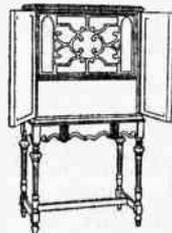
No. IR-33112. Cabinet only. List, \$104.00.

Your NET Price.....**\$61.15**

No. IR-33113. Cabinet with Magnetic Cone Speaker inbuilt. List, \$120.00.

Your NET Price.....**\$70.56**

No. IR-33114. Cabinet 72-inch Air Column Speaker. List, \$212.00. Your NET Price, **\$71.15**



Excello Spanish Console

Copied from an old Spanish wall cabinet, there is a pleasing charm to this pretty console. Such furniture grows on one through the years and the pride of possession increases with its age. The material is choice walnut, in the five-ply construction. The doors are striking in their beautiful matched butt grain. They are further set off with Spanish type strap hinges and fancy drop pulls, in keeping with the design. The doors fold back flush with sides when opened. The round grille is particularly attractive and the panel surrounding it is matched butt grain. The finish is hand rubbed lacquer, soft and pleasing and lasting.

The console stands 51 inches high, 26 inches wide and 16½ inches deep. Takes sets not over 9 inches high, 21 inches long and 12 inches deep. This compartment slides out like a drawer. The speaker compartment measures 10 inches high, 22 inches wide, 12½ inches deep.

No. IR-33115. Cabinet only. List, \$65.00.

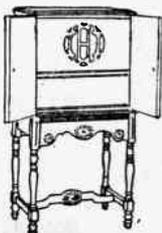
Your NET Price.....**\$38.22**

No. IR-33116. Cabinet equipped with Peerless Magnetic Cone Speaker. List, \$83.00.

Your NET Price.....**\$48.80**

No. IR-33117. Cabinet equipped with 110 volt AC Power Dynamic Speaker. List, \$104.50.

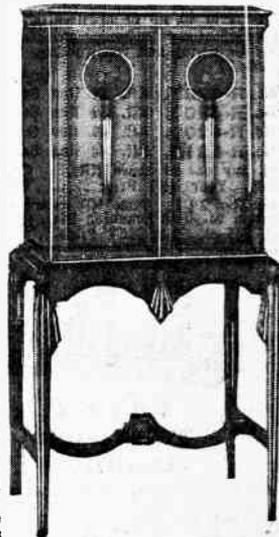
Your NET Price.....**\$61.45**



Lund Moderne Art Console

Widely considered the most beautiful Moderne Art design brought out this season. It is enjoying a wide vogue, although just announced a short time ago. The wood combination in this console is strikingly different. The doors are in beautiful natural grain blistered Maple with beaded panels and fancy figured burl overlay decorations. Curly maple frieze, drape effect carvings on legs and a pron, fluted legs and stretcher in "modern" design. Choice walnut sides and top. The doors fold back flush with sides when opened. You will be proud of this magnificent console always. The finish is hand rubbed and properly shaded.

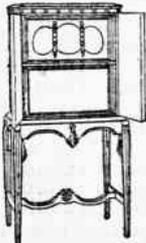
Dimensions: Outside measurements, 27½ inches wide, 57 inches high, 18½ inches deep. Accommodates any size panel up to 21 inches wide, 11 inches high, 13 inches deep. Inside measurement of speaker section is 21 inches wide, 11 inches high, 12½ inches deep. The chassis board is mounted on rollers and slides out like a drawer. The panel is blank.

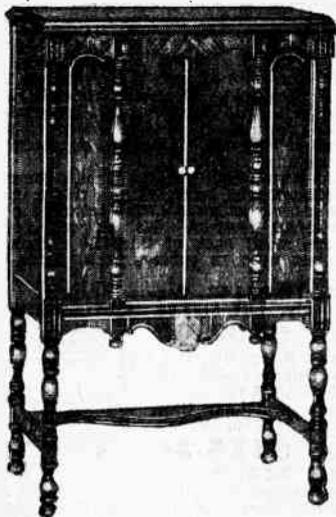


No. IR33118. Console only. List, \$98.00. NET.....**\$57.62**

No. IR-33119. Console fitted with Magnetic Cone Speaker. List \$114.00. Your NET Price.....**\$67.03**

No. IR-33120. Console fitted with 72-inch Air Column Speaker. List, \$115.00. Your NET Price.....**\$67.62**





The Carmen Console

Sliding Doors

The master creation of a world famous artist in furniture design, an authority with over 38 years successful experience.

No more beautiful cabinet could be desired than THE CARMEN—and the price is not the least of its attractions. This new slide-door design gives a two-door effect and eliminates cutting a special panel for certain receivers. Ample space for any type of standard nationally advertised speaker. We install before shipment three-quarter inch baffle effect. THE CARMEN is equipped with a full screen back insuring ventilation, also a slotted set compartment bottom which is an exclusive ventilating feature. The handsome stretcher beneath the cabinet is flush with back legs—allowing full room to clean under cabinet with sweeper or vacuum. Details: Hand-rubbed, rich walnut finish; ash burl overlays on side panels of front; top border reverse matched zebra-wood; split turning overlays; rosette medallion x-brs-wood on cabinet apron; slide-doors four-way matched butt walnut; end panels walnut veneer; walnut veneered rail beneath set compartment. Dimensions: Height, 43 inches; width, 28 inches; depth, 17 inches.

No. 3R-33131. With Power Dynamic Speaker, 110 volts AC operated. List \$97.00. Your NET Price..... **\$57.04**

No. 3R-33132. With Magnetic Cone Speaker. List \$75.50. Your NET Price..... **\$43.22**

No. 1R-33133. Cabinet Only—No Speaker. List \$57.50. Your NET Price..... **\$33.81**

The Kent Console

A rare treat for the discriminating furniture buyer and connoisseur of beauty. The dignified, conservative charm of its design and finish is substantiated and matched by the selected wood of its component parts. The case is of genuine black walnut and selected gum wood. The doors of English Swirled Oak disappear when opened. The inside panels are a beautiful matched butt walnut. The sturdy reliable hardware is in a subdued antique brass finish. The applique design on the corners of the beautiful cabinet is in pleasing harmony with the border around the table top and gives a pleasing finishing touch to the entire console. The graceful twisted style legs have rigid support in the ball style base. The lacquer throughout is finely highlighted, shaded and hand rubbed. The overall dimensions of the case are: Height, 49 inches; width, 30 inches; depth, 16 1/2 inches. The dimensions of the set compartment are: Height, 9 inches; width, 22 1/2 inches; depth, 13 inches. The speaker compartment measures 8 3/4 inches high, 24 inches wide, 13 1/2 inches deep. Shipping weight, 105 lbs.



No. 3R-33135. Kent Console with Power Dynamic Speaker. List \$122.90. Your Special NET Price..... **\$72.27**

No. 3R-33134. Kent Console with Magnetic Type Cone Speaker. List \$99.40. Your Special NET Price..... **\$58.45**

No. 1R-33136. Kent Console without speaker. List \$83.40. Your Special NET Price..... **\$48.95**

The Chelsea Console

A stalwart magnificent cabinet of the late James II Period design of dimensions large enough to accommodate the larger sets. The matched Butt Walnut doors are framed by shaped mouldings. Dainty overlays decorate the corners. When opened for use of set, the doors fold well back to sides. The apron carries a figured overlay to advantage. The legs, well proportioned, with fluted turnings, are supported by a stretcher with a decorative turning in its center. A carefully designed grille, shaped and backed with delicate fretwork, adds to the beauty of this cabinet. To prevent warping, the full back is framed and paneled. It is held in place by automatic catches. The baffle characteristics are excellent for

magnetic and dynamic cone speakers. A draw type set shelf with easily interchangeable front panel feature is standard on this console. The walnut plywood panel is 9 in. x 29 1/2 in. Overall dimensions of console are: Height, 55 in.; width, 33 in.; depth, 16 1/2 in.

