

# WESTRAD *8 tube* Console

**SUPER DYNAMIC SPEAKER**  
**245 PUSH PULL AUDIO**

# \$64<sup>75</sup>

LIST PRICE  
~~\$126<sup>50</sup>~~



**SEND NO MONEY**  
**SATISFACTION GUARANTEED**

# WESTERN RADIO

...now unless you wish to...  
...upon delivery. Then test and...  
...days. If after that time you are...  
...nted, we will refund your money w...  
...argument. Our references: Any b...  
...Bradstreet. We are pioneers in R...  
...atisfaction since 1921.

Copyright 1929, Western Radio Mfg. Co. Printed in U. S. A.

[ Page 1 ]

**WESTERN**  
128 V

**WESTERN RADIO MFG. CO.**  
**CHICAGO**

# 8 Tube AC RADIO and PHONOGRAPH

**CUSTOM-BUILT  
Combination**

**Super  
DYNAMIC  
SPEAKER**



Licensed By

**R.C.A.**

Take what the offers you or select your own entertainment center—the Westrad Combination Radio and Phonograph. This is indeed the musical instrument—an 8-Tube All Electric 24 Pull Radio built under Radio Corporation of America licenses . . . and the Ortho phonograph. The Super Dynamic Speaker is available for dual thru a phono-radio switch. The radio equipment consists of completely shielded, highly selective chassis of the most modern design and construction. See Page 4 for illustration and description of chassis and Super Dynamic Speaker. Phonograph equipment consists of induction motor, 12 inch turntable, automatic shut off, electric pickup, volume control and adapter. Cabinet is of select hand rubbed Walnut, with matched diamond design doors. Panels are of beautiful butt walnut. Overlays are of the old style designed lace-wood. Size 51" high, 30" wide, 19 1/2" deep. Space for three record albums. For 105-120 volts AC—50-60 cycles.

Combination as shown, including Super Dynamic Speaker less tubes  
Style No. 116  
List Price \$236.50

Your Price  
**\$128<sup>95</sup>**

Your Price  
Combination, including Super Dynamic Speaker with eight tubes and aerial equipment

**\$140<sup>95</sup>**

Style No. 117  
List Price \$260.50

Phonograph Cabinet Only, Less Set and Speaker

Style No. 144  
List Price \$145.00

Your Price  
**\$85<sup>25</sup>**



25  
\$197.50

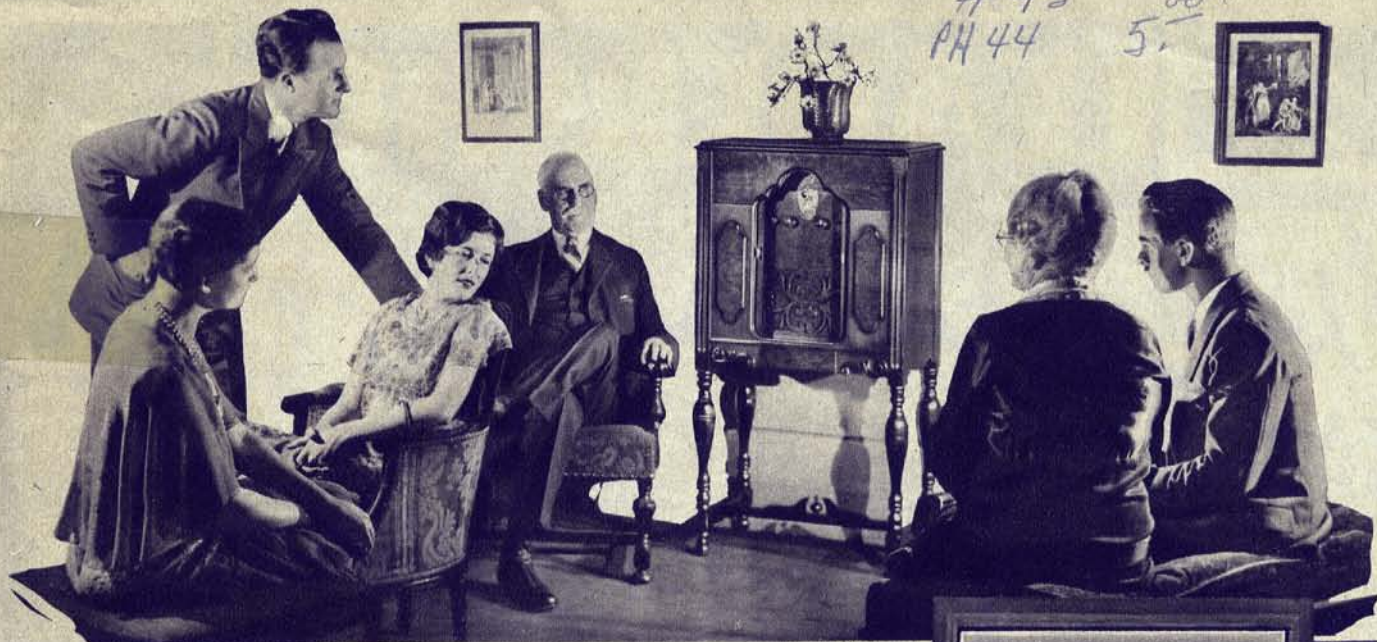
**Tubes**

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employs four of  
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power far beyond your

eq.  
AC,  
Style

**\$128**  
**RADIO**

**Reliable Products**



# LISTEN *and* JUDGE

## Enjoy These Radio Masterpieces For 15 Days Before Finally Deciding

WHEN you glance at the values offered on the following pages your first impulse will be to say, "Almost too good to be true." That is the reason, therefore, back of our 15 days' free trial offer. Right in your own home we ask you to test the vibrant power, the range and tonal purity of the Westrad. Judge for yourself the remarkable fidelity with which the Westrad reproduces the original broadcast. No notes are too high or delicate—no tones too deep. Westrad brings them to you with a clarity that leaves you groping for words to describe their purity.

We bring to you the supreme achievement of our years of work in the radio industry. So confident are we of Westrad's superiority that we urge comparison with other sets regardless of price. Then only can you fully judge the astounding values we are offering you. Note the low list prices which will easily meet all high grade competition—and then note your own net price. Did you ever before believe that you could get an All Electric Super Dynamic Speaker 8 Tube Radio with 245 Push-Pull Audio in a strikingly beautiful Walnut Console for prices ranging up from \$64.75? Absolutely unheard of—so for final proof that Westrad Values are real we make the most liberal of Free Trial Offers.

## Send No Money

You need send no money now unless you wish to. Pay the express company upon delivery. Then test and use the Westrad for 15 days. If after that time you are not more than delighted, we will refund your money without question or argument. Our references: Any bank, R. G. Dun or Bradstreet. We are pioneers in Radio . . . giving satisfaction since 1921.

**Super  
Dynamic  
Speakers**  
—  
**Push-Pull Audio**  
—  
**245 Power Tubes**  
—  
**Licensed  
By R. C. A.**

TWENTY-FIVE basic patents in radio set design are absolutely controlled by the Radio Corporation of America. Mention any well advertised radio set—and you may be reasonably certain that it is licensed by R. C. A. Through the use of these patents every reliable radio manufacturer has the same opportunity to build a fine set—it depends entirely upon how honestly and capably he constructs his radio set. Quality of materials, supreme care in manufacture and assembly and the use of matched, balanced parts—mean everything in developing a radio of superb tone.

## Consult the Western Radio Catalog First

Always consult the Western Radio catalog first and you will make sure of getting what you want for less money. Remember we have no branch houses or other connections. We are the original.

# LEADERSHIP

## Won By Super Values



### SAME DAY SHIPMENT

EVERY item shown in this catalog is carried in stock in our big warehouse. By keeping a large supply for your immediate needs and by anticipating your future needs—we try to be prepared to make complete shipment of your order the same day it is received.

#### Hints on Ordering

When ordering be sure that you give the stock number and description of product as provided for on our order blank. By giving us the stock number and description it provides for a check against errors.

IN the last seven or eight years there's been a world of changes in radio design and merchandising methods . . . but there hasn't been a hair's-breadth difference in all this time in the way Western Radio do business. Our success formula is simple and unchanging. We offer you, as always, advertised, standard radio products and now Westrad Receivers are built under licenses of Radio Corporation of America. We bring you 24 Karat quality . . . that we guarantee you . . . and what's more our prices are in most cases lower than what you would have to pay for ordinary merchandise. Genuine quality, values that welcome comparison, service that is snappy and accurate, have placed Western Radio high in the regard of radio users.



### SEND NO MONEY

SEND no money with your order unless you wish to. You can have the use of your money in your business until the shipment arrives. We ship C.O.D.—you pay postman or expressman upon delivery of merchandise.

## Satisfaction Guaranteed

WHEN dealing with Western Radio Mfg. Co.—you get either SATISFACTION or your money back. We are proud of our unbroken record of giving whole-hearted radio pleasure to thousands of discriminating users. We guarantee that all our products are first quality and are the latest and most modern in design. Remember Western Radio promises to please you or your money refunded without question or debate.

### Thank You!

With this 7th annual issue of our catalog we wish to express our warm appreciation and thanks to our customers who year after year patronage has built this business and made us America's Leading Radio House. Again we assure you that the same ideals of fair dealing that have won us so many friends—will stay in force as always. More and better products for your money will continue to be our policy.

### NEW Lowest Wholesale Prices

High grade licensed receivers and accessories manufactured by such as Cunningham, Remeler, Silver-Marshall, Frost, Yaxley, Thordarson, Hammarlund, Sunbeam and others equally famous . . . at our lowest wholesale prices mean that you get honest values. It means that you can meet all competition with quality products priced to sell with ease. Always remember that Western Radio's Prices are lowest on reliable products.

### ORDERS For \$2.00 or Less

Orders for \$2.00 or less should be accompanied by money order or cashier's check covering cost of article plus postage. By doing this you will save from 15c to 20c C.O.D. return charges which is considerable on a \$2.00 order. All orders outside of the United States proper should be accompanied by full payment including transportation charges. If the actual transportation charges are less than the amount estimated, we will refund the difference. Dealers of Cuba, Canada, Philippine Islands, Porto Rico and Hawaii are also respectfully requested to send cash with order.

### Dealers Wholesale Catalog

Thousands the country over use the Western Radio Catalog as their radio buying guide. They know from years of past experience that its pages always contain the greatest values in advertised radio products and are offered at the lowest wholesale prices. Prices in this book are net—2% discount for cash has already been deducted.

# WESTERN RADIO

## The Big Friendly Radio House

# 8 tube A.C. Westrad WALNUT CONSOLES

Licensed By  
**R. C. A.**

**Radio Corporation of America**

ON the next page (page 4) we show the 8 Tube Westrad All Electric Chassis and Super Dynamic Speaker which give this Console its unusual purity of tone and its remarkable fidelity to the program being broadcast. You can count on it performing for you at its supreme best, day after day. Dependability to the last degree is yours in the Angelo Low Boy.

It embodies the latest patents of the Radio Corporation of America. Every feature and improvement that Radio science has developed is incorporated in the Westrad.

Only matched and balanced parts are used. Such equalization assures clear undistorted tone. An excess of power has been built in far beyond your average needs. The hair-line volume control enables you to play as loudly or softly as you desire—without distortion. Four gang condenser and individually shielded radio frequency transformers prevent all cutting of side bands and make for remarkable selectivity.

If you have ever compared the tone of an ordinary speaker with a Dynamic you will know how much it means in securing perfect reception. This console is equipped with a Super Dynamic Speaker of highest efficiency, as part of our aim to give you a Receiver that leaves nothing to be desired. Size 38 in. high by 26¾ in. wide by 18 in. deep. For AC operation 50-60 Cycles, 110-125 Volts.

Westrad All Electric Walnut Low Boy Console, including 8-Tube Chassis and Super Dynamic Speaker. Less Tubes. Style No. 104.

List Price \$126.50

Your Price

**64<sup>75</sup>**

Your Price

**76<sup>75</sup>**

The Angelo Low Boy including Two 245 Power Tubes, Five 227 Tubes and One 280 Tube—complete with aerial ready for operation. Style No. 105.

List Price \$150.50

**Cabinet Only**

This cabinet will fit any radio set up to 13"x24" or less.

Price of Cabinet Only Without Chassis, Speaker, or Tubes.

List Price \$35.00

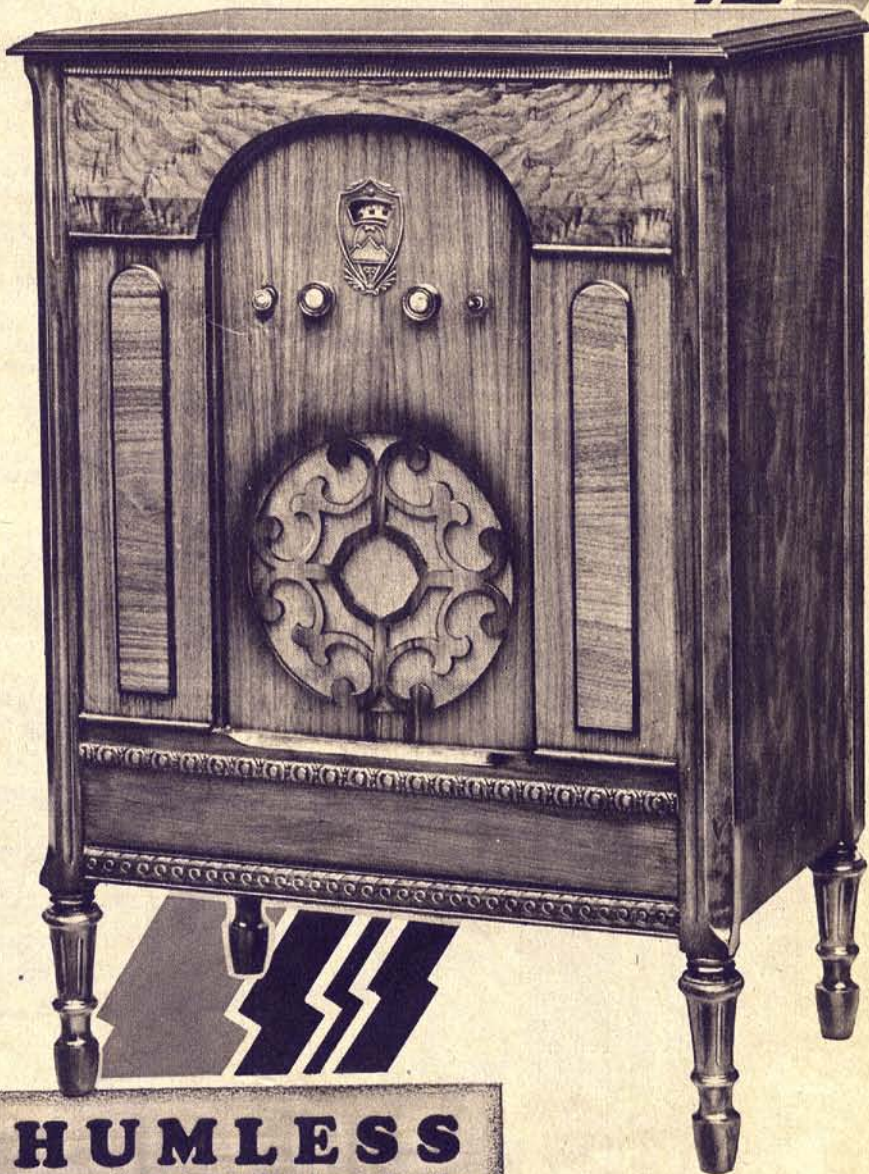
Style No. 149

Your Price

**\$19.50**

## BUILT IN SUPER DYNAMIC SPEAKER

HERE it is . . . the Angelo Low Boy 8 Tube Console using two 245 tubes in push-pull arrangement. See the cover of this catalog which illustrates in full color its beautiful walnut tones and rich colorings. Top, sides and panels are of genuine Walnut veneer. Front has beveled margin overlays of sliced Walnut that contrasts exquisitely. A rare combination of a beautiful console and a chassis that has range, power and tone.



### HUMLESS

No annoying AC hum. The Angelo Low Boy is quiet. This accomplished thru the use of Mershon Condenser and five 227 type tubes.

**For AC Current  
50-60 Cycle, 110-125 Volts**

# 8 Tube ~ All Electric Chassis

**Licensed  
BY  
R.C.A.**

**With Super Dynamic Speaker**

**Installed in All Sets**

**Shown on Pages 3 to 15**

THE Westrad 8 Tube Chassis is built under patents and licenses of Radio Corporation of America. It incorporates the very latest in Radio Science as developed by the world's leading engineers.

POWER EQUIPMENT is of the very best. The Power transformer is capable of steadily carrying an electrical load THREE times that required; and is air cooled in operation. Filter condensers are of exceptional quality and their working voltages are rated DOUBLE the highest voltage in the Receiver's net work.

RADIO FREQUENCY utilizes a four gang condenser. This condenser is so sturdily constructed that under actual test of supporting the dead weight of 2,000 lbs. not a single rotor or stator was shifted out of perfect alignment. A separately controlled straight line capacity alignment is provided for antenna compensation. The four radio frequency transformers are individually shielded in heavy single piece copper containers.

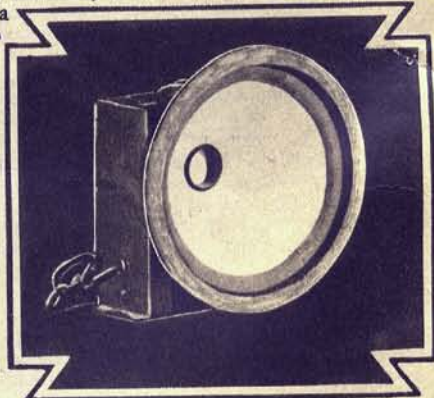
AUDIO FREQUENCY system uses two 245 power tubes in push-pull arrangement. The use of five tubes of the 227 or separate heater type absolutely eliminates hum caused by alternating current. The audio transformers are of extremely large size and do their full share in producing a tone of flawless quality.

All wiring is completely shielded; in fact every detail will appeal to those who enjoy viewing a real job of workmanship.

## CHASSIS and Super Dynamic Speaker

If you have your own console cabinet and wish to equip it with a new chassis and super dynamic speaker, you can buy the bare speaker and chassis as shown here.

Stock No. 108  
Your Price **49<sup>90</sup>**  
List Price \$91.50



**245 Push Pull  
Humless  
Completely Shielded  
Balanced Parts  
Super Dynamic Speaker  
Selective**

Super tone quality and power  
**CHASSIS ONLY**

For 105-120 volt AC 50-60 cycles

### To Fit Your Own Cabinet

If you wish, you can save the cabinet from the old radio by ordering the Westrad 8 Tube Chassis alone. This will give you the latest type of AC reception. Size of Chassis with metal front panel 7 inches high, 18 inches wide and 11 inches deep. Important—When ordering, specify type of speaker chassis is to be used with.

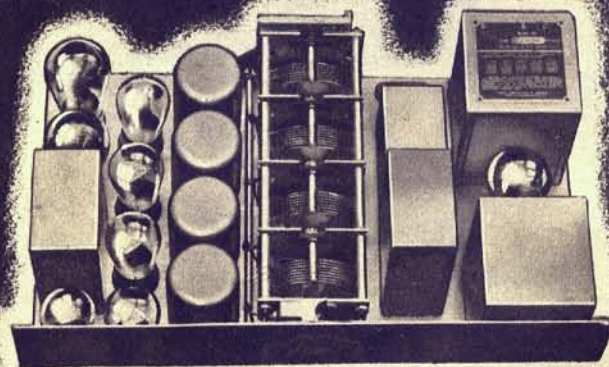
Your Price

**37<sup>45</sup>**

List Price \$66.50

Stock No. 109

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price—\$5.90. Specify when ordering.