No. 3R-33137. Chelsea Console with Power Dynamic Speaker. List \$130.50. Your Special NET Price, **\$76.73**

No. 3R-33138. Chelsea Console with Magnetic Cone Speaker. List \$107.00. Your Special NET Price, **\$62.92**

No. 1R-33139. Chelsea Console without Speaker. List \$91.00. Your NET Price, **\$53.51**

Excello R46 Console

Medium console adapted to AC or DC set installation and with speaker compartment large enough to take an exponential horn. The set is installed at the top and the cover is hinged for easy access. Made with five-ply walnut veneered top and panels. The doors are of selected matched butt walnut grain. Finished in the popular neutral brown walnut shade, hand rubbed. Takes any receiver up to 21 inches wide, 9 1/2 inches high, 12 1/2 inches deep. The panel comes plain and may be cut as desired. The speaker compartment is 21 inches wide, 12 inches high and 13 inches deep—room enough for speaker and power units.

The console stands 40 inches high, 27 inches wide, 16 inches deep, outside measurements. The design is a pleasing, plain modern effect with turned legs firmly braced. Antique door pulls. A very popular model.

No. 1R-33190. Console Only. List \$50.00. Your NET Price, **\$29.40**

No. 3R-33191. With Air Column Horn and Unit. List \$60.00. Your NET Price, **\$35.28**

No. 3R-33192. With Peerless Magnetic Cone Speaker. List \$68.00. Your NET Price, **\$39.98**



Made in Grand Rapids



Popular Models for Custom Built Super Sets

Aston Egyptian Design Console



Picture and words can make but feeble attempt to portray the striking magnificence and splendor of this gorgeous console. It is the sort of rich furniture that you find in the most expensively furnished homes, yet at our special prices, it is within the reach of almost everyone.

Designed along Egyptian lines, exquisite, the natural constant beauty is undisputed. There is a "feel of the wood" that the eye caresses, as the fingers do old velvet or fine silk. Of a size to meet the present demand of small apartments, staunchly built of select five ply Walnut. Doors of beautifully figured matched Walnut which fold back against the sides. Carved legs joined with a pleasingly designed stretcher. Sliding tray for Radio, making easy access to the set. A sliding shelf provided, which can be used as an arm rest, is found very convenient when operating the radio. Back of Cabinet is fitted with a removable framed woven wire cloth window for the emission of back waves. Speaker baffle board installed when ordered speaker-equipped. Size overall: 57 in. high, 32½ in. wide, 18 in. deep. Set Compartment is 9 in. high, 28½ in. wide, 13 in. deep. Mounting Panel is 9 in. high, 28½ in. wide. Speaker Compartment is 13 in. high, 28½ in. wide, 13½ in. deep.

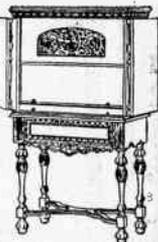
The purchase of such a console is a lifetime investment. Perfectly made in every detail, it will last through generations, handed down as an heirloom like the rich old pieces of long ago. It pays to buy furniture of this kind.

The panel front is large enough for most superheterodyne receivers and this magnificent console makes a fitting setting for the very finest receiver. We, as well as the maker, stand back of this fine console as the last word in cabinet work, finish and value.

No. 1R-33143. Console only. List, \$175.00. NET Price... **\$102.90**

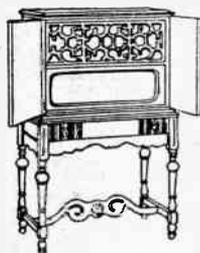
No. 1R-33144. Console Equipped with 120-inch Utah Air Column horn and DeLuxe Unit. List, \$196.00. Your NET Price... **\$115.25**

No. 1R-33145. Console Equipped with Utah Dynamic Speaker. List, \$225.00. Your NET Price, **\$132.30**



Excello Highboy Console R-43

This is another striking example of how cleverly the designers have drawn on various old period patterns, fittingly combined them and fitted them to Radio use.



The result is a console of very pleasing proportions. This is a real quality console offered at a most attractive price. It is built of walnut throughout. The doors and short panel on drawer front have beautifully matched butt walnut grain. Rich piano finish. The receiver compartment is a sliding

drawer providing easy access to the set. It measures 29 inches long, 9½ inches high and 13 inches deep. There is abundant room in the speaker compartment for any type speaker. It measures: 10 inches high, 29 inches wide and 14½ inches deep. The

large drawer below set compartment is handy for stationery, etc. The outside measurements of cabinet are: 55 inches high, 34 inches wide and 18 inches deep.

Those who like conservative lines—just enough fancy work—will be delighted with this pretty design. It is the kind of design that grows on you through the years.

No. 1R-33146. Console only. List, \$100.00. Your NET Price... **\$58.80**

No. 1R-33147. Console with Peerless Cone Speaker. List, \$118.00. Your NET Price... **\$69.38**

No. 1R-33148. Console with Radiola 100-A Speaker. List, \$125.00. Your NET Price... **\$73.50**

No. 1R-33149. Console with Newcombe-Hawley Dynamic Speaker. List, \$150.00. Your NET Price... **\$88.20**



Grand Rapids Georgian Console

Adapted from the Early Georgian Period, this is a console of rare and stately grandeur. It is of the orthophonic type, suitable for installation of any kind of speaker and providing abundant space for power units in battery operated receivers. The base is heavy construction and clears the floor for easy cleaning beneath. The doors, of choice matched butt Walnut, are heavily overlaid with mouldings and carvings, and when opened fold back flush with sides. The heavy carved moulding gives the massive appearance that this type of cabinet must have. The top lifts to allow easy access to set. A very convenient arm rest slides from beneath the set panel. The finish is typical of Grand Rapids, skillfully shaded and hand rubbed. The back, which is framed and paneled, is easily removed, exposing the complete speaker compartment.

Dimensions: Outside measurements are 43 inches high, 31½ inches wide and 18 inches deep. Set space is 10½ inches high, 24 inches long and 13¾ inches deep. Speaker space is 20 inches high, 24 inches wide and 13¾ inches deep. Has a blank panel that can be cut to suit. This panel measures 7½x24 inches.

No. 1R-33150. Console only. List, \$117.00. Your NET Price... **\$68.80**

No. 3R-33151. Console with Magnetic Cone Speaker. List, \$133.00. Your NET Price... **\$78.20**

No. 3R-33152. Console with 120-inch Utah Air Column Speaker and DeLuxe Unit. List, \$138.00. Your NET Price... **\$81.14**

No. 3R-33153. Console with Power Dynamic Speaker. List, \$156.50. Your NET Price... **\$92.02**



Superior Italian Design Console

This magnificent console bespeaks eloquently the mode and vogue for adaptations of the old period designs. It is a faithful reproduction of Italian designing with its origin about 1640 A. D. The cabinet makers of that day wrought many beautiful wall cabinets. Our present day designers have drawn inspiration from these to fashion these wonderfully beautiful radio consoles. The tops and ends are 5-ply faced with beautifully figured walnut. The doors are V-matched imported English Pollard Oak overlaid with heavy walnut scroll panels and ornamental wood mouldings. Solid brass knobs. There is a roomy drawer faced with the same wood as the doors and equipped with antique drop pulls.

The Purchase of Good Radio Furniture Is a Lifetime Investment! It Always Pays!

with the same wood as the doors and equipped with antique drop pulls.

Dimensions: Outside measurements are 30 $\frac{1}{2}$ inches high, 27 $\frac{1}{2}$ inches wide and 18 inches deep. The receiver compartment is 24 inches wide, 10 inches high and 13 $\frac{1}{4}$ inches deep. Chassis of set fits into a slide-out drawer permitting easy access. The speaker compartment is 24 inches wide, 13 $\frac{1}{4}$ inches deep and 9 $\frac{1}{4}$ inches high.

Such a console belongs to the beautiful things of the ages. It is the kind of furniture that is purchased by substantial people of taste and then handed down from generation to generation. It certainly is a beautiful setting for the most expensive receiver and will grace the most sumptuously fitted home.