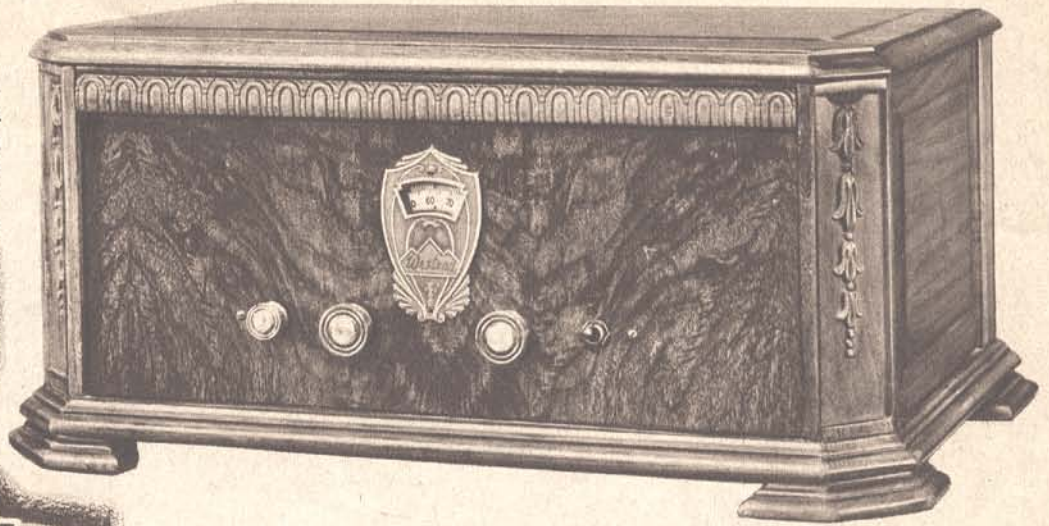


# Westrad 8-Tube Table Models

**All Electric**

105-120 Volt A. C.  
50-60 Cycles

WE offer here for your selection the choice of a beautiful Walnut Table Model or one built of metal in an attractive crystal finish. Size 23" wide, 10" high and 14 1/2" deep.



With Super Dynamic Speaker Shown Below; Less Tubes

Your Price **60<sup>95</sup>**

List Price \$111.50  
Style No. 120

Set Only, Less Tubes  
Specify Type of Speaker to Be Used with Style No. 121

**\$45<sup>95</sup>**  
List \$81<sup>50</sup>

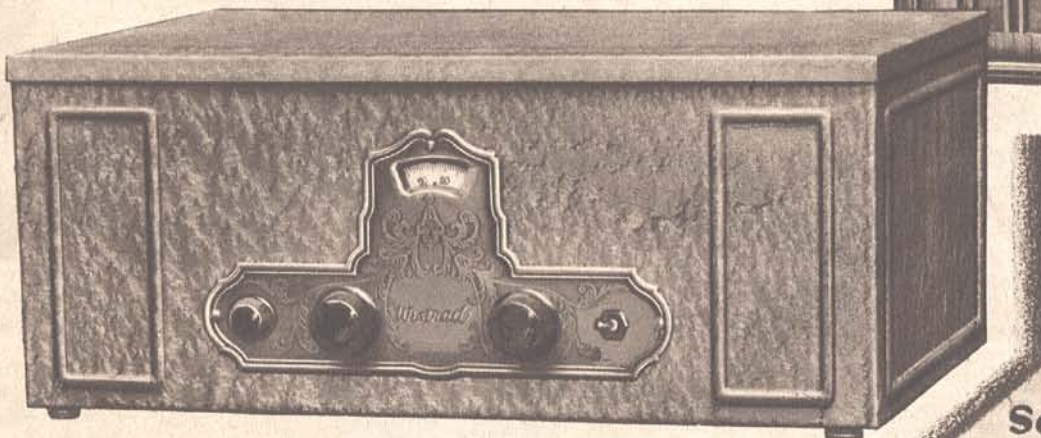
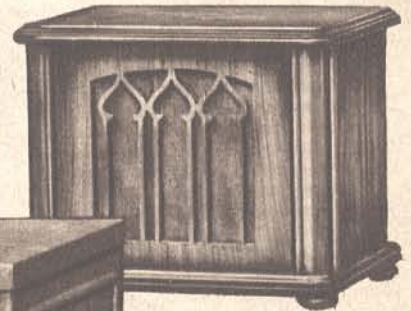
In some homes or public places where it is not practical to have a large Console, this Elizabeth Table Model will meet all the requirements of beauty, compactness and efficiency. The top and sides are of a beautiful Walnut Veneer finished in a rich Adam brown. The front panel is of metal with a baked enamel finish resembling Walnut. The cover is fitted with a piano hinge making it easy to inspect the Chassis. On page 4 we describe the construction and design of the Chassis. This set is built under Radio Corporation of America licenses. Employs 245 push-pull audio, thereby assuring fine reception at all times.

Set, Super Dynamic Speaker and 8 Tubes

Style No. 122  
Your Price **72<sup>95</sup>**  
List Price \$135.00

## All Metal Table Model with Walnut Super Dynamic Speaker

Here is a neat combination of a metal cabinet and a Walnut Super Dynamic Speaker. Set is finished in an attractive Olive Brown Crystal Enamel and contrasts attractively with the Gothic style Walnut Super Dynamic Speaker.



### Walnut Super Dynamic Speaker

The Chassis of this set is described on page 4. It has advantages of patents licensed us by Radio Corporation of America. 245 Push-Pull means that you get remarkable sensitivity and the very best in reception. Size of set 18 3/4" wide, 17 3/4" high, 12 1/8" deep.

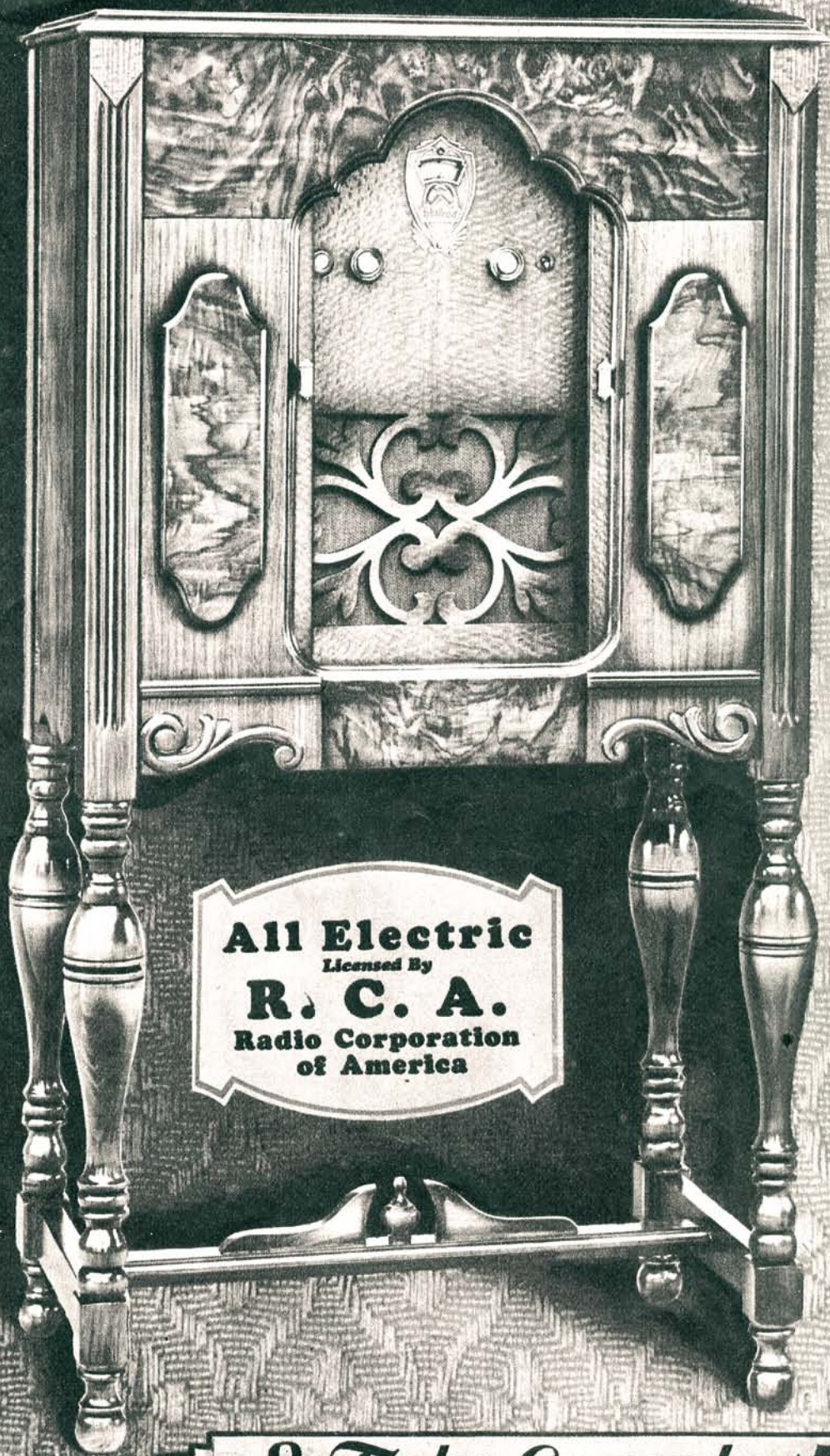
The above Set, Super Dynamic Speaker, two 245 Tubes, five 227 Tubes, one 280 Tube and Aerial equipment ready for operation.

Style No. 124  
Your Price **67<sup>95</sup>**  
List Price \$123.50

Set and Speaker

**\$55<sup>95</sup>**  
List \$99<sup>50</sup>

Style No. 123



**All Electric**  
*Licensed By*  
**R. C. A.**  
**Radio Corporation**  
**of America**

**8 Tube Console \$72.75 NET**



# 8 Tube A C CONSOLE

with Super Dynamic SPEAKER

THE secret of Westrad's faithful re-creation of any type of program is due to a chassis and dynamic speaker that are built with infinite care and in accordance with every late development in radio science. Note the scientific shielding of each section of the chassis as shown on page 4.

Radio Corporation of America, under whose patents nearly every advertised set is built, have licensed Westrad—and we therefore offer you ALL that leading radio engineers have invented.

This radio console ushers in a new era of value. It establishes a new yardstick by which to judge the worth of a fine radio. Where is the equal to this in beauty, in performance, at \$72.75 net? Eight tubes are used of which two are of the 245 Power type, thus assuring rare purity of tone in addition to exceptional range and power. Contributing enormously to the task of creating perfect reproduction is the high grade Super Dynamic Speaker built into the console.

The season's latest vogue are sliding doors, attractive when closed, quick and easy to open. The top, sides and front are of choicest walnut veneer. Shaped margin overlays are of matched butt walnut. Doors and grille panel made from genuine Australian lacewood. Unusually beautiful and charmingly different. Equipped with the sturdy, precision built all electric chassis and Super Dynamic Speaker pictured and described on the other side of this page. Size: 48 in. high, 23½ in. wide, 15 in. deep.

8 Tube Chassis, Console and Dynamic Speaker less tubes.

Style No. 102

List Price \$142.50

Your Price

**72<sup>75</sup>**

**84<sup>75</sup>** Your Price

The above described model, including 8 Tubes and aerial equipment, ready for operation.

List Price \$166.50

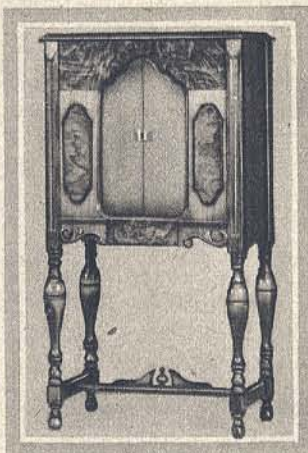
Style No. 103

Cabinet Only, without set or speaker. Will take set up to 21 in. long, 11 in. high or less.

Your Price **28<sup>50</sup>**

Style No. 148

List Price \$51.00



## Concert Grande Model Distinguished For Its Beauty

### R. C. A. Licensed

Like nearly all nationally advertised standard Radio sets—the Westrad is built under patents and licenses of the Radio Corporation of America. This assures your receiving the very best and latest that Radio science has to offer.

### Tone Quality

The use of specially designed audio transformers of exceptionally large size combined with a push-pull arrangement of two 245 Power Tubes means faultless tone purity.

### Selectivity

Four gang condenser and four individually copper shielded radio frequency transformers assure selectivity. These allow no cutting of side bands, preventing distortion.

### Humless

Quiet operation is assured through the use of Mershon Condenser and five 227 type tubes in these newest 1930 Westrad Models.

### Volume

The Westrad holds a reserve of power far in excess of all ordinary requirements. The graduated volume control permits exact degree of tone desired. Play as softly or as loudly as you wish . . . the tone remains clear and unchanged.

### Matched Parts

Parts in the Westrad Chassis are Balanced and Matched. This equalizing of parts assures clearer tone and better reception. Illustration and full description of the Westrad Chassis are given on page 4.

### For 110-125 Volts AC 50-60 Cycle

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price, \$5.90. Specify when ordering.

# 245 Push-Pull AUDIO

# WESTRAD 8 Tube Super

**R. C. A.**

**Licensed**

Like nearly all nationally advertised standard radios the Westrad is built under patents and licenses of the Radio Corporation of America.

**245  
Push Pull**

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price, \$5.90. Specify when ordering.

Console as shown, including Super Dynamic Speaker, less tubes.

Style No. 110

List Price \$157.50

VALUE such as this, is one of the reasons that Western Radio has enjoyed such splendid growth. Judge for yourself: this set of beautiful Burl Veneer walnut equipped with a built-in Super Dynamic Speaker for only \$78.25, net. This indeed is offering you the ultimate for your dollar. On page 4 you can read the details of the remarkable 8-tube Westrad chassis that is built with the precision of a watch and a sturdiness that means long life. Every part in the Westrad chassis is completely shielded. Construction and design are in the hands of experts whose ideal is to give you a set equal in reception to any other, regardless of price.

This console is built for those who want the best regardless of how much money they have to spend. It offers them more sensitivity, more selectivity, cleaner separation of stations and above all tone that is clear and undistorted. Dimensions of console are 48" high, 23½" wide and 15" deep. Comes complete with Super Dynamic Speaker.

Your Price

**78<sup>25</sup>**

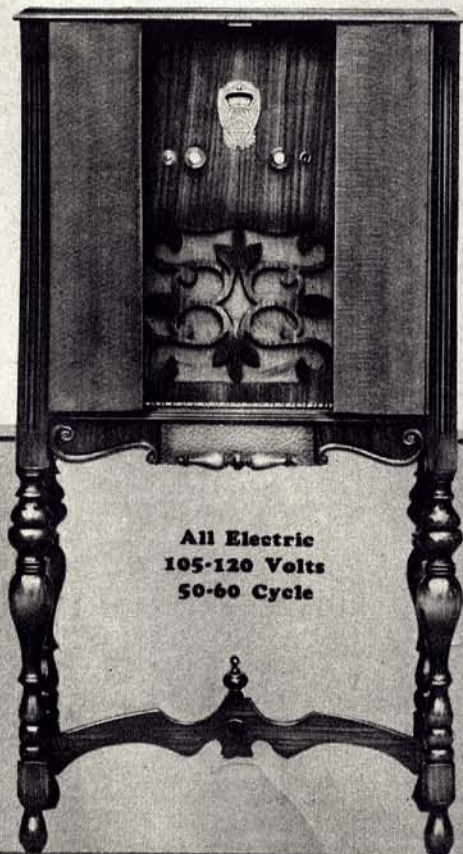
Console including Super Dynamic Speaker, 8 tubes and aerial equipment.

Your Price

**90<sup>25</sup>**

List Price \$181.50

Style No. 111



All Electric  
105-120 Volts  
50-60 Cycle

### Cabinet Only

If you wish to use your old chassis and speaker you can't find better value than this. Will take any set up to 12" x 21" or less.

List Price \$66.00

Style No. 146

Your Price

**32<sup>85</sup>**

### Humless

AC hum has been eliminated by the use of Mershon and five 227 type tubes.

### The Vogue of French Doors

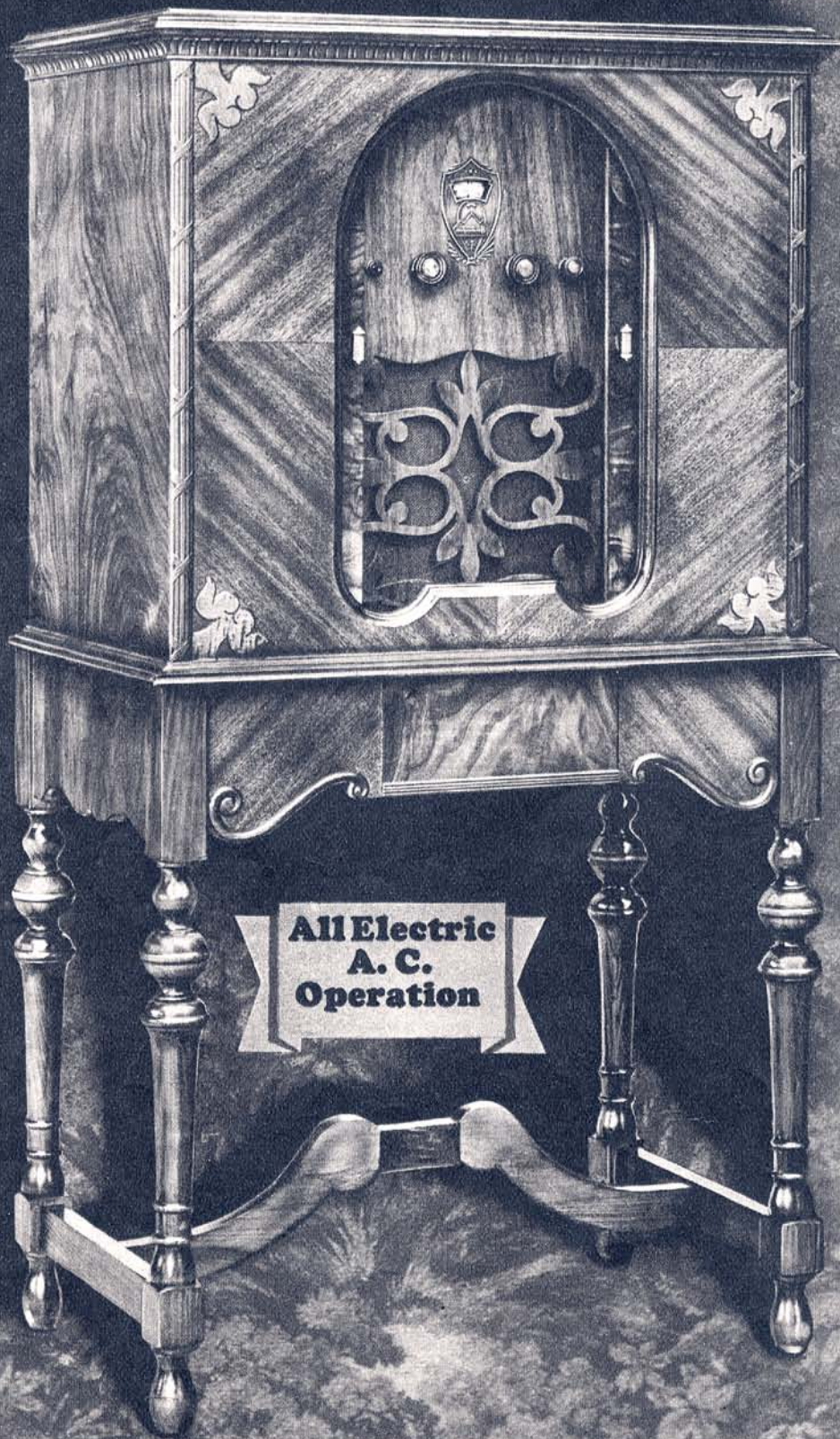
ONE of the most interesting types of console design is undoubtedly the French Door Console. This model is exclusively a Westrad. The top and sides are of the choicest five ply sliced veneer walnut. The rare Australian lacewood is used as overlays on the doors and side pilasters. The back of the doors are also adorned with beautiful lacewood. The grille panel is made of Walnut and finished in a beautiful Adam brown.

# *Dynamic Speaker* CONSOLE



**All Electric  
245  
Push Pull Audio**

# *The Artistic* ANATOLE MODEL



**All Electric  
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Operation**

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**the Slide**

# with 8 Tubes and Super Dynamic Speaker

THE new season has brought forth no other radio console that excels the Anatole in beauty, reception quality and value. The console is equipped with the well known Westrad chassis illustrated and described on page four. Each part going into this set is of the finest material and is assembled by expert craftsmen. We use the patents of the Radio Corporation of America, thereby giving you in this popularly priced set the very best that radio science offers. Every inflection of the human voice, every tone of the singer or the musical instrument is captured and given to you with absolute fidelity. The top and sides of the console are of the best selected sliced veneer walnut. The front is of matched diamond mahogany with overlays of maple. Matched butt walnut is used for the doors. The radio panel is of walnut with an exquisite grille design. The entire cabinet is finished in Adam brown mahogany and walnut, producing a blending of colors rarely seen. This set includes Super Dynamic Speaker. Size 51" high, 26" wide, 16" deep.

## R. C. A. Licensed

*This set is built under patents controlled by the Radio Corporation of America. It means that you get the best that radio engineers have invented to date.*

### All Electric For 105- 120 Volts AC, 50-60 Cycle

This set including Super Dynamic Speaker, Less Tubes.

List Price \$157.50  
Style No. 112

Your Price  
**90<sup>25</sup>**

List Price \$181.50 Style No. 113

Your Price

**78<sup>25</sup>**

Set includes Super Dynamic Speaker, 8 Tubes and aerial equipment.

### 245 Push-Pull

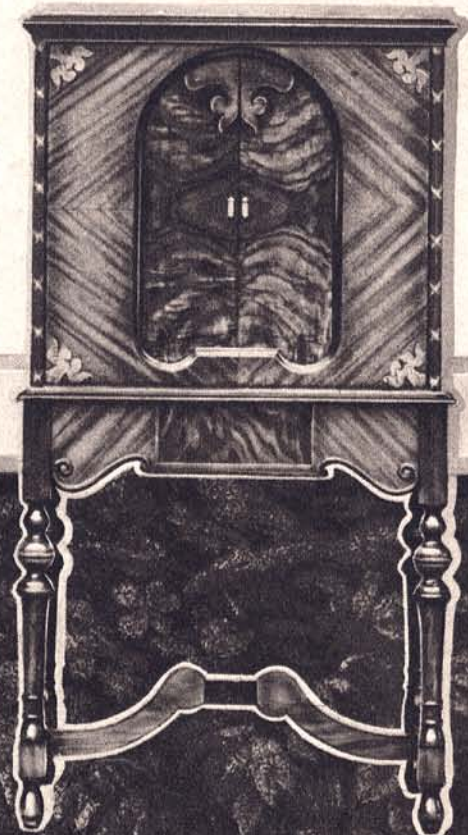
*The use of specially designed audio transformers of exceptionally large size in combination with a push-pull arrangement of two 245 tubes results in tone of faultless quality.*

Every Westrad Radio Console is actually tested on the air before shipment. Tone quality, range and volume are checked to assure fine performance in your home.

### Cabinet Only

If you wish to use your old Chassis and Speaker you can't find better value than this. Will take any set up to 12" high and 22" long or less.  
Style No. 145

Your Price  
**32<sup>85</sup>**  
List Price \$66.00



The Sliding Door Is the Newest Thing

# Westrad's Premier 8 Tube

## SUPER DYNAMIC SPEAKER

THE value offered in this set becomes even more outstanding when you consider that it is equipped with a built-in Super Dynamic Speaker. This speaker is built specially for us by the largest and most prominent manufacturer in the country. As the "voice" of the set it utters every tone with great clearness and complete absence of foreign sounds.

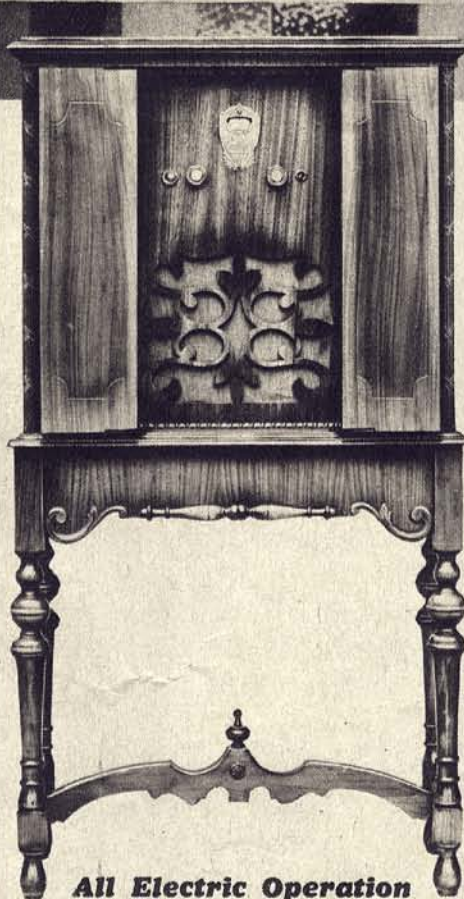
**Tone**—The Westrad brings you the living voice pure and unchanged. It brings you every inflection of sound, every delicate tone of the violin and the boom of the bass drum. No matter what type of sound is being broadcast, you get the original just as though you were listening in the broadcasting studio yourself. The Westrad employs two 245 Power Tubes in push-pull arrangement and this combined with audio transformers of exceptionally large size are the technical reasons for the splendid tone quality.

**Volume**—We have built into this radio set far more power than is required in any home. This great reserve of power is available through the use of a finely graduated volume control. You can play loudly or very softly.

**Selective**—Four-gang condenser and four individually copper shielded radio frequency transformers make for unusual selectivity. These allow no cutting of side bands, preventing distortion.

**Matched Parts**—Extreme care in assembly is not the only precaution that we take in producing the superb Westrad chassis. The parts that make up this chassis are especially balanced and matched so that each works in perfect harmony toward the common task of producing superb tone and better reception.

**Value**—Never before has radio been as highly refined and developed as it is today. The use of the 245 push-pull principle, Super Dynamic Speaker and many other features make for a set of merit. Compare this set with any on the market and then compare prices. Surely you will agree that here is a value never before offered in the radio industry.



**All Electric Operation**  
105-120 Volts AC  
50-60 Cycle

**Humless**  
You hear none of the annoying AC hum that formerly was present in electric sets. Quiet operation is assured through the use of Mershon condenser and five 227 tubes.

## R. C. A. Licensed

The Westrad 8-tube chassis is built under patents and licenses of Radio Corporation of America. In this way we bring to you the best and latest developments in radio. Size 51" high, 25 $\frac{3}{4}$ " wide, and 16" deep.

Comes complete with Super Dynamic Speaker, less tubes.

Your Price **83<sup>75</sup>**

Style No. 100

List Price \$169.50

Your Price **95<sup>75</sup>**

Console including tubes and aerial equipment ready for operation.

Style No. 101

List Price \$193.50

## Cabinet Only

Will take sets up to 12" x 22" or less.

Your Price

Style No. 147  
List Price \$78.00

**37<sup>50</sup>**

## Rarest of Imported Wood

THE very latest French Door Model with top, sides and door of genuine veneer walnut, Roman finish. The doors have beveled overlays of reversed matched diamond walnut which produces surprisingly changing tones when viewed from different positions. The side pilasters are of very rare imported Carpathian Burl Elm—the most beautiful and expensive burl known. Like all Westrad Consoles—this is an exclusive model and charmingly beautiful.

# Super Dynamic RADIO

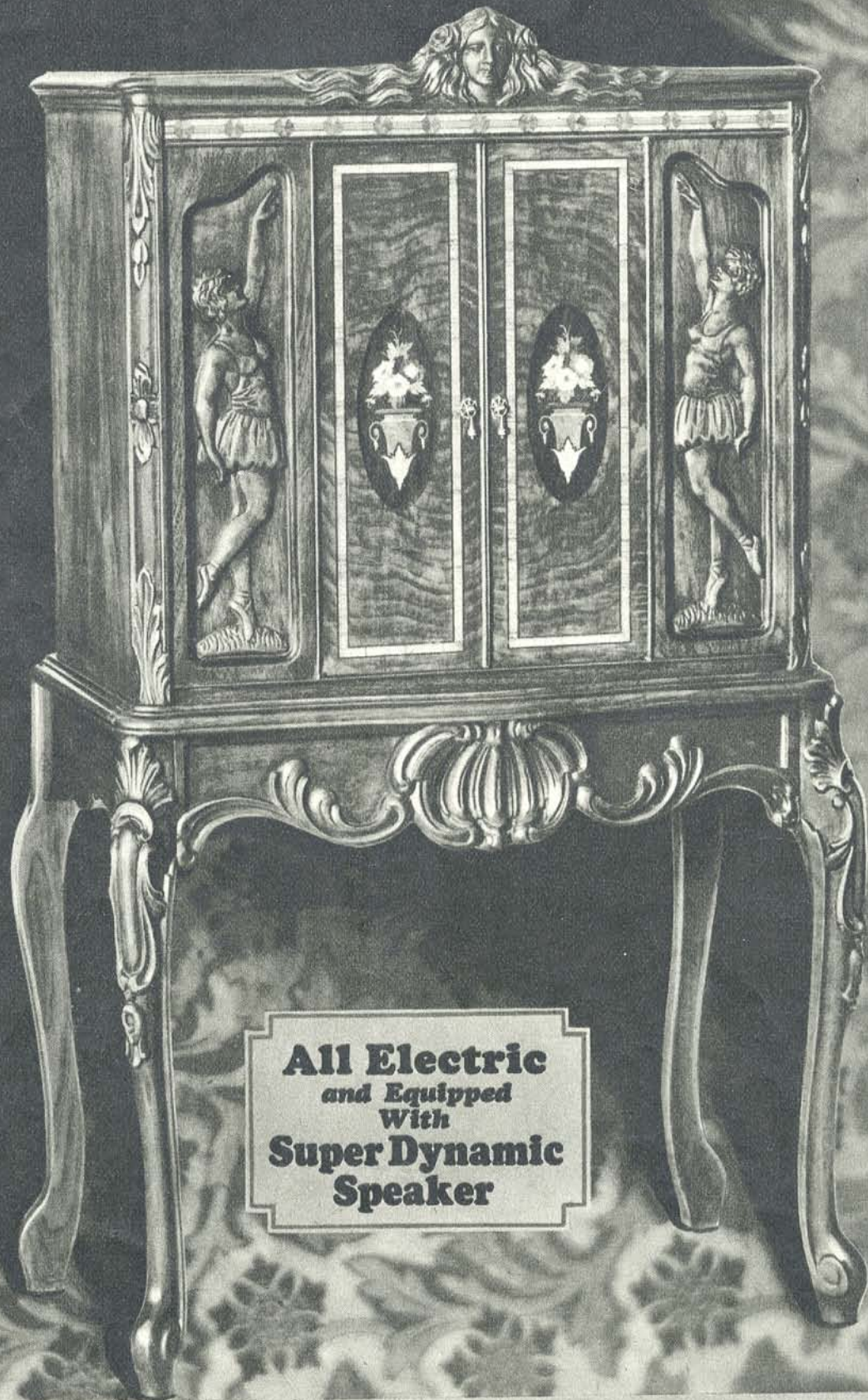


All Electric

**83<sup>75</sup>**  
Net

Less Tubes

# PERIOD MODEL 8Tube CONSOLE



**All Electric**  
*and Equipped*  
*With*  
**Super Dynamic**  
**Speaker**



# Hand Carved *and* Inlaid

## Super Dynamic Speaker

**245**  
**Push-Pull**  
**AUDIO**

THIS beautiful console is not only an object of art but possesses a radio mechanism that will bring in programs of any type to meet the complete approval of the most critical listener. Its efficient chassis is described on page four. There you will

read of the *superb mechanical* qualities that make this 8 Tube Westrad second to none in reception *quality, range and power*. We have combined in this set the best that art and science can produce. The owner is assured of *unending* pleasure and satisfaction.

### R. C. A. Licensed

Because Radio Corporation of America control practically all the improved basic principles in radio design, we like other leading radio manufacturers, produce this set under their licenses. It means that you get the full benefit of all the work done by leading radio engineers. The most delicate, tender tones or the great crash of a large orchestra, are brought to you clearly without distortion or change.

Console complete with Super Dynamic Speaker, less tubes.

Style No. 118  
List Price \$241.50  
**Your Price**  
**\$128<sup>50</sup>**

Console complete with Super Dynamic Speaker, 8 tubes and aerial equipment.

Style No. 119  
List Price \$265.50  
**Your Price**  
**\$140<sup>50</sup>**

### Cabinet Only

If you wish to use your old Chassis and Speaker you can fit it into this beautiful cabinet. Will take any set up to 13" high and 27" long or less.

Style No. 143  
List Price \$150.00  
**Your Price**  
**\$85<sup>00</sup>**



## Art in Furniture

## Real Beauty and Craftsmanship

TRULY, here is the final achievement of the cabinet builders art, for in this console is employed not merely mechanical ability but *artistic talent* of the highest order. The features that you see are carved *by hand*. Wood sculptors, as able as the masters of old, work slowly and painstakingly to create the beautiful carvings. The doors are inlaid wood where design such as this is only seen on the most expensive of imported furniture. This console is worthy company of the best furniture made and we bring it to you at an *astonishingly low price*. Size of cabinet 55 in. high, 33 in. wide, 18 in. deep.

**Operates On**  
**105-120 Volts AC**  
**50-60 Cycles**

## The Famous 8-Tube Westrad Matched and Balanced Chassis

ALL parts in the Westrad Chassis are balanced and matched. By equalizing all parts so that they work in absolute harmony we have produced the very finest of tone. We have built into this radio far more power than is normally required.

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price, \$5.90. Specify when ordering.



List Price Without Tubes or

Batteries \$57.50

Stock No. 195

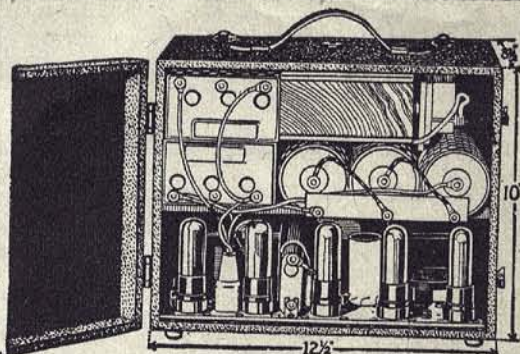
Your Price

**32<sup>50</sup>**

## The Standard 5-TUBE Portable

**Mfg. and Guaranteed  
by Traveler Mfg. Co.**

For a compact, efficient, portable set you can't do better than the Standard made by the Traveler's Mfg. Co. Ideal for home use, in the hospital or traveling. No wires to disconnect, no unattached batteries, aerial or loud speaker. Everything is in one small case: the set, loud speaker, loop aerial and batteries. Weight, 23½ lbs. Size, 8½x10x12½ inches. Case, genuine black moecotan.



### Complete with Accessories

The Standard furnished with the following accessories complete for operation.

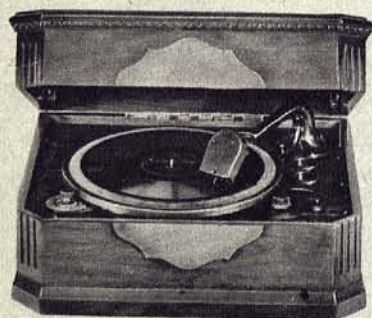
5 CX299 Tubes, Cunningham. 1 C Battery.

2 B Batteries, 45 volt. 3 Dry Cells.

Your Price **44<sup>87</sup>** List Price \$76.90

Stock No. 196

### Built-In Speaker Single Dial Control



### The PHONOTROPE Makes A Radio-Phonograph Combination Out of Any A.C. Radio Set Except Screen Grid

A complete unit including the famous Buckingham Electric Pick-up, Electric Motor, tone arm, turntable, automatic stop and accessories, all enclosed in a beautiful, compact walnut case which can be placed on top of any radio cabinet. Easily and quickly connected. Cannot be used on screen grid radio sets.

Your Price

**40<sup>86</sup>**

Stock No. 197

List Price \$69.50

## PAL Portable Phonographs

### NATIONALLY ADVERTISED

#### Pal Standard



Pal is just the right name for this portable phonograph. Comforts and entertains as only good music can, when well reproduced. Its tone arm, diaphragm and tone chamber are acoustically correct by every scientific test. Its tone is rich, clear and pleasing. Opens with a piano hinge revealing handsome metal grille over chamber opening. Beautiful gold brushed borders over embossed Black Fabrikoid. Size, 7½x11½x15¼ inches.

Your Price **12<sup>75</sup>**

List Price \$25.00  
Stock No. 198

#### Pal Gem

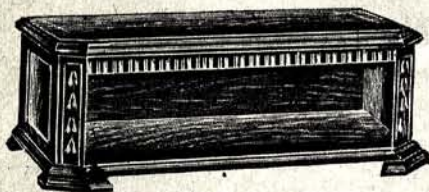
Here's the Junior member of the Pal team of music makers. Well built and designed to sell at a popular price. Has straight tone arm, latest type shielded reproducer. Holds 10 to 12 records. All hardware heavily nickel plated. Attractively embossed and decorated. Size, 7½x11½x13¼ inches. Finished in black Fabrikoid.

Your Price **7<sup>95</sup>**

List Price \$13.50  
Stock No. 199



## American Walnut Cabinets



### Beautiful Polychrome Decorations

Stock No.	Panel Size	List Price	Your Price
150.....	7x18 in.	\$21.00	\$11.73
151.....	7x21 in.	22.00	12.30
152.....	7x24 in.	22.50	12.60

A FINE quality cabinet beautifully decorated in polychrome. Sides are slightly raised with panel effect. Nickeled piano hinge lid. Made to take standard 7-inch panel. If 8-inch panel, simply remove top decorative strip. 8 inches high inside, 12 inches deep from panel to back. In three lengths as shown to the left.



## Sheridan Table Speaker

A trim looking table speaker that combines beauty and economy. Attractively finished in walnut and will match well in any decorative plan. A speaker of the magnetic or dynamic type can be easily installed.

Your Price  
List Price \$15.00  
Stock No. 154

**8<sup>82</sup>**

## TWO-TONE Walnut Table

A popularly priced radio table finished in two-tone walnut, with gold stripe separating finishes. Back entirely open for power supply. Brass finish knobs and panels give appearance of doors in front. Height 30 in.; top 16x30 in.

Your Price  
**8<sup>85</sup>**

Stock No. 153

List Price \$16.25



## ORNAMENTED IRON Table and Bench Stratford Model

The vogue of Spanish design ornamented iron tables and benches is becoming increasingly popular. The antique, polychrome finish is in rare good taste and distinguishes this set from the commonplace. The set and speaker are shown as a decorative suggestion and are not included in the price.

	List Price	Your Price
Table Stock No. 155.....	\$12.25	\$7.20
Bench Stock No. 156.....	9.00	5.30

An ideal arrangement for placing a box type of radio. Table dimensions 27 inches high, top 13 in. x 20 in. Bench has Red Jacquard covering.



## CASA LOMA Ornamented Iron Table and Bench

This is our DeLuxe type of Spanish ornamented iron Table and Bench. It is just the thing to give a room a spot of color, without being obtrusive. The iron is beautifully polychromed and bench is covered with red velour. Table is 27 inches high, top 13 inches by 20 inches.