No. IR-33122. Console only. List, \$89.00. Your NET Price..... **\$52.33**
 No. 3R-33123. Console with Magnetic Cone Speaker. List, \$105.00. Your NET Price..... **\$61.74**
 No. 3R-33124. Console with Power Dynamic Speaker. List, \$128.50. Your NET Price..... **\$75.56**



See The Great New SETCO Dynamic Speaker, Page 43

Moderne French Design Console

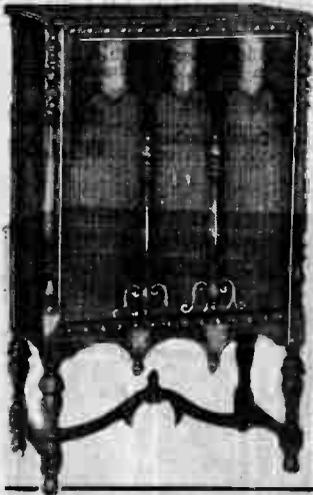
For real snap and verve in design we have always looked to the French influence. Here we find it classically depicted in a console of splendor and richness, yet with that "moderne" air that strikes the popular fancy today. It is constructed by skilled cabinet makers of the most select woods. The principal material is fine American walnut. The distinctively patterned front is deftly arranged in panels of beautifully figured burl grain, Queensland figured walnut, with genuine Satinwood overlays. The corner posts and panels are further embellished with genuine cut molded turnings. Note especially the beautifully turned legs and saucy up-turned twist of the cross stretcher.

As the small illustration depicts, the grille is in keeping, the fretwork being in sweeping, swagger lines.

Dimensions: Outside measurements, 45 inches high, 25 $\frac{1}{4}$ inches wide and 16 $\frac{1}{4}$ inches deep. The set compartment measures 23 inches wide, 9 $\frac{1}{4}$ inches high and 13 $\frac{1}{4}$ inches deep.

This cabinet is a splendid one for D-C sets, providing space for power units.

No. IR-33125. Console only. List, \$59.00. Your NET Price..... **\$34.69**
 No. IR-33126. Console with Utah Power Motor Magnetic Cone Speaker. List, \$69.00. Your NET Price... **\$40.57**
 No. IR-33127. Console with Utah Dynola (Dynamic) Speaker. List, \$99.00. Your NET Price... **\$58.21**



Combination Phono-Radio Console

This is a most popular design of the very popular combination of phonograph and radio. This model is a most clever and attractive moderne effect characterized by the use of good materials and rich finish. It is made of walnut with select matched butt walnut veneer doors and front panel. The receiver compartment is a drawer and measures 24 x 9 x 14 inches deep. The panel comes blank so that it can be drilled or cut for any desired receiver. Above the set compartment is a phonograph with a genuine General Electric electric motor, volume control, adapter, electric pick-up with tone arm and automatic

shut-off attachment. All this equipment is of the highest quality. A switch is provided for changing from radio to phonograph and vice versa. The speaker compartment measures 13 in. high, 15 in. wide and 16 in. deep, providing space for Cone or Dynamic Speaker, as well as space for power units when used for D-C sets.

The console measures, outside, 50 in. high, 28 in. wide, 10 in. deep.

No. IR-33196. Cabinet only. List, \$100.00. Your NET Price..... **\$58.80**

No. IR-33193. Console with Phonograph Equipment as listed, but no speaker. List, \$180.00. Your NET Price..... **\$105.84**

No. IR-33194. Console with Phonograph Equipment and Peerless Cone Speaker. List, \$198.00. Your NET Price..... **\$116.42**

No. IR-33195. Console with Phonograph Equipment and A-C Dynamic Speaker. List, \$235.00. Your NET Price..... **\$138.18**



Excello R-44



The Brentwood Console

You must see the Brentwood to fully realize the massive beauty of this wonderful Italian design wall cabinet. The entire front is one hundred per cent matched figured butt walnut, richly blended, and the interior is as beautiful as the exterior. The beautiful scroll may be fitted either in the top compartment or the bottom compartment, above or below the set as desired—this is done for any who desire to install an electric phonograph in conjunction with the radio. It is constructed of choice American walnut, with richly blended and matched veneers. Dull rubbed finish—an effect that harmonizes with all furnishings. It stands 53 inches high, 32 inches wide and 20 inches deep. It will house radio set up to 24 inches in length, 10 inches in height and 16 inches in depth. This great console is surely a year ahead in design. There has been a marked swing toward cabinets that have the "elevated" base, to permit sweeping underneath the body of it. Shipping wt., 140 lbs.



- No. IR-3395. Without Horn. List, \$125.00.
 Your NET Price..... **\$73.50**
 No. IR-3396. With Peerless Cone Speaker Inbuilt.
 List, \$143.00. Your NET Price..... **\$84.08**
 No. IR-33198. With Temple Air Chrome Inbuilt.
 List, \$145.00. Your NET Price..... **\$85.26**
 Extra for hinging top and providing for motor board when it is desired for use with combination radio and phonograph. List, \$4.00.
 Your NET Price..... **\$2.35**

The Glenwood Console

The Glenwood is a pleasing adaptation of the new popular period design, known as Moderné French. Its lines are very dainty and the cabinet carries an air of refinement that is instantly recognized. The swaggar effect of the base gives the cabinet wonderful poise and the well balanced ornamentation wins admirers at sight. The sales merit of this model has already been proven and we unreservedly endorse it to you. There is an unmistakable air of newness about The Glenwood, as it really is admirably adapted to A-C Radio Receivers of popular price. Produced in richly blended walnut, beautifully hand rubbed velvet finish.



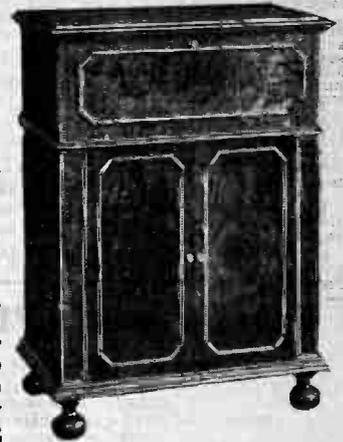
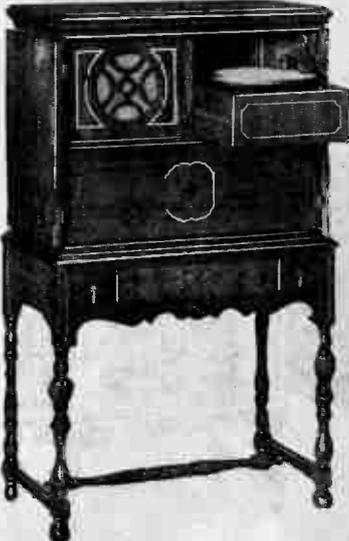
- Dimensions: Height, 47 inches; width, 30 inches; depth, 18 inches. Will house receiving set up to 26 inches in length, 10 inches in height, and 13 inches in depth.
 No. IR-3383. Without Speaker. List, \$75.00.
 Your NET Price..... **\$44.10**
 No. IR-3398. With Inbuilt Peerless Cone Speaker.
 List, \$93.00. Your NET Price..... **\$54.68**
 No. IR-33199. With Temple Air Chrome Inbuilt. List, \$95.00.
 Your NET Price..... **\$55.86**

Excello R31 Console

FOR AC OR BATTERY TYPE RECEIVERS

A DeLuxe model of American Walnut with five-ply Walnut veneer top and panels. Its massive, simple, almost severe beauty makes it a commanding article of furniture that gives an imposing dignity and atmosphere to any room. The doors are five-ply selected and matched butt Walnut veneer. The receiver compartment is 29x10x13 1/2 inches deep. Special panel arrangement to fit all standard receivers. The speaker compartment is 25x24x14 1/2 in. deep, with removable grille and houses Cone Speaker or Horn. The top cabinet door drops desk-style to tune the set and top raises on substantial piano hinge. Dimensions: Outside measurements, height, 42 inches; width, 32 1/2 inches; depth, 18 1/2 inches.