Table and Bench are shipped knocked-down. Can be easily assembled. Set and speaker are merely shown to give an idea of the entire effect.

	List Price	Your Price
Table Stock No. 157.....	\$12.25	\$7.20
Bench Stock No. 158.....	5.25	3.58

**Eveready  
RAYTHEON**  
Long Life Rectifying  
Tube



Used as a replacement in all well known "B" Eliminators such as All American, Kingston, Acme, Burns, Majestic, B. T. Mayolin, Valley, Webster and many others.

**Type BH 125 M. A.**

For heavy duty applications of light socket power. Used in many power amplifiers and complete AC operated receivers. Rating 125 m. a. output at 200 volts.

Your Price

**2<sup>65</sup>**

List Price \$4.50

Stock No. 212

**Type BA 350 M. A.**

Your Price

**4<sup>41</sup>**

List Price \$7.50

Stock No. 213

Light socket power units employ this type to provide enough voltage to operate any receiver using standard 201-A tubes in series and power amplification.

**RAYTHEON  
for Television**

A gaseous discharge glow lamp for converting electrical variations into light variations. It was particularly developed as the source of light in experimental television reception circuits. The variation of light is instantaneous and directly proportional to applied voltage changes. Its characteristics also make it adaptable as a low frequency oscillator.

Your Price

**4<sup>41</sup>**

List Price \$7.50

Stock No. 214

**SONATRON  
Radio Tubes**

Licensed by Radio Corp. of America,  
General Electric and Westinghouse

Stock No.	Volts	Amps.	Type	List Price	Your Price
SX-201A	5	.25	Amplifier or Det.	\$ 1.25	\$0.68
S-200A	5	.25	Special Detector	4.00	2.16
SX-199	3	.06	Amp. and Det., X Base	2.50	1.35
S-199	3	.06	Amp. and Det., Short Prongs	2.75	1.48
SX-120	3	.125	Power Amplifier	3.00	1.62
SX-112A	5	.25	Power Amplifier	2.25	1.22
SX-171A	5	.25	Power Amplifier	2.25	1.22
SX-210	7½	1.25	Power Amplifier	9.00	4.85
SX-250	7½	1.25	Power Amplifier	11.00	5.93
SX-240	5	.25	Hi Mu Amp. & Det.	3.00	1.62
SX-280	5		Full Wave Rectifier	3.00	1.62
SX-281	7.5		Half Wave Rectifier	7.25	3.91
SX-245	2½		Power Amplifier	3.50	1.88
SX-222	3.3		DC Screen Grid	4.50	2.43
SX-224	2½		AC Screen Grid	4.00	2.16
SX-226	1½		AC Amplifier	1.75	.94
SX-227	2½		AC Det. & Amp.	2.50	1.35
SX-171A0			AC Power Amp.	3.50	1.88

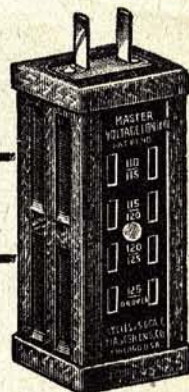
**CUNNINGHAM  
OR**

**R C A Radiotron Tubes**

(We will ship the brand we have in stock)

Made by the General Electric Co. Proven efficiency in every type of receiver. Every tube thoroughly tested before shipped

Stock No.	Amp.	Type	List Price	Volts	Your Price
C.X.300A	¼	Detector	\$ 4.00	5	\$2.35
C.X.301A	¼	Detector or Amp.	1.25	5	.74
C.X.299	.06	Detector or Amp.	2.50	3	1.47
C.X.12	¼	Detector or Amp.	3.00	1½	1.77
C. 299	.06	Detector or Amp.	2.75	3	1.62
C.X.220	.125	Power Amplifier	3.00	3	1.77
C.X.112A	.25	Power Amplifier	2.25	5	1.33
C.X.371A	.25	Power Amplifier	2.25	5	1.33
C.X.310	1¼	Power Amplifier	9.00	6-7½	5.30
C.X.374		Voltage Regulator	4.75		2.79
C.X.340	¼	Hi-Mu	3.00	5	1.77
C.X.322		Screen Grid Tube DC	4.50		2.65
C.X.381	.125	Single Wave Rectifier	7.25		4.26
C.X.380	.20	Full Wave Rectifier	3.00	5	1.77
C.X.350	1¼	Power Amplifier	11.00	6-7½	6.47
C.X.326	AC	4 Prong Amp.	1.75	1½	1.03
C.X.327	AC	5 Prong Amp. and Det.	2.50	2½	1.47
C.X.324	AC	Screen Grid	4.00		2.35
C.X.345	AC	Power Amp.	3.50		2.06



**Keep Correct Line  
Voltage with the  
Master Voltage  
Regulator**

Reduces excess line voltage to the correct value. Keeps AC Tubes burning at the correct voltage and at their greatest efficiency. Only voltage regulator in which daily line voltages have been compensated for. No moving parts to get out of adjustment. Improves reception and reduces static and outside noises. Air cooled. Length 4 in., height 1½ in., width 1½ in.

Standard Type Capacity 60 watts for use on sets with a g-netic speakers.  
Heavy Duty Type, capacity 150 watts for use on sets with built-in dynamic speakers.

Your Price  
**1<sup>47</sup>**

List Price \$2.50  
Stock No. 215

Your Price  
**1<sup>77</sup>**

List Price \$3.00  
Stock No. 216

**The New  
X-L Link**



**AC Voltage Regula-  
tor**

Your set is not all AC until you attach it to the light socket with an X-L LINK. Positive Line Voltage Regulation—absolute protection against excessive voltage application to tube filaments. Increases selectivity—reduces all interference—eliminates all external wires. Double socket outlet for set and dynamic speaker or "A" and "B" eliminators, if used. Protects instruments and tubes from burning out and eliminates fire hazard. All AC operation, one wire to the light socket operates the entire set, including antenna and ground. Control switch for sets using power units or 110-volt AC Dynamic Speaker. Attached to the set in less than a minute. Requires no wiring.

Your Price

**3<sup>38</sup>**

List Price \$5.75  
Stock No. 217



**L**A SALLE Tubes are manufactured under the laboratory principle — individually made, individually tested and inspected. They are made under license of patents held by Radio Corporation of America, General Electric, and Westinghouse. Every La Salle High Vacuum Tube is Meter tested before it is shipped.

# La Salle

## HIGH VACUUM TUBES

Licensed by  
Radio Corp.  
of America

\*\*\*

General  
Electric  
Company

\*\*\*

Westinghouse  
Electric Co.

Stock No.	Amp.	Volts	Type	List Price	Your Price
L.S. 200A...	1/4..	5	Detector	\$ 4.00...	<b>\$2.12</b>
L.S. 201A...	1/4..	5	Detector or Amp.	1.25...	<b>.66</b>
L.U.V. 199..	.06 ..	3	Short Prongs... Detector or Amp.	2.75...	<b>1.45</b>
L.U.X. 199..	.06 ..	3	Long Prongs... Detector or Amp.	2.50...	<b>1.33</b>
L.S. 171A...	1/4..	5	Power Amplifier	2.25...	<b>1.20</b>
L.S. 112A...	1/4..	5	Power Amplifier	2.25...	<b>1.20</b>
L.S. 210....	1 1/4..	6-7 1/2	Power Amplifier	9.00...	<b>4.77</b>
L.S. 224....	..	..	Screen Grid Tube A.C.	4.00...	<b>2.12</b>
L.S. 281....	1.25 ..	7 1/2	Single Wave Rectifier...	7.25...	<b>3.84</b>
L.S. 280....	2.0 ..	5	Full Wave Rectifier....	3.00...	<b>1.59</b>
L.S. 250....	1 1/4..	6-7 1/2	Power Amplifier	11.00...	<b>5.82</b>
L.S. 226....	A. C. ..	1 1/2	4 Prong Amp.	1.75...	<b>.93</b>
L.S. 227....	A. C. ..	2 1/2	5 Prong Det. & Amp.	2.50...	<b>1.33</b>
L.S. 245....	..	..	A.C. Power Amplifier....	3.50...	<b>1.85</b>



## Every Tube Tested

Alltron Radio Tubes are made of materials that assure long life. They are carefully made and inspected after every operation in their manufacture. Alltron Tubes are made in the twelve types listed below and offer exceptional service for tubes priced so surprisingly low. Each tube meter tested before shipped. Mention type and stock number when ordering.



<b>Type 201A Detector and Amplifier</b> Your Price List Price \$1.25 Stock No. 200 <b>49c</b>	<b>Type 171A Power Tube</b> Your Price List Price \$2.25 Stock No. 201 <b>85c</b>	<b>Type 112A Power Tube</b> Your Price List Price \$2.25 Stock No. 202 <b>85c</b>	<b>Type 226 A.C. Radio and Audio Amplifier</b> Your Price List Price \$1.75 Stock No. 203 <b>79c</b>
<b>Type 245 A.C. Power Tube</b> Your Price List Price \$3.50 Stock No. 204 <b>1.49</b>	<b>Type 210 Power Tube</b> Your Price List Price \$9.00 Stock No. 205 <b>3.45</b>	<b>Type 200A Detector</b> Your Price List Price \$4.00 Stock No. 206 <b>1.25</b>	<b>Type 171 A.C. Ideal for A.C. Sets—Long Life</b> Your Price List Price \$3.50 Stock No. 207 <b>1.25</b>
<b>Type 280 Power Tube</b> Your Price List Price \$3.00 Stock No. 208 <b>1.25</b>	<b>Type 227 A.C. Det. &amp; Amp.</b> Your Price List Price \$2.50 Stock No. 209 <b>1.15</b>	<b>Type 250 Power Tube</b> Your Price List Price \$11.00 Stock No. 210 <b>4.55</b>	<b>Type 281 Power Tube</b> Your Price List Price \$7.25 Stock No. 211 <b>2.47</b>

**WESTERN RADIO for RELIABLE PRODUCTS**



## JEWELL TEST PANEL

Pattern 581

Provides every requirement for rapid and accurate testing of radio receivers in the repair shop or laboratory. The seven instruments are all large flush type, approximately 5" in diameter, with long, finely-divided scales. The panel of black enameled steel is designed for mounting at eye height either on a bench, or for attaching to the wall.

The seven instruments are 0-7.5 volts DC with a 0-3000 ohm scale; 0-75 volts DC; 0-150-300-750 volts DC; 1000 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 are supplied so that all instruments can be used individually and with switches to cover all ranges.

The 750 volt AC range enables testing power pack secondaries for open circuits and the capacity meter which gives direct readings at 115 volts. 60 cycles provides an efficient method of determining condenser values.

Tests of screen grid tubes have also been provided for. Connection to the 110 volt, 60 cycle, AC line, so that the line voltage may be read. Provided for connecting set on tester.

## Complete Set Tester

Wired complete as pictured

List Price \$212.00

Your Price **155<sup>82</sup>**

Stock No. 1300

Type 580

Wired complete with service bench.

List Price \$278.50

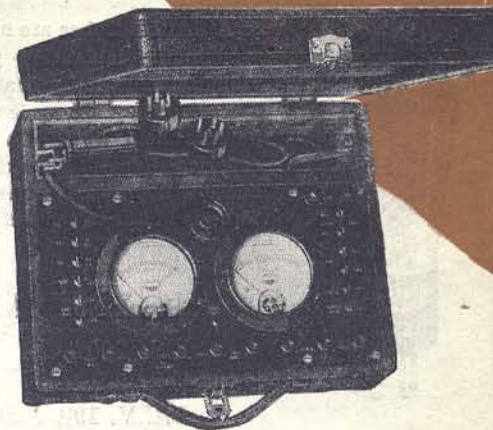
Your Price **204<sup>70</sup>**

Stock No. 1301



## INSTRUMENTS

If you need any Jewell instrument—whether shown in this catalog or not—we can supply you. Tell us your requirements—we can ship promptly.



Pattern 199

## JEWELL AC-DC Set Analyzer

The Jewell Pattern 199 provides every test required for effective radio servicing. It tests AC, DC, and shielded grid tubes, A and B-Eliminator batteries, circuits, grid, plate and cathode voltages, plate milliamperes, chargers, and line voltage. Ranges of instruments are: 0-4-8-16-160 A 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 analysis charts and complete instructions. Approximate shipping weight, 13 lbs.

Type 199

List Price \$97.50

Your Price

**71<sup>67</sup>**

Stock No. 1302

Type 198—Same as Type 199 except that compartments are provided in the case for test and replacement tubes.

Type 198

List Price \$110.00

Your Price

**80<sup>85</sup>**

Stock No. 1303



Your Price

**47<sup>78</sup>**

List Price \$65.00

Stock No. 1304

## The JEWELL Pattern 210

### Tube Tester

Gives direct readings on all tubes from UX-199 to UX-250, also half and full wave rectifier and screen grid tubes. The scale of the DC instrument is divided into 100 arbitrary units. Values on all standard tubes in accordance with this arbitrary scale are included in the instructions.

210 Tube Checker contained in a genuine Morocco leather covered case. Panel carries an AC voltmeter, a direct current instrument, and a transformer for supplying filament energy of 1.1, 1.5, 2.5, 3, 5 and 7.5 volts. Both 4 and 5-prong tube sockets are provided.

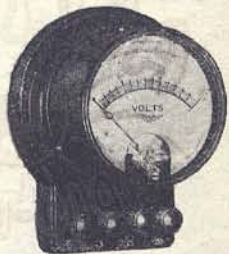
A high resistance rheostat in connection with the AC voltmeter compensates for line variations between 100 and 130 volts. Pattern 210 Tube Checker.

Your Price **11<sup>03</sup>**

Stock No. 1305  
List Price \$15.00

## JEWELL Type 77 AC Voltmeter

The current draw is very small and the ranges are ample to check and adjust all voltages likely to be encountered. Lower ranges are for filament voltage checking while higher ranges are for line voltage. Range 0-3-15-150.

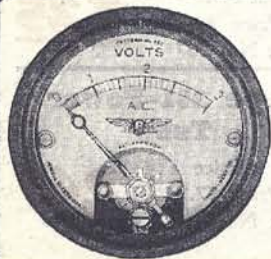
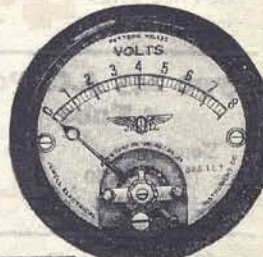


## JEWELL DC Meter

### Pattern 135

A well known 2-in. panel mounting DC instrument. Specify type wanted.

Stock No.	Range	List Price	YOUR PRICE
1308.	0-5, 8, 10 Volts...	\$7.00	\$4.46
1309.	0-100 or 0-150 Volts	7.50	4.79
1310.	0-10, 25, 50, 100, 300 or 500 Milli-amperes	7.00	4.46
1311.	0-3, 0-5 Amperes..	7.00	4.46



## JEWELL Pattern 190 AC

A 2-inch flush type AC instrument. 2-inch Panel mounting. Extremely accurate. Valuable for AC filament control and line voltage checking. Specify type wanted.

0-3, 0-5, or 0-15 Volts

Your Price **5<sup>52</sup>**

List Price \$7.50  
Stock No. 1306

0-150 Volts

Your Price **6<sup>99</sup>**

List Price \$9.50  
Stock No. 1307

VALUE and QUALITY LEADERS SINCE 1921

# METERS



Your Price **10<sup>52</sup>**

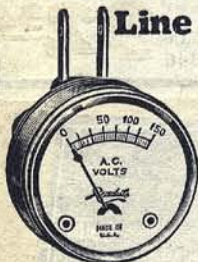
List Price \$16.50

## Jewell B-Eliminator Tester-Type 139

An accurate D'Arsonval type high resistance voltmeter. For testing "B" Eliminator voltages. Maintains its accuracy. Better operation from your "B" power supply if you check its delivered voltage. Every set owner should have this instrument. 0-500 Volts.

Stock No. 1312

## Readrite Plug-In Line Voltmeter



Reads voltage of line. Standard wall plug terminals. Accurate Readrite instrument. No. 148—0-150 volts AC—DC.

Your Price **177**

List Price \$3.00  
Stock No. 1328

## Readrite Portable Meters

VOLTMETERS are of the repulsion type. Can be used for either AC or DC testing.

AC Voltmeters are accurately calibrated and have very uniform divisions throughout the scale lengths. Voltmeters contain high resistances.



### Type 248

0-150 Volt—750 Volt AC or DC.  
List Price \$8.00

Your Price **471**

Stock No. 1329

### Type 348

0-150 Volt AC or DC Line Voltmeter.  
List Price \$4.00

Your Price **235**

Stock No. 1330

### Type 349

0-300 Volt AC or DC.  
List Price \$5.00

Your Price **294**

Stock No. 1331

### Type 246

0-60-300 Volt for DC Only.  
List Price \$4.00

Your Price **235**

Stock No. 1332



## Readrite

## Home Tube Testers AC and DC

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.

### Type A-10

Test up to 10 MA., AC or DC.

List Price \$3.00

Your Price **177**

Stock No. 1326

### Type A-50

Test up to 50 MA., AC or DC.

List Price \$4.00  
Your Price **235**

Stock No. 1327

## Readrite Panel Meters

Stock No.	Type	Description	List Price	YOUR PRICE
1333	326	0-5 Volts	\$1.00	<b>\$0.59</b>
1334	310	0-10 Volts	1.00	<b>.59</b>
1335	342	0-150 Volts	1.50	<b>.88</b>

### AMMETER

Ammeter for measuring filament current.

Stock No.	Type	Description	List Price	YOUR PRICE
1336	338	0-10 amps.	\$1.00	<b>\$0.59</b>

### MILLIAMMETERS

Milliammeters for measuring plate current.

Stock No.	Type	Description	List Price	YOUR PRICE
1337	311	0-10 milliam.	\$1.75	<b>\$1.03</b>
1338	325	0-25 milliam.	1.00	<b>.59</b>
1339	390	0-100 milliam.	1.00	<b>.59</b>
1340	394	0-400 milliam.	1.00	<b>.59</b>

### DC or AC VOLTMETERS

AC Voltmeters.

Stock No.	Type	Description	List Price	YOUR PRICE
1341	353	0-6 volts	\$2.50	<b>\$1.47</b>
1342	352	0-10 volts	2.50	<b>1.47</b>
1343	348P	0-150 volts	4.00	<b>2.35</b>

## Radio Frequency Ammeter Jewell Pattern No. 64 3" Meter



A thermocouple type radio frequency Ammeter. Is accurate and has a guaranteed overload capacity of 50%. Specify type wanted.

Stock No.	Range	List Price	YOUR PRICE
1313.	0-250 Milliampers	\$13.00	<b>\$9.56</b>
1314.	0-.5, 1, 1.5, 2.5, 3, 5, 10 or 15 Amperes	13.35	<b>9.80</b>
1315.	0-100 Galvanometer	15.00	<b>11.03</b>

## Jewell No. 74 AC Meter

Many dealers and service men find it desirable to make up special test panels for checking AC sets. Pattern No. 74, 3-inch flush type instrument is recommended for this purpose or for any other where a small AC meter is required. Specify type wanted.

Stock No.	Range	List Price	YOUR PRICE
1316.	0-10 or 0-15 Volts	\$ 7.50	<b>\$5.52</b>
1317.	0-150 Volts	9.50	<b>6.99</b>
1318.	0-3-15-150 Triple Range Volts.	13.50	<b>9.93</b>

## Jewell No. 54 DC Meter

Frequently used to measure plate voltage in transmitting sets and general laboratory work where higher voltages are encountered.

These instruments are always supplied with external resistors having moulded bakelite heads, amply large to take care of the various capacities. Not suitable for taking the voltage of "B" eliminators. Be sure to specify type wanted.

Stock No.	Range	List Price	YOUR PRICE
1319.	0-8, 0-10 or 0-15 Volts	\$ 7.50	<b>\$5.52</b>
1320.	0-150 Volts	9.50	<b>6.99</b>
1321.	0-500 Volts	15.50	<b>11.40</b>
1322.	0-1, 0-3, 0-5 Ampere	7.50	<b>5.52</b>
1323.	0-3, 0-5, 0-25, 0-50, 0-100, 0-250, 0-300, 0-500 or 0-1000 Milliampers	7.50	<b>5.52</b>
1324.	0-1 Milliampers	9.00	<b>6.62</b>
1325.	50-0-50 Galvanometer	9.00	<b>6.62</b>

Check your circuits accurately with Readrite Panel Meters. Require 2 3/8 inch hole. Rim is 2 1/8 inches diameter. Back clamps furnished. Metal silvered dials.



## No. 218 READRITE

### A C Voltage Regulator



Needed by every set using AC tubes. Equipped with AC voltmeter and giant rheostat. Protect your investment in these high priced tubes.

Your Price **382**

List Price \$6.50  
Stock No. 1344



**READ-  
RITE  
Model  
15**

**Set and Tube  
Testers**

**Set Analyzer and  
Service Kit**

Be your own trouble shooter. The Readrite Analyzer is an efficient sure device for searching out the cause of radio faults. Services either AC or DC sets. Equipped with regular adapters, and also a new adapter for testing screen grid tubes and a special switch adapter for full wave rectifying tubes. Instrument ranges: DC volts 0-60, 0-300 and 0-600; AC volts 0-10 and 0-140; milliamperes 0-20 and 0-100. Special tip jack connections permit individual use of these meters for a wide variety of testing including transformers, chokes, condensers, etc. Compartments for grid leaks, condensers, screws and findings, in bottom of case for soldering iron, tools and extra tubes. A single motion opens case ready for use. Size closed, 7x7x14 inches. Metal case finished in dark brown enamel.

Your Price

**19<sup>41</sup>**

List Price \$33.00  
Stock No. 1345

**READ-  
RITE  
Set,  
Tube  
Tester**

**and Tool Case  
Type No. 14-A De Luxe  
Radio Servicer**

Test circuits, tubes, power units, line voltages and provides large space for tools. A new, unique method of plug-in meters permits a wide variety of use. Equally suitable for AC or DC sets. Carries special adapters for screen grid and other tubes. The meters provided are 0-10 volts AC-DC, double range milliammeter 0-20-100, 0-500 high resistance B eliminator voltmeter, and No. 148-0-150 AC-DC Voltmeter. Also has a grid bias switch. Outside dimensions, 11 x 7 3/4 x 14 inches. Leatherette covered.



Your Price

**32<sup>34</sup>**

List Price \$55.00  
Stock No. 1346



**HOYT-BURTON-ROGERS  
FLEWELLING  
Tube Checker**

The Model B Checker is the most modern instrument of its type being equipped to test both the AC and DC Screen Grid tubes, direct in sockets provided for them, no adapters being necessary for these tests. It is also provided with Tip Jacks and flexible leads for connecting to external heater contacts such as on Kellogg tubes. This instrument plugs into any 110 V. 60 cycle source, and is supplied complete with extra leads and contacts for special types of tubes.

Foolproof to a remarkable degree. No rheostats or other adjustments to regulate.

Condition of tube is clearly indicated by referring to table engraved on panel.

Housed in moulded bakelite box with a neat leather carrying strap. Brackets for mounting on wall or table included.

Your Price

**22<sup>30</sup>**

List Price \$32.50  
Stock No. 1356

**READRITE No. 9  
Radio Test Set**

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" high. Has 4 meter tube tester connected with five-foot cord, plug and adapters. Also a five-foot polarity cable with tips for special test meter. Power rheostat, grid switch, four and five-prong sockets with interchangeable meters all on marked Bakelite panel. Will make every kind of test of tubes and circuits. Locates faults quickly without switches or other cord connections. Full instructions and tube chart.

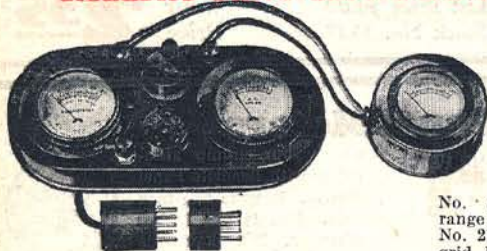


Your Price

**20<sup>58</sup>**

List Price \$35.00  
Stock No. 1347

**Readrite Universal AC-DC Test Set**



Used and endorsed by thousands of service men. Simple and practical. Consists of combination of No. 215 tester with our No. 346 DC voltmeter, range 0-300 volts. The No. 215 Tester provides a grid bias switch, a double reading DC milliammeter, range 0-20-100, and an AC-DC repulsion type voltmeter, range 0-160 volts.

Extra cords and tip jack connections, permitting the use of each meter individually. Also checks line voltage. A very complete outfit.

Complete with 0-300 Type No. 346 B-Eliminator Tester.

Your Price

**9<sup>41</sup>**

List Price \$16.00  
Stock No. 1348

Type 215 Less B-Eliminator Tester.

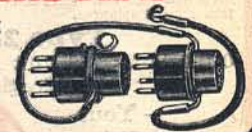
Your Price

**7<sup>06</sup>**

List Price \$12.00  
Stock No. 1349

**Adapters for Screen Grid Tubes**

- | Stock No. | Description  | List Price | YOUR PRICE |
|-----------|--|------------|------------|
| 1351.     | No. 122 Cord and Plug for testing No. 222 Screen Grid DC Tube. | \$2.00     | \$1.18     |
| 1352.     | No. 123 Cord and Plug for testing No. 224 Screen Grid AC Tube. | 2.00       | 1.18       |



**READRITE No. 245 Tester  
Tests Screen Grid Tubes**

Works equally well as a set analyzer or tube tester. It has the equivalent of six meters, although only three meters are supplied, but these are equipped with double scales and switches for using each scale.

Meters Used—

- 0-10, 0-140 AC or DC for testing filament and line voltages. DC voltmeter 0-60 and 0-300 for testing plate and grid voltages and also B batteries.
- Milliammeter 0-20 and 0-100.

Repulsion type AC voltmeter of exceptionally high quality and operates equally well on AC or DC. Tipped cords supplied for using meters individually. A grid jack makes possible the testing of grid voltages, as well as the grid condition of tubes. 4 and 5 prong and screen grid adapters are supplied. Complete with a compact carrying case, and cover has spring clips inside for holding cable plug and adapter and screen grid cable. Enamelled finish. Strap handle for carrying. Test the newest sets using screen grid, and all type tubes.

Your Price

**11<sup>76</sup>**

List Price \$20.00  
Stock No. 1355



Complete with Cover

**No. 216 AC-DC Tester**

Similar to No. 215 shown above. Same case and meters as No. 215 tester, but provided with extra cords and tip jack connections, permitting the use of each meter individually. Also checks line voltage.

No. 216 Tester, not including extra voltmeter.

Stock No. 1350

Your Price

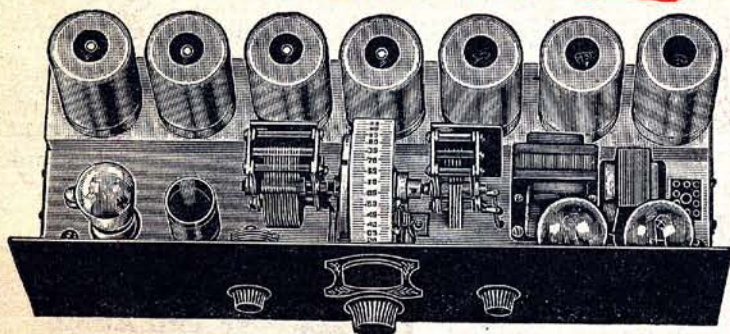
**7<sup>94</sup>**

List Price \$13.50

**VALUE and QUALITY LEADERS SINCE 1921**



# New HFL Mastertone



**Engineered for Better Performance . . . . .**

**E**ACH and every Mastertone is assembled and wired under the personal direction of the two distinguished engineers who developed this wonder receiver. Every step of its making is done by skilled radio constructors. Severest tests of each and every unit of material are made. Each unit is individually tested as it takes its place in the complete receiver. Every receiver is given repeated and continuous tests, both mechanical and on the air, before it is finally passed by the engineer.

Amplification system built around new AC screen grid tubes. This tube is especially adapted to intermediate frequency stages of superheterodyne receiver. All tendency toward oscillation is eliminated. Five screen grid tubes employed. Fifth one is detector, upon plate of which is impressed 175 volts. This new system of power screen grid detection absolutely prevents overloading the detector. The latest engineering development in radio.

Wire screen backing of console or a metal plate fastened in top of cabinet will be sufficient aerial. Coast to coast reception is possible with such an antenna. For still louder signals or greater distance, either an inside or outside antenna may be used.

Intermediate system employs four screen grid tubes with five tuned filter circuits, which are all individually adjustable to absolute peak of frequency to which they are tuned. This not only assures positive 10 kilocycle selectivity, but defined clarity as well. Highly amplified signal is fed into the screen grid power detector and thence to the audio system.

## AN ENTIRELY NEW AUDIO SYSTEM

The power detector feeds into unity coupled first audio stage which is similar to resistance coupled amplification. First audio stage is followed by two 245 tubes in push pull. Push pull input transformer feeding the new 245 tubes is another new development. It is of the interspace type. The primaries are wound separately and so placed as to effect a cut-off of all the objectionable high noises. Even a magnetic or horn speaker can be used.

A plug-in jack is provided for the instant attachment of an electric phonograph pick-up system. The entire audio system, three stages, is employed for this purpose.

A combination of steel and copper sections are used. All stages as well as the tubes are individually shielded.

The receiver is very compact. Front panel is 7x21 inches and the chassis is only 7/2 inches deep.

New HFL Mastertone. Factory built. Wired Chassis, without Power Pack or Tubes.

List Price \$110.00

Your Price **\$64<sup>68</sup>**

Stock No. 225

New HFL MASTERTONE AND MASTER POWER PACK. Factory Wired. Less Tubes.

List Price \$180.00

Your Price

**\$105<sup>84</sup>**

Stock No. 226

## TUBES for NEW HFL MASTERTONE

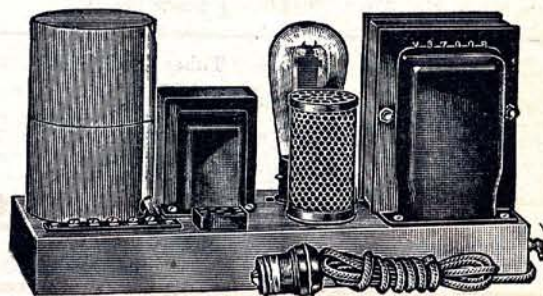
Tubes required for new HFL Mastertone: 5-324, 3-327, 2-345, and 1-380 for Power Pack. Cunningham or RCA; we will furnish the tubes we have in stock.

List Price \$37.50

Your Price **\$22<sup>05</sup>**

Stock No. 228

**Latest Screen Grid, Eleven Tube Chassis, Humless AC Operation, 245 Push Pull Audio, Single Dial Tuning, All Metal Chassis Completely Shielded, Automatic Line Voltage Control**



## NEW HFL POWER MASTER

Though a necessary part of the receiver, the power supply unit is built separately for ease of installation. This is not just a power pack hooked onto the receiver, but a specially developed unit of the receiver itself. Big oversized transformer. The filter system equipped with heavy choke and new self healing type Mershon condensers of 24 microfarads capacity. Automatic line ballast and regulator levels out all fluctuations in line voltage from 95 to 130 volts. This unit may be switched out if not required. A full wave 280 type rectifier tube is used.

New HFL MASTER POWER PACK, Factory Built and Wired Less Tubes

List Price \$70.00

Your Price

**\$41<sup>16</sup>**

Stock No. 227

## Unusual Features of Design for Speakers

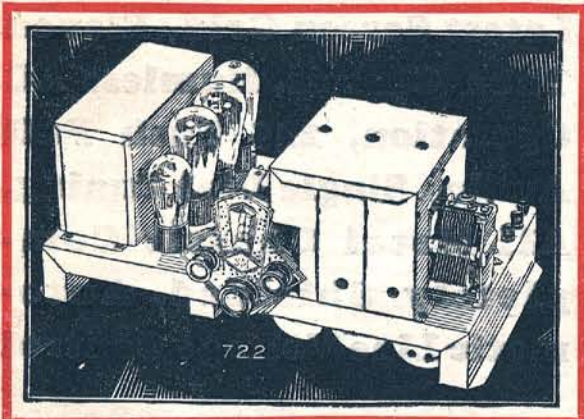
Ample provisions for the dissipation of heat have been made. Voltages for dynamic speakers of either the DC or AC variety are provided. If a DC type is used, one having a 2200 to 2500 ohm field coil, using 50 to 55 mils. is recommended. Separate terminals for interchanging these speakers are found on the chassis.

**WESTERN RADIO for RELIABLE PRODUCTS**

for 105-120  
Volts, 60  
Cycle AC



# Silver-Marshall 722 Band Selector Seven



**E**MPLOYS two stages of r.f. amplification, a 224 screen-grid detector giving approximately five times the efficiency of the best power detection obtainable from the 227 type, a 227 resistance-coupled first audio stage and a pair of 245 push-pull output tubes. Completely assembled upon a formed and pierced steel chassis.

The r. f. tubes and three sections of the gang condenser are shielded. Band selector gives excellent results. Used between antenna and r. f. amplifier. This selector, in combination with a new and highly efficient r. f. transformer, coupling the r. f. tubes to each other and to the detector, actually results in more amplification in the 722 than that ordinarily obtained from three r. f. screen-grid stages. A special low-ratio input transformer is used, through which the 227 feeds the 245 tubes.

**Screen Grid—  
245 Push Pull Audio  
Steel Chassis—  
Built-in ABC Power  
All Parts Shielded  
Licensed by R. C. A.**

The built-in ABC power supply is mounted at the left side of the receiver chassis, forming a part of the receiver. A 280 rectifier tube is used. The 722 receiver is intended to operate with S-M 851 or equivalent dynamic speaker, and has provision for furnishing all required field power to the speaker, the field of which is used as a choke in the power supply filter circuit. The chassis makes a compact unit 18 $\frac{1}{2}$  x 9 $\frac{1}{2}$  inches. The 722 receiver is RCA-licensed, and is available completely wired.

Complete Kit Less Tubes and Cabinet, Not Wired

Your Price

**51<sup>84</sup>**

Stock No. 350

Complete Factory Wired, Less Tubes and Cabinet

Your Price

**73<sup>25</sup>**

Stock No. 351

S-M 707 Metal Cabinet for 722 Set

Your Price

**7<sup>60</sup>**

Stock No. 352

Tubes for 722 Kit

Tubes for above set 3—224, 1—227, 2—245, 1—280 Cunningham or R. C. A. We will supply the ones we have in stock.

Your Price

List Price **14<sup>40</sup>**

\$24.50

Stock No. 353

## New SM 690 Auditorium Amplifier Operates up to 160 Speakers

### Operates from AC Light Socket

The 690 super power amplifier fills a long felt want among experimenters in sound amplification because of its ability to cover large groups of people. Coverage of many thousands of people is obtained with unbelievable tone fidelity. This unit is unique among commercially manufactured AC amplifiers because of its great low-frequency amplification, coupled with a truly negligible value of AC hum. All of the high frequencies which are so necessary to perfect speech are preserved.

#### Amplifies Radio, Voice or Phonograph

It is only necessary to feed this powerful amplifier with the detector output of any standard radio set, standard magnetic phonograph pickup, or single or double button microphone to secure operation.

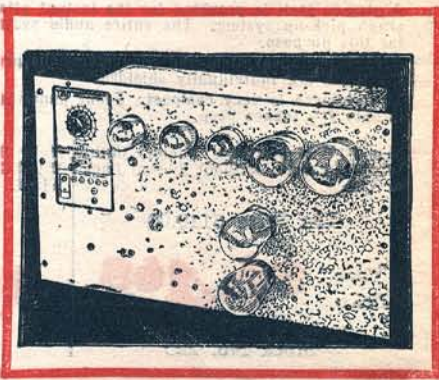
So complete that switching from radio to phonograph, or voice, or vice-versa, requires a fraction of a second. A three-way selector switch mounted on the control panel, needs only a slight turn. Where it is necessary to provide continuous record entertainment by the use of two electric phonograph turntables, the volume control mounted on the control panel allows an ultra-rapid "fading" of records without undesirable interruption.

#### Three Stage Unit Self Contained Power Supply

The S-M 690 Auditorium Amplifier is a complete three-stage unit with self-contained power supply. One straight audio stage followed by two separate push-pull stages. Such features as Clough system amplification, over-size power transformer, variable AC hum-adjuster, full-wave rectification with adequate filtering, and high undistorted output of 15 to 16 watts. The entire power is supplied by any 105-120 volt, 50 to 60 cycle alternating current light socket. In setting up the amplifier, it is only necessary to insert the proper tubes. Overall size, 21 inches long, 14 inches wide, and 8 inches deep.

#### Tubes for 690 Auditorium Amplifier

1—327, 2—326, 2—350, List Price \$42.50  
2—381 Cunningham or R. C. A. We will furnish the tubes we have in stock. Your Price **24<sup>99</sup>**  
Stock No. 355



**SM 690 Auditorium Amplifier Complete Factory Wired and Tested, Less Tubes**

Your Price

Stock No. 354

**144<sup>06</sup>**

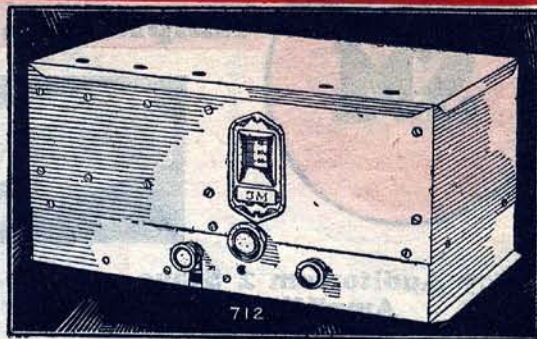
**VALUE and QUALITY LEADERS SINCE 1921**

**"Round  
the  
World  
Six"**



**SM  
712  
Tuner**

**Three  
Shield  
Grid  
Tubes**



One of the finest receivers to be built of standard parts ever offered by SM. Developed from Sargent-Raymont 710 that established so many records last year. Presents features never before available. A tuner only—without audio amplification, with band selector tuning a power detector.

As a result of the development of extremely accurate coils, and use of a precision single-unit five-gang condenser.

There are, five tuned circuits—the first two working together as a band selector in a tuned antenna circuit—resulting in true super-selectivity with still enough width to the top of the resonance curve to produce unrivaled faithfulness of reproduction. The power and sensitivity are so great that a short indoor antenna is all that is necessary for long-distance reception, yet the complete shielding will cause a dead silence if this short antenna be removed.

RCA licensed all-electric receiver, using three 224 type tubes and one 227. It requires but two AC supply voltages—2½ volts for filament, and 180 volts B supply. The chassis is 16½ in. by 9½ in.

Complete SM 712 Kit and Metal Cabinet Less Power Supply and Tubes — Not Wired.

Your Price **40<sup>08</sup>**

Stock No. 364

Factory Wired 712 Chassis with Metal Cabinet Less Tubes and Power Supply.