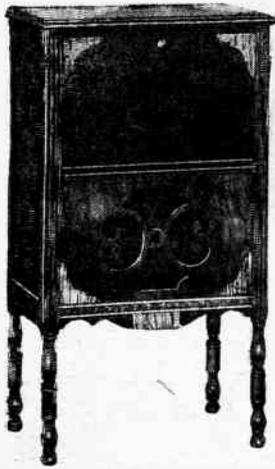
- No. IR-33181. Excello R31. Console without Speaker.
 List, \$90.00. Your NET Price..... **\$52.92**
 No. IR-33182. Excello R31 Console with Built-in Air-Column Horn Speaker. List, \$100.00. Your Special NET Price..... **\$58.80**
 No. IR-33183. Excello R31 Console with Built-in Air-Chrome Speaker. List, \$115.00. Your Special NET Price..... **\$67.62**



Combination Radio-Phonograph Console

The design of this cabinet is of that skilled artistic simplicity that builds a spell of charm. Its pleasing proportions, occasional deft tracing and the tasteful blending and matching of woods marks it a masterpiece of the cabinet makers' art. It is made of American Walnut in the soft natural brown finish with the doors in beautiful burl grain and a light overlay on drawer front. The drawer under receiver is convenient for records. The inbuilt Electric Phonograph consists of the famous Pacent non-inductive electric motor, tone arm and pick-up. The pick-up employs the audio system of the receiver for electrical reproduction of records through the speaker. This equipment is mounted on slide-out tray as illustrated, and when not in use interferes in no way with receiver reception. A simple switch provides instant tripping from one to the other. The panel can be cut for any set. It takes a Radiola 18 in its original box. The panel maximum is 28 3/4 in. wide by 9 3/4 in. high. The overall size of the console is: height, 54 in.; 30 1/2 in. wide; 16 1/2 in. deep. Prices include the Electric Phonograph equipment as described.

- No. IR-33184. Console without Speaker.
 List, \$167.50. Your NET Price..... **\$98.49**
 No. 3R-33186. Console with Magnetic Cone Speaker.
 List, \$183.50. Your Special NET Price..... **\$107.90**
 No. 3R-33185. Console with Power Dynamic Speaker, 110 A-C.
 List, \$207.00. Your Special NET Price..... **\$121.72**



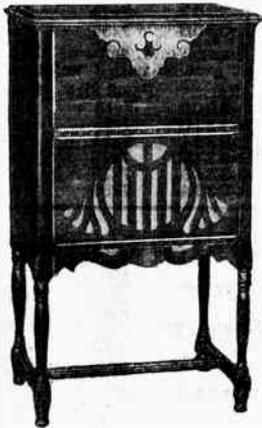
Ramona Console

The Ramona is a desk type cabinet, that is, the set compartment front lowers and can be used as a desk, because it is securely supported with two drop slide-hinges, instead of one which is usual in merchandise of this price range. The baffle board may be cut to accommodate any speaker. This substantial cabinet is made of Zebra-wood overlays. The drop desk type front panel is of four-way matched butt walnut. The solid post construction and routed design of the console emphasizes the graceful grille pattern. The rich grille screen enhances the beauty of the scroll cut grille in front of speaker compartment. The set compartment is especially ventilated and has a slotted bottom. Back of selected plywood. End panels of rich walnut veneer and the corner posts are neatly fluted. The legs are handsomely turned. Dimensions: Height, 40½ in.; width, 22½ in. Set panel is 11x21½ in. List, \$36.50.

- No. IR-33176. Console only, Your NET Price..... **\$21.46**
 No. IR-33188. Console, complete with Radola 100A Speaker. List, \$58.75. Your NET Price..... **\$34.54**
 No. IR-33187. Console, complete with Peerless AC Dynamic. List, \$88.75. Your NET Price..... **\$52.18**

Franklin Console

This particularly pleasing console of modern design is in accordance with the latest trends in smart furniture compatible with good taste. It employs just enough ornamentation to alleviate the severity of its outline. It is made of selected American Walnut with imported overlays on the drop leaf and apron front. The finely patterned moulding creates an attractive setting for the graceful, harp style grille. The finish is hand rubbed—mirror-like and satiny. The top raises on a substantial hinge support and the leaf drops desk style. The neat turned legs and gracefully rounded corner posts add to the charm of the design. The outside dimensions are 37 in. high, 21¼ in. wide, 15 in. deep. Set compartment 19 in. wide, 7¼ in. high, 11¼ in. deep. Equipped with either Magnetic or Dynamic speaker.



- No. IR-33177. With Built-in Speaker. Utah Dynola Dynamic 110 AC Speaker. List, \$66.50. Your NET Price..... **\$33.10**
 No. IR-33178. With Built-in Utah Magnetic Cone Speaker. List, \$36.50. Your NET Price..... **\$21.46**

Brookwood Console

Here is an inexpensive yet attractive cabinet that will house even the biggest radio set and dress any room into which it is placed. It is provided with a drop door on which to rest when tuning in and which can be closed hiding the radio set from view. Produced in a rich hand-rubbed A d a m Brown mahogany finish, it is daintily carved with delicate vein lining. The beautiful ornamental scroll is a baffle to the reproducer.



- Height, 38 inches; width, 30 inches; depth, 16 inches.
 No. IR-3392. Without Speaker. List, \$39.00. Your NET Price..... **\$22.93**
 No. IR-3391. With Inbuilt Peerless Cone Speaker. List, \$57.00. Your NET Price..... **\$33.52**
 No. IR-33189. With Inbuilt Temple Air-Chrome Speaker, size 9¼x21. List, \$59.00. Your NET Price..... **\$34.69**
 No. IR-33197. With Inbuilt Newcombe Hawley Dynamic Speaker. List, \$89.00. Your NET Price..... **\$52.33**

Speaker Console

This console best answers the purpose of those who do not need a built-in speaker but have a separate speaker. For long service, dependability and low price you cannot buy better value in radio furniture. The hardware, materials, and workmanship put into this console measure fully up to the high standard set by the manufacturer. The rich mahogany finish is smooth as a mirror and velvet-like in feel. Overall dimensions: Height, 38 in.; width, 30 in.; depth, 16 in.



- No. IR-3394. List, \$35.00. Your NET Price..... **\$20.58**

Popular Style Speaker Consoles at Lowest Wholesale Prices



A sturdy substantial console made of selected American Walnut in two tone hand-rubbed finish. The ample durable legs are pleasingly rounded and corner posts a pretty fluted pattern. Large enough for cone or dynamic speaker. Height, 33 in.; width, 31 in.; depth, 17½ in.

- No. IR-33179. List, \$27.50. Your NET Price..... **\$16.17**



An especially well designed piece. Made of selected walnut with very attractive grille. Finished in antique walnut richly high-lighted and velvety smooth. Height, 33 in. Net top size, 17½x31 in. Shpg. wt., 65 lbs.

- No. IR-33180. List, \$18.00. Your NET Price.... **\$10.58**



A genuine Black Walnut and selected American gumwood table. Satinwood overlay on Speaker Panel. Graceful twisted style legs. Lacquer finish is finely high-lighted, shaded and rubbed. 29 in. high, 32½ in. wide, 14¼ in. deep. Shpg. wt., 60 lbs.

- No. IR-33181. List, \$31.40. Your NET Price..... **\$18.44**



Spinet Desk With Speaker Grille

Here is a well designed solidly built piece of furniture that will stand the test of time. Although graceful and ornamental in design it has not that fragile, flimsy, "don't get too near me appearance" that cautions against habitual usage and worries the careful housewife who is the mother of a active growing youngsters. It's all-around five-ply walnut veneer has a clear, superior quality finish that is not easily marred or changed. Has a lift top with genuine matched butt burl walnut drop door, richly set off with beautifully carved moulding above and below. Overall size, 40 in. high; 31 1/2 in. wide; 17 1/2 in. deep. Panel size, 9 1/4 in. x 28 3/4 in. 13 1/4 in. deep.

No. IR-33154. List \$26.46

\$45.00. Your NET Price.....

Speaker Console

Without question a very neat and classy speaker console. In design it follows the popular Hepplewhite period and with its rich, hand rubbed warm blending of shaded mahogany in a test effect, you can sell it to the most discriminating and be sure of a booster. 30 in. high, 30 in. wide, 16 in. deep. Plenty of space on top for any Radio Set. Space for Power Units, too. Full back with ventilators.

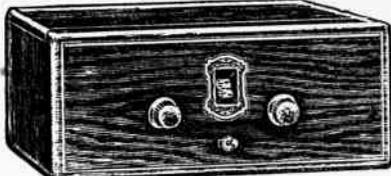


No. IR-3393. With built-in Magnetic Cone Speaker. List \$47.50. Your Special NET

\$27.93

No. IR-3394. Without Speaker. List, \$27.50. Your NET Price.....