Your Price **63<sup>60</sup>**

Stock No. 365

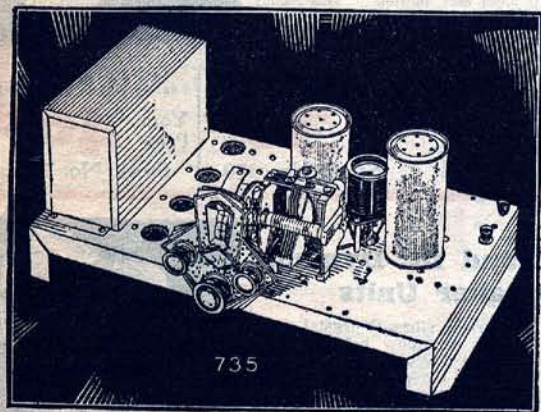
**Tubes for SM  
712 Tuner**

3—324, 1—327 Cunningham or RCA. We will furnish the tubes we have in stock.

List Price \$14.50

Your Price **8<sup>53</sup>**

Stock No. 366



**SM 735 All-Electric  
With Power Supply**

Circuit consists of one stage of untuned screen-grid r. f. amplification followed by a tuned regenerative detector circuit which, by means of six plug-in coils, will cover the entire range of 17 to 650 meters; the ABC power supply and audio amplifier are the same as used in the SM 722. The tuning is controlled by a single vernier illuminated dial, with on-off switch and with the volume smoothly and evenly controlled through a 75 mmfd. condenser. RCA licensed.

**Covers Short Wave and  
Broadcast Bands**

A revelation to the fans who have used previously available receivers on wave lengths under 200 meters. On broadcast bands the performance will be extremely satisfactory, providing high quality medium-distance and local reception. Contains short wave coils from 17 to 200 meters Only. Broadcast Band Coils 131P and 131Q Extra. See coil page 27.

Complete SM 735 Factory Wired and Tested. Less Tubes and Metal Cabinet.

Your Price **63<sup>60</sup>**

Stock No. 356

SM 735 Factory Packed Kit. Less Tubes and Metal Cabinet. Not Wired.

Your Price **44<sup>00</sup>**

Stock No. 357

**Tubes Required for SM 735**

1—324, 2—327, List Price \$19.00  
2—345, 1—280

Cunningham or R.C.A. We will furnish the tubes we have in stock.

Your Price

**11<sup>18</sup>**

Stock No. 358

**Coils for  
Broadcast  
Bands**

Order 1—131P and 1—131Q Coils.

Your Price

**1<sup>62</sup>**

Stock No. 359

**SM 735 DC Battery Short Wave Receiver**

Same circuit that gives excellent results in the AC 735, but adapted for DC. Employs one 222 screen-grid tube and four 112A type, securing power for excellent volume without great current drain. Push-pull stage produces undistorted output. Condenser control gives smooth oscillation control without drag. Plug-in coils. Non-radiating regenerative screen-grid r. f. stage provides distance range. Four short-wave coils, covering 17 to 200 meters, come with the 735 DC receiver; the broadcast-band coils (131P and 131Q) may be purchased separately. Page 27.

SM 735 DC Factory Packed Kit for Battery Operation. Not Wired. Less Tubes and Metal Cabinet.

Your Price **26<sup>26</sup>**

Stock No. 360

SM 735 DC Factory Wired Chassis. Less Tubes and Metal Cabinet.

Your Price **43<sup>90</sup>**

Stock No. 361

**Tubes for  
735 DC**

Tubes required for SM 735 DC Battery Operated: 1—322, 4—112A.

List Price \$13.50

Your Price **7<sup>94</sup>**

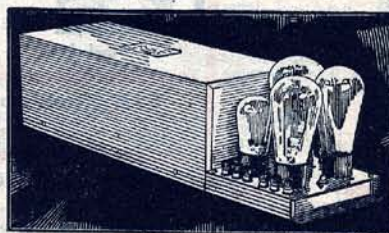
Stock No. 362

**SM 707  
Metal Cabinet**

For SM 735 or SM 735 DC Chassis.

Your Price **7<sup>60</sup>**

Stock No. 363



**SM 677 POWER AMPLIFIER for 712 Tuner**

Two-stage light socket amplifier, wherein the new 245 tubes are employed to best advantage, achieves undistorted amplification. As the amplifier is ordinarily expected to be used with any standard type of dynamic speaker of 90 volt (1900 to 2000 ohm), field having a center-tapped primary, no output transformer or choke is included. For use with 280 tube, and will furnish required ABC power to the amplifier itself and, in addition, heater, and 180 volts B, to the 712 or any equivalent receiver. 105 to 120 volt, 60 cycle. RCA licensed.

SM 677 Power Amplifier Kit, Not Wired, Less Tubes.

Your Price

**42<sup>54</sup>**

Stock No. 367

**Tubes for 677 Amplifier**

1—327, 2—345, 1—380 Cunningham or RCA. We will supply the tubes we have in stock.

Stock No. 369

List Price \$12.50

Your Price

**7<sup>35</sup>**

SM 677 Power Amplifier, Factory Wired, Less Tubes.

Your Price

**57<sup>33</sup>**

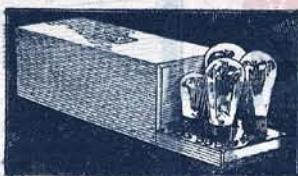
Stock No. 368

**WESTERN RADIO for RELIABLE PRODUCTS**



# Amplifiers, Power Supplies, Dynamic Speakers

## 679 Auditorium 2 Stage Amplifier



Ideally suited for use where medium power amplification is desired. Operates direct from the detector output of any standard radio set, magnetic phonograph pickup, or single or double button microphone.

Has an undistorted output of 7 to 8 watts. Considering that successful operation of a dynamic speaker requires only from .5 to 2 watts, and a magnetic type speaker about .125 watt, it is easily seen that from four to eight dynamics, or from thirty to sixty magnetic speakers may be used. A strictly high quality amplifier. Sturdy metal container 21 inches long, 5 3/4 inches wide, and 5 1/4 inches high. 105-120 volt, 50 to 60 cycle, AC. Tubes required: One (CX326), one (CX359), and two (CX381) tubes.

S-M 679 Auditorium Amplifier, Factory Wired, Less Tubes

Your Price **61<sup>25</sup>**

Stock No. 372

## S-M 675 ABC Reservoir Power Units for 210 and 250 Tubes



Provides a super-power stage of amplification for any radio receiver without changing set wiring. An adapter (furnished with the wired unit) is merely inserted in the last tube socket and a 210 or 250 type tube plugged into this adapter. Uses one (CX381) tube, and furnishes 425, 135, 90, 22 and variable 22-90 B voltages for any receiver. In addition to this, C voltage and a power at 1.5 volts, 4 amperes, 2.25 volts, 4 amperes and 7.5 volts (or 210 or 250 type tube) are furnished for AC tube equipped sets. 105 to 120 volt, 50 to 60 cycle AC. Housed in a crackle finish steel case, 3 1/4" by 5 1/4" by 17", will fit in average radio cabinet.

675 ABC Factory Wired Power Unit, Less Tube

Your Price **37<sup>04</sup>**  
Stock No. 373

675 ABC Power Unit, Kit NDT WIRED, Less Tube

Your Price **32<sup>00</sup>**  
Stock No. 374

## New 669 Power Supply for 224 and 245 Type Tubes

ABC power supply for radio receivers using the new UX245 power, and UY224 screen-grid tubes in addition to UY237 and UX226 tubes. Using one UX280 tube, furnishes fixed B voltages of about 67, 180, and 300 volts at a maximum current drain of 100 M.A. C voltages and A power at 1.5 volts, 4 amperes, 2.25 volts, 6 amperes, and 2.25 volts at 9 amperes is furnished for 224, 237, and 245 type tubes. May also be used to excite the field winding of a 90-120 volt DC dynamic speaker. Recommended for supplying power to S-M 720AC screen-grid receiver. Used with practically all types of tuned radio frequency sets using the new tubes, in which case a slight external change of wiring may be necessary. Housed in an attractive crackle-finish case, size 13" by 3 1/2" by 5 1/4". For 105-120 volt, 50 to 60 cycle, AC.

669 Factory Wired ABC Power Supply, Less Tube

Your Price **27<sup>74</sup>**  
Stock No. 375

669 Kit, Not Wired, Less Tube

Your Price **22<sup>60</sup>**  
Stock No. 376

## S-M Midget Condenser



ing. Complete with bakelite knob.

Type 340  
.000003 to  
.000025 MF.  
Your Price

**89<sup>c</sup>**  
Stock No. 386

Type 342B.  
.000004 to  
.000075 MF.  
Your Price

**1<sup>03</sup>**  
Stock No. 387

## S-M 638 Stage Shield



A small, compact copper shield 4 1/2 in. long by 5 1/2 in. high and 2 1/2 in. wide, with pierced bottom and removable sides and top. Accommodates any kind of tube with any S-M plug-in coils, plus resistors and bypass condensers. An ideal shield for all RF stages. SHIELD ONLY.

Stock No. 388 Your Price **89<sup>c</sup>**

## 818 Hook-up Wire

The popular No. 20 tinned copper, fabric covered hook-up wire. Standard with S-M. Put up in 25-foot coils.

Your Price **30<sup>c</sup>**  
Stock No. 391

## 708—10 Lead Battery Cable

A ten-lead color coded battery cable with fabric covering and tinned ends. Used in all of the new S-M kits. Length overall, 5 feet. May be used with any receiver to conveniently make battery or power unit connections.

Your Price **1<sup>03</sup>**  
Stock No. 392

## 678 PD Phonograph or Radio 2 Stage Amplifier (Using 250 Power Tube)



A two-stage socket-powered audio amplifier using one '26, one '50, and one '51 tube. Operates from 105 to 120 volt, 50 to 60 cycle, AC. Operates a dynamic loud speaker from a radio detector tube, or from a magnetic phonograph record pickup. (Equivalent of special amplifiers, theatrical phonographs for coverage of 1,000 to 2,000 seat theaters.) Will supply field current to dynamic speaker having a 110 volt DC field coil; or it will operate two dynamic speakers, the second to have its own source of field excitation. Magnetic loud speakers may be operated upon the addition of an S-M 331 Uni-choke filter coil in place of the 110 volt DC dynamic speaker field, and a 227 output transformer. 17 inches long, 3 3/4 inches wide, and 5 1/4 inches high (3 1/2 inches high over tubes).

678 PD Amplifier Kit Not Wired, Less Tubes  
Your Price **38<sup>22</sup>**  
Stock No. 370

678 PD Amplifier Factory Wired, Less Tubes  
Your Price **46<sup>44</sup>**  
Stock No. 371

## S-M AC and DC Dynamic Speaker Units

Reproduction with rich, vibrant, crystal-clear, tone quality—places the new S-M Dynamic Speakers in a distinct class.

The snappy crispness of the large military band, the alluring rhythm of the dance orchestra, and the full piercing brilliance of the violin are all faithfully reproduced through this new S-M Dynamic Speaker.



## 850 (A.C.) DYNAMIC SPEAKER UNIT

Takes power from any 105-120 volt, 50 to 60 cycle AC light socket. Equipped with 229 universal output transformer. Requires one (CX380) full-wave rectifier tube for its operation. Overall dimensions: 6" high, 6 1/2" deep, 10" wide. Fits 3 1/2" baffle hole. Complete with mounting base.

Less Tube  
Your Price **34<sup>60</sup>**  
Stock No. 377

## 851 (D.C.) DYNAMIC SPEAKER UNIT

Requires field current from a 90 to 120 volt DC source, such as a B power unit, or through inclusion as a choke in a power supply rectifier circuit (as in S-M 678PD amplifier). Has universal output transformer and mounting brackets; net equipped with base or power supply. Size, about 9" high, 10" wide, and 6 1/2" deep. Fits 3 1/2" baffle hole.

Less Tube  
Your Price **28<sup>52</sup>**  
Stock No. 378

## S-M Illuminated Dial

Compact—being 2 inches from front or back to shaft center, and 1 1/2 inches wide overall, excluding lamp bracket and knob. Half circle or 180 degree rotation is arrested at either end by cushion rubber stops. Escutcheon is not included. Two models are available, 810L (bracket at left of dial), and 810R (bracket at right of dial). Equipped with walnut control knob, and lamp bracket, but no lamp or Escutcheon.

Your Price  
Type  
No. 379 810R Illuminated Drum Dial  
380 810L Illuminated Drum Dial

**2<sup>21</sup>**



## 807 Window Dial

A single drum dial window for a baffle dial. Antique brass finished, very attractive.

Your Price **30<sup>c</sup>**  
Stock No. 381

## Dial Bulb for 807

Stock No. 382 6 Volt  
383 2 1/2 Volt

Your Price **14<sup>c</sup>**

725 Panel: S-M 725 Panel is a handsome walnut finished and pierced panel of stiff steel: 9"x7"x1/4" for adapting the 722 and 735 receivers to standard consoles.

Your Price **74<sup>c</sup>**  
Stock No. 384

## 812 Escutcheon

812 Escutcheon: Used on the 722 receiver, this plate is furnished in antique brass—a beautiful piece of workmanship that will adorn any receiver.

Stock No. 385

## 512 Tube Socket

Same as 511 except five-prong for AC heater type tubes or for S-M 130 series plug-in coils.

**36<sup>c</sup>**  
Stock No. 390

## 511 Tube Socket

A four-prong genuine moulded bakelite socket for all standard UX tubes. Positive contact spring.

Your Price **30<sup>c</sup>**  
Stock No. 389



# SILVER-MARSHALL

## Coils, Chokes, Condensers and Transformers



### 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 MA continuous duty.

Your Price **4<sup>70</sup>**  
Stock No. 393

### 333 Dual Filter Choke

Consists of two chokes assembled together on one frame. Resistance 400 ohms per choke. Inductance per choke at current of 40 MA, 10.4 henries.

Your Price **3<sup>53</sup>**  
Stock No. 394

### 338U Filter Choke

A high inductance choke for low current filter circuits. Inductance, 40 henries at 20 MA. DC resistance 2400 ohms.

Your Price **2<sup>06</sup>**  
Stock No. 395

### 247 Filament Transformer

One 105-120 volt, 50 to 60 cycle primary; one 1 1/2 volt, 5 ampere secondary; one 2 1/2 volt, 3 1/2 ampere secondary and one 5 volt, 1 ampere secondary. Operates four or five 220 type tubes, two 227 type tubes and two or three 112 or 171 type tubes.



Stock No. 396 Your Price **2<sup>94</sup>**

### 248 Universal Output Choke

The electrical characteristics of this choke are the same as the 238 above, but it is mounted in a standard 240 open type of mounting bracket.

Your Price **4<sup>12</sup>**  
Stock No. 397

### Replacement Audio Transformers

#### 260U Audio

Equipped with upright type mounting bracket. Size, 2 1/2" high, 2" wide, and 1 1/2" thick.

Your Price **1<sup>33</sup>**  
Stock No. 398

#### 260S Audio

Equipped with side mounting bracket. Size, 2" high, 2 1/2" wide, and 1 1/2" thick.

Your Price **1<sup>33</sup>**  
Stock No. 399

### Long Wave Transformers

The famous S-M 210 and 211 transformers are enclosed in black bakelite case with knurled binding posts. They may be used with UX199, UX201A or UX222 screen-grid tubes, with which they are ideal.



#### Type 210

Iron core type supplied at any peak frequency between 50-60 KC (or between 60-70 KC for 199 tubes).

Your Price **3<sup>53</sup>**  
Stock No. 400

#### Type 211

Sharply tuned air-core type. Supplied in any peak frequency from 50 to 70 KC.

Your Price **3<sup>53</sup>**  
Stock No. 401

### 636 Tube Shield

Preventative of capacitive coupling. Has perforations essential to ventilation. Especially important for 224 and 227 tubes.

Your Price **30<sup>c</sup>**  
Stock No. 433

### 30X Selector Coupler

Provides absolutely the proper coupling in a hand-selector stage using .00035 condensers.

Stock No. 427

Your Price **35<sup>c</sup>**

### 314 Condenser .00014 MFD.

Your Price **2<sup>21</sup>**  
Stock No. 429

### 275 R.F. Choke

To keep RF currents from going astray. Polished moulded bakelite case. Impregnated winding. Inductance 2 1/2 Mh. For use up to 600 meters.

Your Price **53<sup>c</sup>**  
Stock No. 402



### 276 R.F. Choke

Same as 275 except for use above 600 meters. Inductance, 10 Mh.

Your Price **59<sup>c</sup>**  
Stock No. 403

### 277 R.F. Choke

Specially designed for use below 200 meters. Low distributed capacity.

Your Price **88<sup>c</sup>**  
Stock No. 404

### 278 Choke for Needle Scratch Filters

For use in a "needle scratch" filter circuit. Its inductance of 140 MH, when connected in series with a .0075 mfd. condenser and shunted across any standard magnetic phonograph record pickup, will cut out all frequencies above 4900 cycles.

Your Price **88<sup>c</sup>**  
Stock No. 405

### S-M Plug-In Coils All Wave Range

Ribbed moulded bakelite forms, spaced windings and low losses make S-M the most efficient coils known today. Made in five ranges for all wave bands from 30 to 3000 meters. Used with a .00035 mfd. condenser only. The ranges are as follows:

- A-type—190 to 550 meters
- B-type—70 to 300 meters
- C-type—30 to 75 meters
- D-type—500 to 1500 meters
- E-type—1100 to 3000 meters

Stock No.	Type	Your Price Each Coil
406	110 A, B and C Coils—contain two equal secondaries and a rotor winding.	\$1.47
407	110 D and E Coils—same as above.	2.94
408	111 A, B and C Coils—contain one secondary, one slot winding and one rotor winding.	1.47
409	111 D and E Coils—same windings as above.	2.94
410	113 Universal Coil Form.	1.03
411	515 Universal Coil Socket—Takes any of the above coils. Provided with six contacts and springs.	.59



### S-M 320-R Universal Condenser

A single .00035 Mfd. variable condenser with full floating removable shaft. Mounts on either side, bottom or either end for left or right hand drive. Double-spaced moulded SLP-SLW plates. Size, 2 1/2 by 4 1/8 by 4 in.



### 320-R Universal Condenser

Your Price **2<sup>35</sup>** Stock No. 428

### S-M "323" 3-Gang Condenser

Either side, end or bottom mounting. Rubbed die-cast frame. Each unit equipped with individual compensator and shielded capacity each unit .00035 mfd.



Stock No. 430

### 322 4-Gang Condenser

A die-cast .00035 variable condenser. Individual trimmers attached. Accurate, being synchronized within 1 mfd. at any point on the lower half and within 1% at any point on the upper half.

Your Price **7<sup>94</sup>**

Your Price **5<sup>88</sup>**

Stock No. 431

### 313 5-Gang Condenser

Illuminated dial built in. Two condenser sections on the right and three on the left of the dial. Ends are die-cast. Shielding about the condenser body and between each condenser section. Each rotor is grounded, thereby avoiding coupling effects and saving space. 1 5/8" long, 3/4" high, 4" deep. Capacity of each section, .00035 mfd.

Your Price

**9<sup>70</sup>**

Stock No. 432

### S-M Plug-In Midget Coils

New and highly efficient moulded bakelite coil forms which plug into any 5-prong tube socket. Winding space, 1 1/2 in. long by 1 1/2-in. diameter, with 1/8-in. slot at bottom.



Stock No.	Type	Description	Your Price
412	130-P	Coil Form—Unwound form, smooth	\$0.39
413	130-T	Coil Form—Unwound form, threaded with 98 1/2 threads.	.39
414	131-L	17.4 to 32.1 meters with .00014 mfd. condenser	.74
415	131-M	31 to 58 meters with .00014 mfd. condenser	.74
416	131-N	57 to 110 meters with .00014 mfd. condenser	.74
417	131-O	104 to 204 meters with .00014 mfd. condenser	.74
418	131-P	190 to 358 meters with .00014 mfd. condenser	.74
419	131-Q	344 to 647 meters with .00014 mfd. condenser	.88
420	132-A	Coil—190 to 550 meters with .00035 mfd. condenser.	.74
421	132-B	Coil (5-prong) used as RF Transformers in 1929 Laboratory Super	.74
422	132-C	Coil (5-prong) used as oscillator in 1929 Laboratory Super	.74

### 121 Shielded R.F. Coil

A moderate gain r.f. interstage transformer giving voltage amplification of 20 and 40 at 550 and 1500 KC respectively. Has exceptionally good selectivity factor.

Your Price **1<sup>52</sup>**  
Stock No. 423

### 122 Shielded R.F. Coil

A secondary only, this was designed to be used in impedance or band selector circuits (Used in S-M 722). Stock No. 424

Your Price **1<sup>18</sup>**

### 123 Shielded R.F. Coil

A high gain r.f. interstage transformer giving a voltage amplification of 40 to 65 at 550 and 1500 KC. This is the type used in S-M 722. 2 1/4" diameter and 2 1/4" long.

Your Price **1<sup>52</sup>**  
Stock No. 425

### 124 Shielded R.F. Coil

An antenna coupler coil with taps for long and short antenna. Used as first coil and antenna coupler in band-selector circuits of 712 and 722. 2 1/4" diameter and 2 1/4" long.

Your Price **1<sup>52</sup>**  
Stock No. 426

**SM**

# SILVER-MARSHALL

## Power Transformers, Standard Audio Transformers, Chokes

### 255 First Stage Audio

Used between detector and first audio stage, it provides a rise in amplification between 65 and 300 cycles and is then a perfectly flat characteristic to 8000 cycles. Effective ratio, 4.2 to 1.

Your Price **3<sup>53</sup>**  
Stock No. 445

### 256 Second Stage Audio

A companion to 255 for use in second stage to provide a similar curve. Effective ratio, 3.5 to 1. One 255 and one 256 will give fine reproduction.

Your Price **3<sup>53</sup>**



Stock No. 448

### 257 Push Pull Input Transformer

Its effective transformation ratio is 1.3 to 1. Frequency characteristic is flat from 45 to 8000 cycles when operated out of one standard amplifier tube and when feeding into two standard power tubes.

Your Price **4<sup>12</sup>**  
Stock No. 449

### 258 Push Pull Output Choke

Specifically designed to couple two UX171A or UX245 tubes in push-pull to any standard loud speakers. The core will not saturate at plate currents of the UX171A or of the new UX245 power tubes.

Your Price **2<sup>94</sup>**  
Stock No. 450

### 251 Tone Filter and Output Transformer

A combination variable ratio output transformer, choke and condenser tone filter, and tapped impedance. Recommended as a tone filter and is provided with taps exactly matching it to either 112 and 210 or 171, 245 and 250 type power tubes. Boosts low-note reproduction. May be used with 210, 245 or 250 type tubes when an external 1 mfd. 600 volt condenser is added.

Your Price **3<sup>53</sup>**

Stock No. 451

### SM 324 Power Transformer

A heavy, full-wave power-supply transformer for 105 to 120 volts, 50 to 60 cycles. Rated at 150 watts. Has two 750-volt, 150-milliamperes secondaries (center-tapped 1500-volt winding), and two separate 7.5-volt 2.5-ampere filament windings, for operation of 210, 250 and 281 type tubes. Wt., 16 lbs.

Your Price **14<sup>70</sup>**  
Stock No. 435



### 324 B. U. Power Transformer

324 B. U., same as 324, but unmounted, with one added 2.25-V., 1.75A., and 1.5-V., 2 ampere secondaries.

Your Price **14<sup>70</sup>**  
Stock No. 436

### 324-25 B. U. Power Transformer

324-25 B.U. same as 324 B.U. but for 25 cycles.

Your Price **18<sup>37</sup>**  
Stock No. 437

### 326 Reducing Transformer

An auto-transformer, for adapting to operate from 220, 230, 240 or 250-volt, 50 to 60 cycle alternating current, any radio or other electrical device designed to operate on 105 to 120 volt, 50 to 60 cycle alternating current.

Your Price **8<sup>82</sup>**  
Stock No. 438

### 327 Power Transformer

Has the following windings: two 250 volt secondaries; two 7 1/2 volt, 2 ampere secondaries for UX281 and 210 or 250 type tubes; one 1 1/2 volt, 4 ampere secondary for three or four UX226, one 2.25 volt, 3.5 ampere secondary for two 227 tubes. Primary winding is for 105 to 120-volts, 50 to 60 cycle AC.

Your Price **8<sup>82</sup>**  
Stock No. 439

### 328 S. U. Power Transformer

1100 v. 250 m. a. secondary (mid-tapped 550 v. a side), two 7.5 v. 2.5 a. secondaries, and one each 2.25 v. 175 a. and 1.5 v., 2 a. Rating, 150 watts.

Your Price **14<sup>70</sup>**  
Stock No. 440

### 328 25 B. U. Power Transformer

Same as 328 S. U. but for 25 cycles.

Your Price **18<sup>37</sup>**

Stock No. 441

### 339 U. Choke

An unmounted filter choke, has an inductance of 4 henries at 50 m. a. and a d. c. resistance of 108 ohms. May be used in a two section filter and for all circuits requiring a low inductance moderate current choke.

Your Price **2<sup>06</sup>**  
Stock No. 442

### 337 U. Power Transformer

SM 337U has a 115-volt primary tapped for 75 volts, and a 750 volt, mid-tapped, 100 m. a. secondary, also one 5-volt, 2 ampere; one 2.5-volt 9 ampere; and one 2.5-volt, 3.5 ampere secondaries. 75-volt tap permits operation with primary voltage regulator. Transformer will supply 100 m. a. at 400 volts into suitable filter circuit or enough for a receiver and speaker field. Weight, 9 lbs. 4 1/2 inches long.

Your Price **9<sup>80</sup>**  
Stock No. 443

**33725U Power Transformer**  
33725U is the same as SM 337U but for 25 cycles.  
Your Price **12<sup>25</sup>**  
Stock No. 444

### 270U Push Pull Input

With its extremely low 1 to 1 ratio, this transformer is ideal for working out of the first audio tube into power tubes. The curve is practically flat from 40 to 8000 cycles.

Your Price **2<sup>84</sup>**

Stock No. 461

### 255R Transformer

Similar to the S-M 255, S-M 255R has an extra primary tap for use with 2000 ohm phonograph pick-ups.

Your Price **4<sup>12</sup>**  
Stock No. 446

### 255P Transformer

Same as 255E but for phonograph pick-up use only.

Stock No. 447

Your Price **3<sup>53</sup>**

## SM Standard Transformers

### 220 Audio

An all stage transformer providing substantially straight line amplification from 30 to 5000 cycles. Ratio, 3 to 1. Sharp cut-off above 5000 cycles.

Your Price **4<sup>70</sup>**  
Stock No. 452

### 220M Input Transformer

Two primary and one secondary windings. One primary winding is of high impedance for use with radio or phonograph pick-up. The other is of low impedance, center-tapped for use with a single or double-button microphone or telephone line.

Your Price **8<sup>82</sup>**  
Stock No. 453

### 221 Output

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.

Your Price **4<sup>41</sup>**  
Stock No. 454

### 222 Output

Same as No. 221 except equipped with four tip jacks and 5-foot cord.

Stock No. 455

Your Price **4<sup>70</sup>**



### 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.

Your Price **5<sup>29</sup>**  
Stock No. 456

### 226 Second Stage Audio

For use with 225, above, 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. One 225 and one 226 will give very fine tone quality to your set.

Your Price **5<sup>29</sup>**  
Stock No. 457

### 227 Push-Pull Interstage Transformer

Ratio is 1.8 to 1 and its frequency characteristic flat from 20 to 10,000 cycles. This transformer, which is recommended for use in connection with 257 push-pull input transformer.

Your Price **4<sup>71</sup>**  
Stock No. 458

### 228 Universal Output Choke

Designed to couple two standard power output tubes in push-pull (such as 171A, 245 or 250 type) to any normal combination of one to eight or more standard loud speakers.

Your Price **4<sup>71</sup>**  
Stock No. 459

### 242 Microphone

For use with either single or double button microphones or as a line input transformer to power amplifiers. Two primaries and one secondary.

Your Price **4<sup>12</sup>**  
Stock No. 460

VALUE and QUALITY LEADERS SINCE 1921

# AERO SHORT WAVE Sets and Transmitters



Your Price

**122<sup>50</sup>**

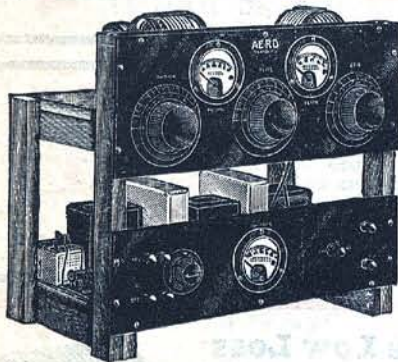
Stock No. 580

## AERO Screen Overseas Four

The world is at the ear of the owner of the Aero Screen Grid Four. Its range of 15 to 550 meters gives a complete range of reception. Uses new AC Screen grid tube. Extremely easy to operate. Built into a metal cabinet, golden brown finish. Comes complete with power pack but without tubes.

## Short Wave and Broadcast Band

You can receive stations at home and overseas with the powerful receiver. Remarkably sensitive and full volume both on short and long waves. Comes completely wired. For 50-60 cycle AC.



## AERO 57 Radiophone Transmitter

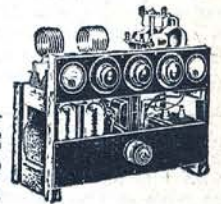
Your Price

**158<sup>00</sup>**

List Price \$215.00  
Stock No. 581

The Aero Radiophone and Code Transmitter No. 57 has an output of 15 to 30 watts. 100% modulation for speech. Employs one—10 type tube oscillator and two—10 type modulators. Two—27 type tubes are used as speech amplifiers. This transmitter is furnished complete with power supply and filter. Weston meters are used throughout. Solid walnut frame, engraved bakelite panels. Uses the reliable tuned plate tuned grid circuit. Operation can be had from 15 to 180 meters, on either code or voice. Supplied in kit form. Not wired.

## AERO No. 52 Transmitter



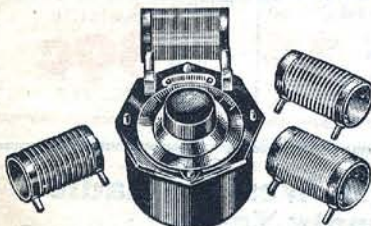
A 150 watt Code transmitter, using two UX-852 tubes. Power supply 250 m.a., 2,000 volts, direct current. Employs a UX-866 rectifier and a very efficient filter system. When used as an oscillator and code transmitter, the new high capacity Hartley circuit is used. This may also be used as a master oscillator power amplifier, using two UX-860 tubes, with the advantage of no neutralizing. As an amplifier it can be used in conjunction with any oscillator, and in addition may be used in conjunction with an Aero No. 57, making a master oscillator circuit for use with either speech or code. Kit form. Not wired.

Your Price

**253<sup>82</sup>**

Stock No. 582

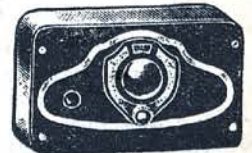
## AERO WAVE METER



Your Price **23<sup>52</sup>**  
Stock No. 583

Designed particularly for the transmitting amateur and experimenter. It is of rugged mechanical, and good electrical construction, and it meets the requirements of the properly conducted amateur radio station. It uses the principle of the "series gap" condenser. It covers amateur high frequency bands; 3,500 to 4,000 kilocycles; 7,000 to 7,300 kilocycles, and 14,000 to 14,400 kilocycles. Coils for the 28,000 to 30,000 and 56,000 to 60,000 are extra. Without indicator.

## AERO LISTENING MONITOR



The Aero Listening Monitor, a device primarily designed for the transmitting amateur. It is used to check the note of the transmitter, to determine the character of the transmitted wave with respect to note and stability. It is completely shielded in a black crackled metal case, 2 1/2 x 5 1/2 x 9 inches. Coils are furnished for use in the 20, 40 and 80 meter bands. Furnished complete with batteries, but less—99 type tube.

Your Price

**14<sup>70</sup>**

Stock No. 584

**WESTERN RADIO for RELIABLE PRODUCTS**

# AERO Transformers, Coils, Choke



## AERO Transformers



**AE-300**—Audio Frequency Transformer. Ratio 1 to 3. The amplification curve of which is practically a straight line from 30 to 8,000 cycles, entirely shielded.

List Price \$8.00  
Your Price **4<sup>70</sup>**  
Stock No. 585

**AE-400**—Audio Frequency Transformer. Ratio 1 to 3. Especially for use with AC tubes. It is only transformer designed for AC tube use, otherwise the same characteristics as the AE-300.

List Price \$9.00  
Your Price **5<sup>29</sup>**  
Stock No. 586

**AE-2408**—Input Push-Pull Transformer. Ratio 1 to 1. For use with any of the existing types of power amplifying tubes.

List Price \$8.00  
Your Price **4<sup>70</sup>**  
Stock No. 587

**AE-2922**—Input Push-Pull Transformer. Ratio 1 to 2. For use with any of the existing types of power amplifying tubes.

List Price \$12.00  
Your Price **7<sup>06</sup>**  
Stock No. 588

**AE-2973**—Interstage Push-Pull Transformer. Especially designed for two stages of push-pull amplification for use with any type power tube.

List Price \$12.00  
Your Price **7<sup>06</sup>**  
Stock No. 589



## AERO-CALL Short Wave Converter Wired

The Aero-Call Converters have met with wide-spread popularity. They incorporate the latest developments in short wave design, and in addition they have an anti-motor boating device which makes their operation satisfactory on AC sets, and sets employing battery substitutes. Range, 15 to 90 meters.

Stock No.	Model	List Price Each	Your Price Each
593	D, for DC }	\$25.00	<b>14<sup>70</sup></b>
594	A, for AC }		

## NEW AERO COILS for UX852, UX860, 250 Watt and 500 Watt Transmitter

Designed to be as closely as possible in accord with "1929 practice" as outlined in recent issues of Q. S. T. For the first time "plug-in" coils can be used for high power. Newly designed plugs will carry up to 75 amperes with safety. Heavy aluminum rod is used for the completely self-supporting coil. A new material with asbestos basing, superior in electrical characteristics to glass, without its fragility, is used for the spacing bar. Porcelain insulators assure the user against leakage, and electro-static shields and other points of design previously limited in use to variable condensers, have been incorporated in these coils.



Kit of Two Coils with Plug-In Mounts			Single Coils without Bases		
Stock	No. Type Meters	List Price Each	Stock	No. Type Meters	List Price Each
		\$15.00			\$7.50
595	12K 9.6 to 27	Your Price	598	12C 9.6 to 27	Your Price
596	24K 14.2 to 43	<b>8<sup>82</sup></b>	599	24C 14.2 to 43	<b>4<sup>41</sup></b>
597	48K 31.8 to 90.3		600	48C 31.8 to 90.3	

## AERO TUNED AUDIO CHOKE

Particularly for amateur receivers, where the utmost in selectivity is desired, when using the screened grid tube. Unless two amateur stations are almost exactly on the same frequency and with the same signal intensity, one can be separated from the other. The ideal arrangement for the radio amateur who demands that "split hair" selectivity in his receiver.

Your Price **6<sup>37</sup>**

Stock No. 590

## AERO Selective Low Loss Coils

The new bands are narrower. To cut Q.R.M. now, only the most selective receivers can be used.

In keeping with past performance, the adoption of the new bands finds Aero Products ready with new coil kits. The same low loss construction, with consequent selectivity even more important than ever before, is still adopted, but the new coils spread the new bands over the major portion of the dial. Designed especially for the new amateur bands, they are the most efficient coils which can be used. A new and better space-wound primary is also provided. The same base, with the isolated grid terminal, is employed.



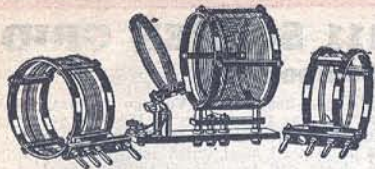
Amateur Special Kit LTW 13	Coil INT-Ao	Coil INT-A2	Plug-In Base
Covering new 20, 40 and 80 meter bands with .00003 condenser, *including plug-in base with new design of adjustable space-wound primary. These coils must be tuned with a .00003 Mfd. Condenser which is substituted with .00008 Mfd. Fixed Condenser. List Price \$12.50	Range 8.2 to 12.6 meters. List Price \$4.00	Range 40 to 45 meters. List Price \$4.00	With new space-wound primary. Type LWT 100-P. List Price \$3.00
Your Price <b>7<sup>35</sup></b>	Your Price <b>2<sup>35</sup></b>	Your Price <b>2<sup>35</sup></b>	Your Price <b>1<sup>77</sup></b>
Stock No. 591	Stock No. 592	Stock No. 602	Stock No. 604
	Coil INT-A1	Coil INT-A3	AE 942 Variable Condenser
	Range 19.5 to 21.5 meters. List Price \$4.00	Range 75 to 86 meters. List Price \$4.00	*Aero AC 942 Variable Condenser, .00003 each. List Price \$1.50
	Your Price <b>2<sup>35</sup></b>	Your Price <b>2<sup>35</sup></b>	Your Price <b>8<sup>9c</sup></b>
	Stock No. 591	Stock No. 601	Stock No. 605

## If AERO Makes It, Western Radio Can Supply You

If you need any Aero Products not listed here, simply send us your order. We can furnish you with all Aero Products promptly.

VALUE and QUALITY LEADERS SINCE 1921





# AERO Products

**LWT-125**  
Stock No. 606  
List Price \$12.50

## AERO LWT Interchangeable Short Wave Kits and Coils

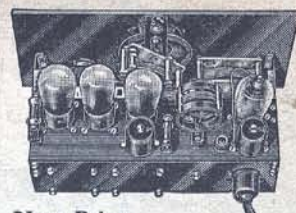
Your Price **7<sup>35</sup>**

Coils are three in. in diameter, ninety-five per cent air dielectric and completely interchangeable. Kit includes three coils and base mounting with variable primary, covering 15 to 130 meters when used with a .00014 tuning condenser and .00025 regeneration condenser. The range of the LWT-125 Kit can be considerably increased by adding coil No. INT-4 and INT-5.



Stock No.	Type	Range	List Price	Your Price
607	Int-0	13 to 29 meters.....	4.00	<b>2<sup>36</sup></b>
608	Int-4	125 to 250 meters.....		
609	Int-5	250 to 550 meters.....		
610	Int-1	15 to 33.5 meters.....		
611	Int-2	31½ to 63 meters.....		
612	Int-3	57 to 130 meters.....		
613	LWT Mounting Base with Primary.....		3.00	<b>1<sup>77</sup></b>

## Aero International All Wave Receiver 4 Tube



Aero Kit No. 8—Employing one stage of shield grid amplification designed exclusively for short wave broadcast reception. One tuning control. Non-radiating. Simple to operate. Complete kit includes foundation unit and all necessary parts ready to wire.

Your Price **32<sup>52</sup>**  
List Price \$55.30

Stock No. 632

## "AERO INTERNATIONAL" Short Wave Receiving Coils



The same general type of construction as the LWT-125, constructed of slightly heavier wire. Diameter two inches. This change improved the structure and rigidity of the coil, it constrained the field of the coil materially by increasing the ratio of length to diameter, minimized the pickup from powerful near-by stations and provides a favorable coefficient of coupling between the fielder and secondary for operation on the higher frequencies. Base dimensions are the same and coils may be substituted in the LWT-125 and three coils for use after a shield built in the same low-loss construction as the secondary.



**LWT-12**  
Contains a plug-in mounting base with variable space wound primary and three plug-in coils of the new type, for use in three circuit receivers. Range 16.5 to 89.5.

Your Price **7<sup>35</sup>**  
List Price \$12.50  
Stock No. 614

**LWT-11**  
Contains a plug-in mounting base without primary and three coils for use after a shield 16.5 to 89.5 meters.