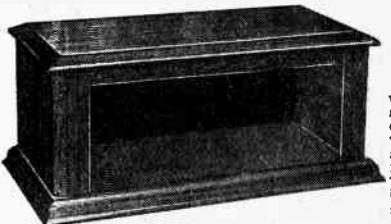
\$16.17



New Flush Type Cabinet

Made of quality American Walnut, hand rubbed and polished to a beautiful lustre. This modern styled flush type table cabinet is being used on some of the most expensive radio sets. Measures: Outside length, 20 in. Height, 8 1/2 in. Depth, panel to back, 12 in. for receivers having a panel size of 7x18 in. However the plain front built-in panel (not drilled) can be cut to accommodate any size escutcheon. Shipping weight, crated, is 35 lbs.

No. IR-33155. List, \$15.00. Your NET Price..... \$8.82



Michigan Cabinet

A beautiful cabinet with hand rubbed top and ends. Bottom of cabinet 8 inches high with 1-inch strip across the top; making it adaptable to 7-inch high panel, 10 inches deep. Has a sub-base moulding 1 1/4 inches high. The cabinet in a rich Walnut finish. Packed one in carton. Furnished in the following sizes:

No.	IR-33156	Size, 7x18	List \$12.00	Your NET Price \$7.06
No.	IR-33157	Size, 7x21	12.75	7.50
No.	IR-33158	Size, 7x24	14.50	7.94
No.	IR-33159	Size, 7x26	14.50	8.53
No.	IR-33160	Size, 7x28	15.50	9.11
No.	IR-33161	Size, 7x30	16.25	9.55



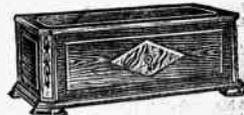
FRITTS Standard Super Cabinets

The inherent character of design and craftsmanship in these cabinets attracts those who recognize the best. Quality is built clean through. Made of solid walnut throughout. Full 12 in deep. Finish varnished, water and oil rubbed.

The carvings are polychromed. Top and sides slightly raised with panel effect. Nickeled full piano hinges and lid stay. For 7-inch panel.

To use on 8-inch panel, remove top decorative strip.

All cabinets 8 inches high inside.



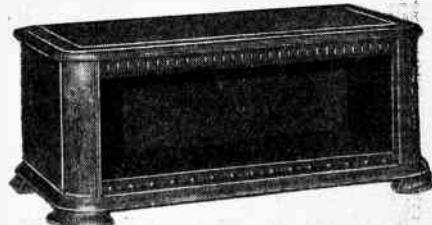
Super Vesta Model

No.	Panel Size	Shpg. wt.	List	NET
IR-3303	7x18	45 lbs.	\$21.00	\$11.73
2R-3304	7x21	45 lbs.	22.00	12.29
2R-3305	7x24	50 lbs.	22.50	12.57
IR-3306	7x26	55 lbs.	23.50	13.13
IR-3307	7x28	60 lbs.	24.50	13.69
IR-3308	7x30	65 lbs.	26.50	14.81

Super Vesta, same as above with Front Door. Diamond-inset genuine buried walnut.

No.	Panel Size	Shpg. wt.	List	NET
IR-3309	7x18	50 lbs.	\$30.00	\$16.76
IR-3310	7x21	50 lbs.	32.00	17.88
IR-3311	7x24	55 lbs.	35.00	19.55
IR-3312	7x26	60 lbs.	36.50	19.39
IR-3313	7x28	65 lbs.	38.00	21.51
IR-3314	7x30	70 lbs.	45.00	25.14

Wain-rite Quality Cabinets

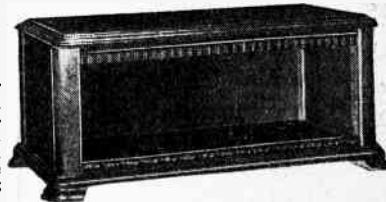


Unsurpassed in material and workmanship. Body is solid walnut. Back and inside center of base, best grade gum. Finish is Dark American Walnut. Varnished and hand rubbed to smooth satin finish. Lid with nickeled full piano hinge and lid stay. Full 12 in. deep.

No.	Panel Size	Shpg. wt.	List	NET
IR-33162	7x18	22 lbs.	\$15.00	\$ 8.82
IR-33163	7x21	24 lbs.	17.00	10.00
IR-33164	7x24	26 lbs.	18.00	10.58
IR-33165	8x24	27 lbs.	19.00	11.17
IR-33166	7x26	30 lbs.	19.00	11.17
IR-33167	7x28	32 lbs.	20.00	11.76
IR-33168	7x30	34 lbs.	21.00	12.36

Palisade Cabinet

Very popular design cabinet in Walnut and Varnish finish. Full piano hinge and lid stay. Inside height, 8 in.; depth, full 12 in. Most amazing values in the market.



No.	Panel Size	List	NET
IR-33169	7x14	\$10.00	\$ 5.88
IR-33170	7x18	12.00	7.06
IR-33171	7x21	13.00	7.64
IR-33172	7x24	14.00	8.23
IR-33173	7x26	15.00	8.82
IR-33174	7x28	16.00	9.41
IR-33175	7x30	17.00	10.00

INDEX TO WORLD'S BEST RADIO VALUES

A

"A" Batteries 56, 58
 ABC Socket Power Units 25, 26, 29, 30, 52, 53, 54, 55, 56
 ABOX Power Units 54
 Abox Dynamic Speakers 45
 AC Filament Supply Transformers 36, 53, 54, 58
 AC Line Voltage Regulators 82
 AC Meters 37, 39, 41
 AC Power Amplifiers 36, 37, 39
 AC Transformers 36, 38, 54, 88
 AC Tubes 40, 41, 42, 80
 ACME Parvot Condensers 68
 Adapters, Phonograph 51, 59
AERIAL Equipment 61, 88
 AERO Coil Pads 10, 60, 61, 88
 Aero Coils 23, 33, 35, 62, 63
 "A" Eliminators 52, 54, 56, 69
 "A" Filters 53, 54
AIR CHROME Speakers 44, 45, 48
 Airborne Dynamic Speaker 44
 Air Column Horns 45
 Aluminum 85
 Ammeters, Radio 34, 57, 58
AMPERITES 76
 Amplifiers, Power 26, 29, 30, 31, 36, 37, 39, 39
 Amplifiers, Resonance Coupled 89
 Amplifiers, Television 89
 Analyzers, Set and Tube 86, 87
 ANSONIA Speakers 46
 Antenna Equipment 19, 60, 61, 88
 Appliances, Electrical 98
 "A" Socket Power Units 25, 26, 29, 30, 52, 53, 54, 56
ARCTURUS Tubes 42
 Arresters, Lightning 60
 Audio Amplifiers 29
AUDIO TRANSFORMERS 63, 70, 71, 72, 73
 Automatic Power Controls 55, 58, 82
 Automatic Switches 82

B

"B" Eliminators 38, 37, 39, 52, 53, 54
 "B" Eliminator Condenser Blocks 38, 39, 68, 69
 "B" Eliminator Voltmeter 57, 88
 "B" Socket Powers 36, 37, 39, 52, 53, 54
 Bakelite Dies and Knobs 83, 84
 Bakelite Panels 83, 84
 Bakelite Tubing 85
BALKITE Power Units 53, 55, 56
 Baldwin Units 49
 Baseboards 22, 38, 83
 Batteries, Radio 19, 56, 58
 Battery Cabinets 52, 55
 Battery Chargers 52, 55
 Battery Mats 58
 Battery Meters 57, 58, 86
 Battery Switches 55, 58, 82, 83
 Battery Terminals 58
 Battery Testers 57, 58, 59, 89
 Bell Wire 84
 Binding Posts 84
 Binding Post Strips 84
 Blow Torches 59
BOOKS, Radio 81
 Brackets, Sub-Panel 63, 83, 84
 Broadcaster, Home 61
BROWNING-DRAKE Kits and Parts 28
 Browning-Drake Coils 64
 By-Pass Condensers 68, 69

C

"C" Batteries 10, 56
 Cabinets, Radio 20, 21, 22
 Cabinets, Metal 20, 21, 22
 Cable Connectors 59
 Cable Markers 58
 Cages, Battery 22, 59
 Cage Antennas 81
 Call Book, Citizens Radio 81
CARTER Radio Products 74, 75, 76, 77, 78, 79, 82, 83
 CE CO Tubes 41
 Cement, Radio Insulating 85
 Center-Tapped Resistances 76, 78
 Chargers, Battery 52, 55
 Choke Coils 35, 38, 39, 62, 63, 64
 Citizens Radio Call Book 81
 Clamps, Ground 60, 61
CARSTATS 58
 Clips, Battery 58
 Clips, Grid Leak 77
 Code Practice Set 35
COILS, Radio 31, 32, 33, 34, 35, 62, 63, 64
 Coils, Choke 35, 38, 39, 62, 63, 64
 Coils, Short 28, 32, 33, 34, 35, 62
COMMANDER Stage Shielded AC8 Radio Receiver 2, 14, 15, 16
COMMANDER Stage Shielded AC9 Radio Receiver 12, 13
 Condenser Slits 68
 Condensers, Film 68
 Condensers, By-Pass 68, 69
 Condensers, Variable 84, 85, 65, 66, 67

CONE SPEAKERS 44, 45, 46, 47, 48
 Connectors, Battery Cable 59
 Connectors, Speaker 51, 73
 Connectors, Wire 84
CONSOLES, Radio 80-96
 Contact Points 84
 Convenience Outlet Plates 19
 Cords, Extension 51, 58
 Corn Popper, Electric 98
 Countersinks 87
 Crystal Detectors 42
 Cutters, Panel 87

D

"D" Coils, Ellis 64
 Daven Products 33, 73, 89
 Daven Television Apparatus 89
 Detectors, Crystal 42
 Detector Tubes 40, 41, 42, 89
DC Radio Receivers 31, 80, 81
DIALS 31, 80, 81
 Dial Lights 80, 82
 Dies, Tap 57
 Drills 37
 Dry Batteries 19, 56
 Dulce-Tone 49
 Duplicator Ducon 60
DYNAMIC SPEAKERS 43, 44, 45, 48, 49
 Efferase Antenna 61
 Electric Phonograph Pick-Ups 51
Electric Phonograph-Radio Combination 8, 16
 Eliminators, Radio A, B & C 30, 37, 39, 52, 53, 54, 55, 56
 ELKON Products 42, 55
 Electrode 78
ELECTRICAL APPLIANCES 98
 Encyclopedia, Radio 81
 Equalizing Condensers 28, 65, 66, 67
 Enso 3-Foot Cone 31
 Equalizer, Single Control 31
 Eskimo Kitchen Mechanical 98
 Exponential Horns 48
 Extension Cords 51, 58

F

Fairfax Speaker 46
 Ferranti Transformers 71
 Filament Control Resistors 73, 74, 75, 76, 77, 78
 Filament Supply Transformers 35, 86
 Filter Condensers 68, 69
 Filters, Speaker 50
 Fixed Condensers 68, 69
 Formica Panels 83
 Furniture, Metal 5, 14

G

Giant Cone Speakers 46
 Grid Leaks 73, 77
 Grounds, Radio 61
 Ground Clamps 60, 61

H

Halderson Kits 30
HAMMARLUND Products 27, 32, 34, 64, 65, 80
 Hand Drills 87
 Headsets 87
 Heaters, Electric 98
 Heating Pads, Electric 98
 III-Mu Tubes 40, 41, 89
 HFL Isotone Kit 29
 Hook-Up Wire 85
 Horns 48
 Howl Arrester 69
 Hydrometers 69
 Hyatt Portable Radio Set 18

I

Illuminated Dials 80, 81
 Inductance Switches 82
 Indoor Antennae 60, 61
 Infradyne, Remler Kit 31
 Irons, Electric 98
 Irons, Soldering 59
 Isotone, HFL Kit 29
 Insulators 19
 Insulating Cement 85
 Interchangeable Inductances 31, 32, 33, 35, 62, 63, 64

J

Jacks, Radio 82, 83
 Jack Switches 82
 Jacks, Wall 19
JENSEN DYNAMIC Speakers 34, 57, 86, 87
 Jewell Meters 34, 57, 86, 87

K

Karas Parts 30, 32, 65, 72, 83
KITS, Radio 20-35
 Kits, Aerial 80, 61, 88
 Kino Lamp (Television) 69
 Knapp "A" Power 54
 Knobs, Bakelite 81
 KUPROX Power Units 52

L

LABORATORY Screen Grid 20
 Lamps, Radio 39, 60
 Lamps, Television 89
 Lead-In, Antenna 60

Lightning Arrester 60
 Light Socket Power Units 24, 25, 26, 29, 30, 52, 53, 54, 55, 56
 Light Socket Antenna 60
 Lignole Panels 83
 Lights, Dial 80, 82
 Litz Wire 85
 Lock Washers 60
 Loop Antennae 61
 Loop Wire 85
 Loudspeakers 49-49
 Lugs, Solder 84

M

Magnavox Dynamic Speakers 49
 Magnetic Cone Speakers 44, 45, 46, 47, 48, 95
 Magnet Wire 85
 Manufacturers Type Cones 47
 Markers, Cable 58
 MARCO Speakers 43, 45
 Marco Dials 81
METERS, Radio 34, 57, 58, 86, 87
 Millimeters 34, 57, 86, 87
 Meta Furniture 5, 14
 Microphones 85
 Motors, Electric Phonograph 31
 Motors, Television 89
 MUTER Products 30, 50, 53, 60, 64, 68, 69, 72, 75, 76, 77, 83, 88

N

Nameplates 84
 NATIONAL Storage Batteries 58
 NATIONAL Equalizing Condensers 54
 NATIONAL Screen Grid 5 Kit 29
 NATIONAL Short Wave Kit 34
 National Audio Transformers 72
 National Transmitting Condensers 35
 Nuts 84

O

O'Neil Speakers 44, 47
 Output Transformers 50, 70, 71, 72
 Original Airchrome Speakers 45
 Outlets, Radio Convenience 19

P

Paecnt Phonovox 51
 Panels, Radio 83
 Panel Cutters 87
 Panel Lights 80, 82
PEERLESS Speakers 44, 47
 Penn 3-Foot Cone 46
 Percolators, Electric 78
PHASATROL 40
 Piano Speaker 40
 Pick-Up, Electric Phonograph 51
 Pliers 87
 Phones, Head 50
 Phonograph Adapters 51
 Phonographs, Portable 51
 Phonograph-Radio Consoles 93, 94
 Phonograph, Electric Pick-Up 51
 Phonograph Motors 51
 Pilot Parts 34, 39
 77, 69, 71, 75, 79, 80, 81, 83
 Plugs, Radio 60
 Plug Antenna 60
 Plug-In Coils 25, 28
 31, 32, 33, 34, 35, 62, 63, 64
Portable Radio Sets 18
 Potentiometers 74, 75
 Power Amplifiers 26, 29, 31, 36, 37, 38, 39
 Power Controls 52, 55, 58
 Power Packs 24, 25
 26, 27, 29, 30, 36, 37, 38, 39
 Power Tubes 40, 41, 42, 89

Q

Quam Speakers 47

R

Radio Books 81
 Radio Consoles 90-96
 Radio Service Kit 86
 Radio Light 39, 60
 Ray-O-Vac Batteries 56
 Rechargeable Battery 22
READRITE METERS 57, 86
 Reamers 87
 Rectifier Tubes 40, 41, 42, 52, 55
RECEIVERS, Radio 2, 4-18, 99, 100
 Receivers, Television 89
REMLER Products 31, 71, 79, 80
 Resistances 73, 74, 75, 76, 77, 78, 89
 Resistance Coupled Amplifier 89
RHEOSTATS 74, 75, 78, 89

S

Sargent-Rayment 7 21
 Saws, Hack 89
 Scanning Discs, Television 87
 Screwdrivers 84
 Screws 84
 Scribes 87
 Set Testers 86, 87
SETCO Special Products 56
 "A" Eliminator Kit 56
 Audio Transformers 70
 Dynamic Speakers 43
 Service Man's Tester and Tool Kit 86
 Variable Condensers 66

Shafts, Condenser 66
 Shields, Tube 42, 79
 Shielding, Stage 28, 73
 Shields, Aluminum 28, 85
 Shielded Grid Tubes 40, 41, 42
 Shielding 28, 73, 85
SHORT WAVE APPARATUS 32-36, 62
 Short Wave Coils 32, 33, 35, 62
SILVER-MARSHALL Amplifiers 37, 38
 Audio Transformers 70
 Choke Coils 62
 Coils 32, 62
 Dials 80
 Filament Supply Trans 85
 Hook-Up Wire 84
 Link-Motion 86
 Output Transformer 50, 70
 Plug-In Coils 32, 62
 Power Transformers 38
 Receiver Kits 20, 21, 22, 32
 Sockets 79
 Sub-Panel Brackets 63
 Variable Condensers 65
 Sockets, Coil 62, 79
 Sockets, Tube 79
 Sockets, Electric 58
SONATRON Tubes 40
 Solder 59
 Soldering Irons 59
 Spaghetti Irons 85
SPEAKERS 43-49
 Speaker Consoles 43, 95, 96
 Speaker Filters 50
 Step Down Transformers 88
 STERLING Speakers 46, 47
 Sterling Power Supply Units 56
 Storage Batteries 56, 83
SUBANTENNA 61
 Sub-Panel Brackets 63, 83
 Super Ball Antenna 60
SWITCHES 82, 83

T

Tables, Radio 43, 95, 98
 Tap and Die Set 57
TELEVISION 89
TEMPLE Speakers 45, 47, 48
 Temple Units 44, 49
 Testers, Battery 57, 58, 59, 86, 87
 Testers, Set 57, 58, 59, 86, 87
 Testers, Tube 57, 86, 87
 Therapeutic Lamp 98
TOOLS, Radio 57, 59, 86, 87
 TOBE Condensers 35, 53, 54, 69
 Torches, Glow 59
 Tone Controls 50, 70, 73
 Transformers, Audio 70, 73
 Transformers, Power 38, 39
 Transformers, Output 50, 70, 71, 72, 73

TRANSMITTING Equipment 34, 35, 36, 38, 39, 73, 88
THORARSON Radio Receivers 4-11, 17, 99, 100
THOROLA Dynamic Speaker 44
THOROLA Cone Speaker 47
 Tone Controls 50, 74, 75, 76, 78
 Toasters, Electric 55
 Trickle Chargers 55
TUBES, Radio 40, 41, 42, 55, 89
 Tubes, Rectifier 55
 Tubes, Television 89
 Tube Shields 42, 79
 Tubing, Bakelite 85
 Tuners, 3-Element 78
TRUVOLT Divider 78
 Truvalt Resistors 78

TYRMAN Products 24
 Receiver Kits 24
 Imperial "80" 24
 New "72" 25
 New "60" 26
 Audio Transformers 71
 Dials 81
 Sockets 79
 Portable "50" 18
 Trav-Ler Portable Set 18

U

Underground Antenna 61
UTAH Speakers 48
 Utah Units 49
 Units, Speaker 44, 48, 49

V

Variable Condensers 34, 35, 65, 66, 67
 Variable Resistances 74, 75, 76, 78
 Vemar, Cone 46
 Vimco Radio Light 87
 Vises, Radio 56
 Vitralic Storage Batteries 56
 Vitreous Enameled Resistors 77, 78
 Volume Controls 50, 74, 75, 76, 78
 Voltage Regulators 58
 Voltmeters 87, 58, 86, 87

W

Waffle Irons 98
 Wall Jacks 84
 Washers 84
 Wire, Hook-Up 83, 84
 Wire, Mse 84
 Wire, Aerial 60, 61

Security Red Bird Iron in Colors



If you were to have made to order the finest iron that could be produced regardless of cost, you could not secure better quality. Its all cast iron body gives it excellent heat-retaining qualities. Its hand made element of finest nichrome is wound on and faced with highest grade of clear India mica, assuring perfect efficiency. It is guaranteed for 5 years. Sole plate, neat tip up heel rest and special plug protector are heavily nickel plated and polished. Gracefully tapered top of iron is finished in either a soothing green, attractive red or a cool yellow colored vitreous enamel baked on. Handle has same enamel. This finish is more permanent than the finish on bathroom fixtures and is guaranteed not to discolor, tarnish, mar, chip or peel off for 5 years.

No. R-5685, Security Red. No. R-5686, Security Green. No. R-5687, Security Yellow.
List, each, Complete with 6 ft. Cord Set, \$5.95.
Your NET Price..... **\$3.18**

Imperial Iron



Known as the finest low priced iron from coast to coast. Quality that means real satisfaction for years after it is bought. All cast iron construction gives better service. Its beauty, its graceful tapered nose, its sparkling nickel finish on both the top and bottom are unsurpassed. Has finely made hand-wound nichrome heating element. Full 6 pound weight. Written guarantee for one year. For A-C or D-C.

No. R-5600. List, \$4.50.
Your NET Price..... **\$2.06**

Travelers' Iron

This small boudoir and traveling iron will give real laundry service. Will become hot enough for all light ironing. Special element will not overheat. Brightly polished nickel. Colored handle.



No. R-5688. Complete with Cord set. List, \$3.00. Your NET Price..... **\$1.08**

Therapeutic Lamp



For scientific light treatment. The rays penetrate the tissues relieving pain of rheumatism, neuralgia, lumbago, etc. Used by leading physicians. Polished aluminum reflector; special power bulb; adjustable handle with control switch.

No. R-5658. List, Complete with bulb, \$5.00. Your NET Price..... **\$3.18**

Perfection 3-Heat Pad



People everywhere are discarding the old hot water bottle for this most beneficial heating appliance. Endorsed by Illinois State Branch of American Medical Society. A quality pad of softest elderdown. Full size 12x15 in. genuine nichrome element. Adjustable to three heats controlled by one switch. Has two safety thermostats to prevent overheating.

No. R-5601. Perfection Three Heat Pad. List, \$7.25. Your NET Price..... **\$4.26**
No. R-5689. Perfection Single Heat Pad (size 9x12 in.). List, \$3.25. Your NET Price..... **\$1.83**

Electric Corn Popper



Turn on electric current and in a few minutes it will turn out fresh, crisp, fluffy kernels, the most delightful pop-corn you have ever tasted. Height, 10 inches; width, 7 1/2 inches. Nichrome heating element mounted in a porcelain insulator.

No. R-5672. Model 990. List, \$2.50. Your NET Price..... **\$1.60**



ESKIMO Kitchen Mechanic

Thousands sold every week. Ideal for mixing drinks, mayonnaise, dressings, whipping cream, beating eggs, and performs many other operations formerly done by hand. Finished in gray with white enameled handle; nickleed trimmings. Looks neat, clean, beautiful. Lifetime universal motor for 110 volts, A-C or D-C. Adjustable stand. 7-Foot cord, toggle switch and plug. Shipping wt., 8 lbs.

No. R-5662. List, \$7.00.
Your NET Price..... **\$4.46**

Security Percolator

Full 9 cup percolator of pure heavy gauge aluminum highly polished. Most popular paneled style percolator ever designed. Operates on hot water principle, endorsed by a 11 leading coffee authorities. When it starts to pump, you pull plug and in 5 minutes you have perfect coffee. Element is on a dip with finest grade nichrome wire encased in heavy armored plates. Keeps coffee warm hours after current is shut off. The element has written guarantee for one year.



No. R-5604. List, \$4.25.
Your NET Price..... **\$2.55**

Security Colonial Percolator

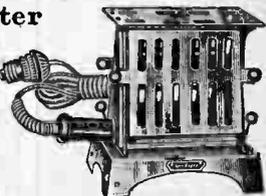
No expense has been spared to make this as fine a percolator as it is possible to produce. Pure 18 gauge quality aluminum polished to a beautiful luster. Graceful rich looking colonial style. Full 9 cup capacity. Element of extra heavy construction keeps coffee hot hours after current is shut off. Operates on approved hot water principle to make perfect coffee. Complete with 6 ft. cord and plugs.



No. R-5690. List, \$7.00.
Your NET Price..... **\$4.46**

Perfection Reversible Toaster

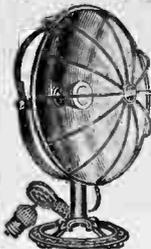
Attractive style and design approximating other toasters that retail for \$8.00 or more and it's just as good as it looks, too. Made of heavy steel to insure sturdiness and then brilliantly finished in a beautiful nickel plate. The resistance wire is practically indestructible, coiled, then woven through 4 staunch uprights, not hung on hooks to break off easily. It does not sag when heated a few times. Concealed wooden legs prevent scratching up of polished and enameled surfaces. This toaster will give perfect service. Like all Perfection Appliances the element is fully guaranteed in writing for a period of one year. The cord is detachable by means of a plug as illustrated. Shpg. wt., 4 lbs.



No. R-5603. List, \$4.00. Your NET Price..... **\$2.35**

Perfection Electric Heater

For cheery warmth in a hurry get a Perfection Heater. Adjustable to any angle. Heavy element of quality nichrome wire. Bowl of solid copper (not sheet metal copper-plated) is 13 1/2 in. in diameter. Back of bowl finished in gold or green. Cast iron base is of open design decorated in high relief of antique bronze and gold. Fitted with convenient enobized wood handle. Complete with 8 ft. asbestos cord and plug.



No. R-5605. List, \$6.50.
Your NET Price..... **\$4.18**

Hold-Heat Waffle Iron



DeLuxe Model. Most beautiful waffle iron made. Makes full size, large, delicious waffles. Drip catcher on edge of plates. Base acts as tray and drip catcher. Cast aluminum plates—no grease required. Octagonal enobized handles. Heavy brass shell richly etched and nickel plated. Base 9 1/4 in. Shpg. wt., 13 lbs.

No. R-5626. List, \$12.00.
Your NET Price..... **\$7.06**

Marion Quality Waffle Iron



A special feature is hand laced element, both top and bottom. Highly polished nickel finish. Pure aluminum griddles. No grease, no odor or smoke. Enobized octagonal handles. Ventilated base. Heavy hinge. Wattage, 660; voltage, 110-220. Size of griddles, 8 inches in diameter.

No. R-5679. List, \$8.75.
Your NET Price..... **\$5.98**

Marion Giant Flip-Flop Toaster



Large, speedy, moderately priced. Heavily nickleed and polished. Strong and rugged. Takes two large slices up to 5 1/2 inches. Turns toast by dropping door. Indorsed by cooking experts. Cord and plug. Removable element laced on mica. Doors and handles heat insulated.

No. R-5671. List, \$3.75.
Your NET Price..... **\$2.57**

Pocket Flashlight



Genuine Burgess Snap-Lite. A real flashlight, yet measures only 2 1/4 x 1 3/4 inches. Snaps on and off by raising reflector lid. Complete with battery and bulb.

No. R-5727. List, 39c.
Your NET Price..... **26c**

No. R-5728. Battery (Type 429) only. List, 20c.
Your NET Price..... **14c**

Thorola Shield Grid AC Power 8

Shield-Grid-Tube Power! Push Pull Audio Amplification! The Diversey Model

Radio engineers unanimously agree that the two biggest advancements in receiver design this year are the employment of Shield Grid Tubes and Push-Pull Audio. Both features are incorporated in this wonder receiver. Its rush of power is a marvel, its beauty of tone an enchantment to all who hear it.

The beautiful console here portrayed is the most popular design on the market. It is sweeping the country. It is from the new school of designing—cleverly adapting and consolidating features of the old period. In its major leanings, the design may be said to be of French influence, yet again we find the legs of an entirely different period, making it withal modern American so to speak. Made of genuine walnut with beautifully matched burl grain on the front doors, which, in turn are further embellished with delicate tracing carvings in Birdseye maple. The legs are prettily fluted and the cross stretcher supports a saucy urn. Such charm and beauty is rarely found outside the realm of the most expensive furniture. The finish is the new lacquer which brings out the beauty of the grain and presents a soft, velvety surface. Note that the doors fold flush with the ends—out of the way, making the cabinet as pretty open as closed.



15 Days' Free Trial

No. 3R-1050. Set Complete with Magnetic Cone Speaker, but less tubes. List, \$200.75. Your NET Price..... **\$108.45**
 No. 3R-1051. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$230.50. Your NET Price..... **\$124.50**

No. R-04199. Kit of Sonatron Tubes (Three 226, one 227, two 171A, one 222 and one 280 rectifier). List, \$29.50. Your NET Price..... **\$14.45**



Push Pull Audio

The Belmont Desk Model With Slide-Out Secretaire

This novel idea has reached high favor in the many homes where space is at a premium. It cleverly combines a practical writing desk and a magnificent housing for this wonderful receiver. The smaller illustration shows how this secretaire slides out like a drawer exposing a liberal writing surface and spaces for stationery, ink, pen, etc.

The cabinet is a beautiful modern adaptation of the Georgian period. The aristocratic fluted and carved moldings on the doors, together with the diamond matched butt grain walnut, gives it a most imposing, majestic air. The overlays add a touch of distinction. It is made from selected Walnut in a rich highlighted, shaded and rubbed finish. It stands 52 inches high, 27 inches wide, 17½ inches deep. The doors, when opened, may be folded back flush against the sides. The grille panel is set off with delicate tracing and a pleasingly harmonious grille.

The receiver is the famous Thorola Shield Grid A-C Power 8, the chassis of which is described in detail on page 10. With the great power through the use of the Shield Grid Tube and Push-Pull Audio, it is one of the greatest receivers ever developed.

No. 3R-1052. Set Complete with Utah Magnetic Cone Speaker, but less tubes. List, \$215.15. Your NET Price..... **\$116.20**
 No. 3R-1053. Set Complete with Power Dynamic Reproducer, but without tubes. List, \$246.35. Your NET Price..... **\$133.00**

No. R-04199. Kit of Sonatron Tubes (Three 226, one 227, two 171A, one 222 and one 280 rectifier). List, \$29.50. Your NET Price..... **\$14.45**



Thorola

Shield Grid AC Power 8



15 Days' Free Trial

Thorola AC 7 Radio Receiver

With the Two-Year Guarantee

**Guaranteed
Quality
7-Tube
A C
Console
Receiver**

List, \$100
Your Special
NET Price

\$54

**Complete
(Except Tubes)
Ready to Plug
Into Light
Socket**



The Wonderful Chassis
is Described on Page 6

**A Real AC
Receiver,
Using
AC Tubes
Sweet Toned
Magnetic
Cone
Speaker**

**Beautiful
Walnut
Console**

**Greatest
Value
We Have Ever
Known**

**Two-Year
Guarantee**
[See Page 6]

The Kendale Model

We have never seen a value as good as this. When we started out to build what we considered the best value in a really reliable, lasting receiver, we never hoped to strike such a low price! The results far exceed our plans.

Because the price is low, don't think this is a cheap set. It is the same fine receiver that is proving such a sensation everywhere—the THOROLA 7, guaranteed for two years against defect in material and workmanship. Read this amazing guarantee in full on page 6. No ordinary receiver could be backed by such a guarantee!



The Console is a neat, modern design of rugged, sturdy construction. It is constructed of American walnut, with the front, top and sides in choice grained stock. The drop front leaf acts as an arm rest when tuning. A snappy looking round grille with fleur-de-lis sets off the front. There are also two fancy wood overlays on the front, a feature usually found only on expensive models. The legs are neatly turned and are ruggedly braced with neat stretcher. The top is hinged to afford easy access to the set. The finish is in the natural walnut color and is the work of skilled craftsmen. The console stands 36½ inches high, 21½ inches wide and 15 inches deep.

The set is entirely self contained. There are no outside power units or eliminators required. It uses the new A-C tubes, with power tube in the audio output stage. We furnish the receiver in a choice of a fine quality magnetic cone type or a high quality Power Dynamic speaker. The latter is certainly the last word for beautiful reproduction. It will take all the vast power the receiver affords without blasting, without distortion or choking. Its pitch is delightfully natural, being free from the annoying "barrel" effect of many of these types of speakers.

15 Days Free Trial

So positive are we that you will find the Thorola A-C 7 even more than we claim, we unhesitatingly sell it on a basis of 15 days Free Trial. See for yourself what a powerful, sweet toned beautiful appearing set it really is. See what an amazing bargain it represents at this unheard of price!

No. 3R-1037. Kendale Model, Thorola A-C 7 Receiver, Complete with Magnetic Power Cone Inbuilt Speaker. List, \$100.00. Your Special NET Price **\$54.00**

No. 3R-1038. Kendale Model, Thorola A-C 7 Receiver, with Power Dynamic Speaker. List, \$134.35. Your Special NET Price **\$72.55**

No. R-04198. Kit of SONATRON Tubes (four 226, one 227, one 171 and one 280 rectifier). List, \$22.50. Your NET Price **\$11.02**

Setbuilders Supply Co. Romberg Bldg., Chicago