Your Price **6<sup>76</sup>**  
List Price \$11.50  
Stock No. 615

## LWT-10

For use with Foundation Units containing plug-in mount, or for replacing LWT-125 Coils. Same three coils as in LWT-11 Kit.

Your Price **6<sup>18</sup>**  
List Price \$10.50  
Stock No. 633

## COILS

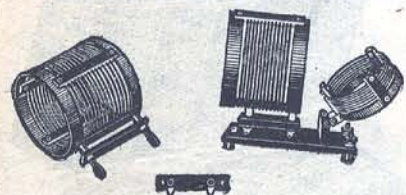
Stock No.	Type	Range, Meters	List Price	Your Price
634	Int-101	16.5 to 32	4.00	<b>2<sup>36</sup></b>
635	Int-102	26.2 to 48.7		
636	Int-103	46.7 to 89.5		
637	Int-104	87 to 105	3.00	<b>1<sup>77</sup></b>
638	Base with Space Wound Primary No. 100-P..			
639	Base without Primary No. 100-W.....		1.50	<b>88c</b>

## Three Circuit Tuner

Fixed tickler, this coil will improve any circuit and the efficiency of any regenerative set will be greatly increased by replacing the present coil with this Aero Universal Coil. Equipped with variable primary.

Type U-553	Stock No. 641	Your Price <b>2<sup>36</sup></b>
For .00035 Condensers	List Price \$4.00	
Type U-55	Stock No. 640	Your Price <b>2<sup>36</sup></b>
For .0005 Condensers	List Price \$4.00	

## Aero Short Wave Transmitting Kit and Coils



Have given exceptional results and proven themselves to be definitely the best low-powered transmitting coils on the market. Each kit includes all necessary parts for a tuned plate transmitter, including base with variable antenna coil, plate coil, base for grid coil, grid coil and two choke coils. The same base may be used for all coils.

Stock No.	Type	Range Meters	List Price	Your Price
616	2040-K	16½ to 52	12.00	<b>7<sup>06</sup></b>
617	4080-K	36 to 90		
618	9018-K	90 to 180		

## COILS

Stock No.	Type	Range, Meters	List Price	Your Price
619	2040-C	16.5 to 52.....	\$4.00	<b>2<sup>36</sup></b>
620	4080-C	36 to 90.....	4.00	<b>2<sup>36</sup></b>
621	9018-C	72 to 190.....	4.00	<b>2<sup>36</sup></b>
622	Grid Mounting Base, G. 100.....		1.00	<b>.59</b>
623	Antenna Mounting Base, P.R.I. 300.....		3.00	<b>1.77</b>

## 150 WATT TRANSMITTING KIT and COILS

A Coil of the same general appearance and specifications as the 30-watt size but wound with heavy silvered copper strip. Of sufficient size, to carry the necessary current for transmitters with an output of 150 watts. Bases are interchangeable with the 30-watt size.

Stock No.	Type	Range, Meters	List Price	Your Price
624	24-K	16.5 to 52	15.50	<b>8<sup>82</sup></b>
625	48-K	36 to 90		
626	98-K	72 to 190		

## COILS

Stock No.	Type	Range, Meters	List Price	Your Price
627	TEL-24-C	16.5 to 52	5.50	<b>3<sup>24</sup></b>
628	TEL-48-C	36 to 90		
629	TEL-98-C	72 to 190		

## Aero Noskip Choke Coils

Type C-60 For T. R. F. or Short Wave Circuits. List Price \$1.50 Your Price **88c**

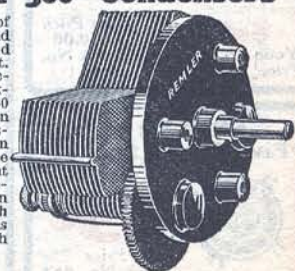
Type C-248 For long wave or transmitters. List Price \$1.50 Your Price **88c**



Stock No.	Mfd.	Type	List Price
672	.00035	638 S.L.W.	<b>3<sup>50</sup></b>
673	.0005	639 S.L.W.	

Your Price **3<sup>50</sup>** List Price \$5.00

of stations at all wave lengths. Special adjustment permits variation of capacity at zero dial setting. In Straight Line Wavelength type equal dial divisions represent equal wave length bands.



## Remler 360° Condensers

Both sets of plates rotate and are insulated from dial shaft. No body capacity. No backlash. The 360 degree rotation gives greater possible separation

## REMLER DRUM DIAL

Permits quiet, velvet smooth, vernier control of any type of condenser either single or in gangs. Spiral gear drive gives quiet operation. No backlash. Extra gear provided for right or left hand mounting. Socket and 6-volt lamp furnished for illumination. Easy to mount. No special shaped holes.



Your Price **3<sup>15</sup>** List Price \$4.50  
Stock No. 674

## REMLER Type 111 SCREEN GRID Receiver Components

The "111" uses 4-224 screen grid 2-227-224-1-280 and 1 Voltage regulator tube. The "111" is highly sensitive. Full advantage has been taken of the "24 AC shield-grid tube. It is a real mechanical and electrical job. The cases housing the receiver, the power amplifier and power supply are of pressed steel finish in brown crystalline enamel. All circuits thoroughly shielded. Each coil is enclosed in individual aluminum container. By-pass condensers, resistors and chokes used in the receiver unit, enclosed in single metal container mounted under plate carrying coils and tube sockets and from which extend colored leads for connection to various receiver components.

Five-gang condenser of entirely new, heavy-plate, counterbalanced construction. Accuracy of  $\frac{1}{4}$  of one per cent on a frequency basis. Remler "Twin-rotor" is retained in modified form. Entire condenser is enclosed in a metal container and is fully shielded from external units, each condenser section is itself entirely shielded. The tuning characteristic is a modified one. At the lower end of the scale it is SLF and gradually tapers off into SLW, in the neighborhood of 300 meters. It is then SLW from that point to maximum. This provides maximum dial separation of stations over the full broadcast band.

In power amplifier and plate supply unit, single container houses audio transformers, power transformer, filter chokes and filter condensers. Transformers are so oriented that fields oppose. Leads extend from container for connection to various other components mounted on amplifier chassis.

Single dial "111" of most original construction, illuminated from within mounts so that face is flush with the surface of panel. Full-vision type. Face of dial is  $2\frac{1}{2}$  in. in diameter.

Type "111" Receiver and Amplifier units are almost unbelievably compact. Receiver unit case is only 11 in. wide over the mounting flanges, 10 $\frac{1}{2}$  in. deep and 6 $\frac{1}{2}$  in. high over all dimensions of power amplifier and supply units; length 17 in. over the mounting flanges, depth 6 $\frac{1}{2}$  in., height 6 $\frac{1}{2}$  in. Small enough to be conveniently mounted in practically any standard radio or radio-phonograph combination cabinet. Connections are provided so that, by the installation of a jack, the amplifier unit can be used with any electric phonograph pick-up.

The power supply unit of the Type "111" Receiver not only supplies all necessary power for the receiver but also supplies field current for a dynamic speaker of the 90-110 volt DC concert type. It will not deliver adequate power to the field of the auditorium type of speaker but this speaker is usually sold with its own field supply. If a speaker with a separate power supply for the field is used, it is merely necessary to connect a 2000 ohm, 30 Watt fixed resistor in series with the leads which would otherwise be connected to the speaker field terminals.

### Type 111 Kit Less Tubes

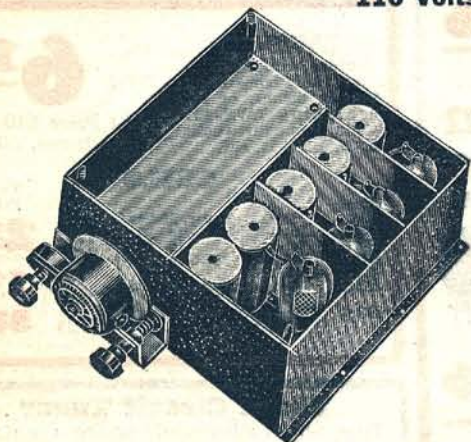
Your Price

**\$56<sup>00</sup>**

List Price \$80.00  
Stock No. 650



AC 50-60 Cycle  
110 Volts



### REMLER 565 Screen-Grid Tube Constant Gain R. F. Transformer

Your Price

**\$2<sup>10</sup>**

List Price \$3.00  
Stock No. 660

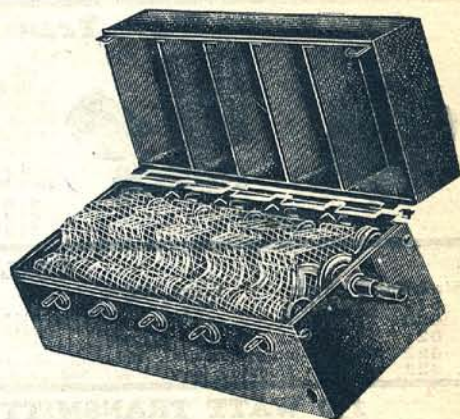


## REMLER TRANSFORMERS

Dimensions: No. 915—2 $\frac{1}{2}$ "x2 $\frac{1}{4}$ "x2 $\frac{1}{2}$ ".  
Others—3 $\frac{1}{8}$ "x2 $\frac{1}{2}$ "x1".



Stock No.	Type	Description	List Price	Your Price
655	915	Push-Pull Input Transformer, 1 $\frac{1}{2}$ to 1 ratio.....	6.00	<b>\$4.20</b>
656	916	Push-Pull Input Transformer, 3 to 1 ratio. For use in conjunction with No. 920 First-Stage Transformer.....	12.00	<b>8.40</b>
657	917	Push-Pull Intermediate Transformer, 3 to 1 ratio.....	12.00	<b>8.40</b>
658	924	Push-Pull Output choke for use following '45 or '50 tubes push-pull.....	8.00	<b>5.60</b>
659	927	Push-Pull Microphone Coupling Transformer.....	12.00	<b>8.40</b>



## REMLER Bath-Tub Type Condenser

No. 1632. Bath-Tub Type Two-in-Line. .00035 mfd. Condenser. Heavy-plate. Completely shielded.

Your Price

**\$8<sup>40</sup>**

List Price \$12.00  
Stock No. 651

No. 1633. Bath-Tub Type Three-in-Line. .00035 mfd. Condenser. Heavy-plate. Completely shielded.

Your Price

**\$10<sup>50</sup>**

List Price \$15.00  
Stock No. 652

No. 1634. Bath-Tub Type Four-Gang. .00035 mfd. Condenser. Heavy-plate. Completely shielded.

Your Price

**\$12<sup>60</sup>**

List Price \$18.00  
Stock No. 653

No. 1635. Bath-Tub Type Five-Gang. .00035 mfd. Condenser. Heavy-plate. Completely shielded.

List Price

**\$21.00**

Stock No. 654

Your Price

**\$14<sup>70</sup>**

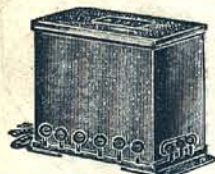
## REMLER Chokes, Condensers and Transformers

Stock No.	Type	Description	List Price	Your Price
663	36	Choke, 50 MH.....	1.50	<b>\$ 1.05</b>
664	37	Choke, 150 MH.....	2.00	<b>1.40</b>
665	38	Power Detector Filter Choke.....	2.00	<b>1.40</b>
666	659A	.0001 mfd. Heavy Plate SLW Condenser.....	5.00	<b>3.50</b>
667	926	Microphone Coupling Transformer for standard carbon-button microphone.....	6.00	<b>4.20</b>
668	955	Power Transformer. For '50-type tube.....	20.00	<b>14.00</b>
669	960	Filter Choke, 80 henries under no-load conditions. Mounted..	8.00	<b>5.60</b>

### REMLER 925 Push-Pull Output Transformer

Heavy-Duty Push-Pull Output Transformer with flat frequency characteristic over full frequency band. Secondary windings for both magnetic and dynamic speakers.

Your Price **\$14<sup>00</sup>** List Price \$20.00  
Stock No. 661



### REMLER 51 Five-Prong Socket

Your Price

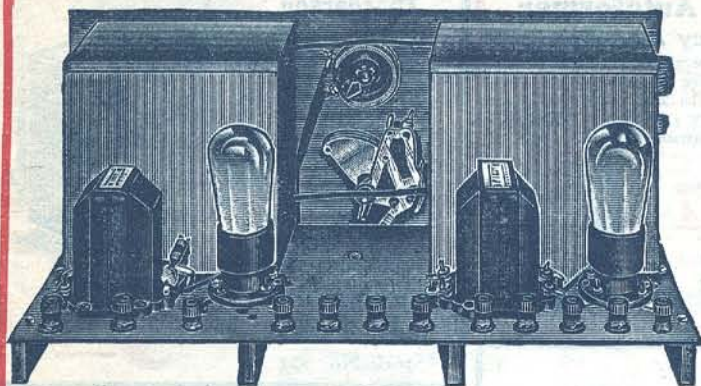
**53c**

List Price 75c  
Stock No. 662



**VALUE and QUALITY LEADERS SINCE 1921**

# PILOT SUPER WASP KIT



No A. C. hum pickup. Completely shielded R. F. and Detector stages. Low losses, ingenious design reduces all R. F. connections to 1½" or less. Illuminated Vernier Dials. Sectional cans simplify wiring. Easy to build according to blueprint.

## For Short Wave and Broadcast Band

THERE is no limit to reception for the owner of a Pilot Super Wasp. You are not limited to reception within the broadcast band only. The Short Wave Broadcast is just as easily and clearly tuned in. Perfect reception from 14 to 500 meters. Brings in international short wave broadcasts as clearly as regular programs. Distance is no barrier to the owner of the Pilot Super Wasp—it brings stations 10,000 miles away to you.

Your Price  
Including 3 sets of 5  
cents each, full size blue-  
print, and complete as-  
sembly data.

**29<sup>50</sup>**

List Price \$50.00

Stock No. 220

## SCREEN GRID

The Pilot Wasp is the only short wave receiver having a stage of tuned R. F. with Screen Grid Tube giving maximum sensitivity and selectivity. Smooth operation—consistent results, easy tuning. One builder of a Pilot Wasp writes—"On my first test I received clear loud programs from Chelmsford, England; Costa Rica, Central America; PCJ Eindhoven, Holland; Manitoba, Canada; and others."

## National 5-Tube Screen Grid Tuner

Your Price

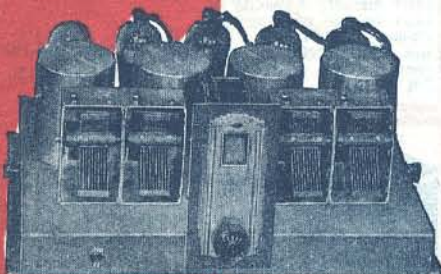
**40<sup>87</sup>**

List Price \$69.50

Stock No. 221

A recent National development by Glen H. Browning and James Millen secures such high and balanced R. F. Amplification that 54 stations have been logged in one evening on a six foot antenna. An ultra sensitive, sharply-selective distance getter. Employs 4 screen grid A. C. tubes. Completely shielded and frosted aluminum chassis. Especially suitable for mounting in a console or with electric phonograph combination.

MB-29 — National complete set of parts for 5 tube Screen Grid Tuner.



## National Velvetone Power Amplifier

Your Price

**57<sup>33</sup>**

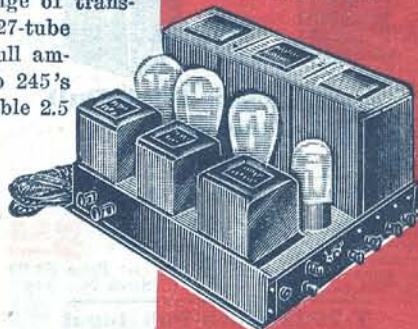
List Price \$97.50

Stock No. 222

This new National Power Amplifier has been developed and built to get the very most out of the new MB-29 Screen-Grid 5-tube tuner. It is a combination power supply and audio amplifier, using a 280-tube for a rectifier, one stage of transformer audio with a 227-tube and a stage of pushpull amplification with two 245's (the new and remarkable 2.5 volt power tubes).

Power Amplifier is sold completely wired and assembled and ready for use. Licensed under RCA patents.

Completely wired and equipped with phonograph jack (less tubes).



## HAMMARLUND "HiQ-30"—9-Tube World's Premier

Complete with Power Supply.

Your Price

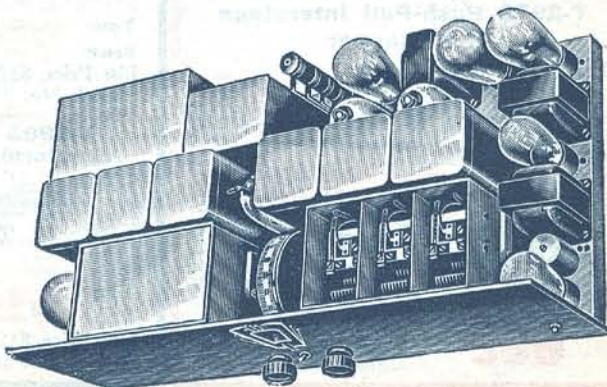
**95<sup>55</sup>**

List Price \$162.50

Stock No. 223

Strong steel chassis with no wiring visible from above. Band Filter and R. F. Amplifier are assembled, wired and tested at factory. Size chassis (7" x 24" x 11¾"). Walnut panel, walnut knobs, statuary bronze escutcheon, starting switch and phonograph switch makes panel arrangement beautiful and pleasing.

"The World's Premier Custom Built Radio," because of its performance, reproduction, appearance and quality. Embodies the good features of past and present engineering and many advanced discoveries that will not be fully commercialized for seasons to come. Two years of "shield-grid" experience accounts in part for Hammarlund leadership in the field of shield-grid custom built radios. Consists of a three stage tuned "band filter" or pre-selector followed by a three stage screen grid tuned radio frequency amplifier, a sensitive detector and a transformer coupled balanced push-pull power amplifier. There are nine tubes, including a voltage regulator tube, an '80 rectifier, three '24 R. F. amplifiers, a '27 detector, a '27 first audio and two '45's in push-pull. Highest quality parts. Band Filter and R. F. Amplifier are controlled by a single illuminated knob control vernier dial with kilocycle graduations.



**WESTERN RADIO for RELIABLE PRODUCTS**

# THORDARSON

Transformers, Chokes, Power Packs



### THORDARSON Amplifying Transformers

For use wherever the best of tone qualities is desired. Ideal coupling arrangement in A. C. Audio Amplifiers has R-300 between detector and first stage and R-400 between first and second stage. The R-400 makes an ideal input transformer for a 245 power tube. 2 1/2" x 2 1/2" x 3" high.

Type R-300  
Your Price **523**  
List Price \$8.00  
Stock No. 528

Type R-400  
For AC Tubes  
Your Price **588**  
List Price \$9.00  
Stock No. 529

### Thordarson Autoformer All Frequency Amplifier

Type R190 is an impedance amplifier with a step-up ratio for use with the existing types of high-mu tubes. Choke can be used with the 224 screen grid power detector, to grid side of any single power tube, using choke resistance coupling (standard circuit). 2 1/2" x 2 1/2" x 3" high.

Your Price **327**  
List Price 5.00  
Stock No. 530



### Thordarson R-260 Audio Transformer

An audio transformer of exceptional tonal fidelity that has been selected by many of the world's leading set manufacturers as standard equipment in their 1930 model receivers. Produces a greater fidelity of reproduction than has ever before been attained in an audio transformer of its physical dimensions. 2 1/2" x 2" x 2 1/2" high.



Your Price **327**  
List Price \$5.00  
Stock No. 531



### THORDARSON R-100 Replacement Audio

A quality replacement audio transformer designed for the service man in reconditioning radio receivers with obsolete or burned-out audio transformers. Possesses the same high quality of performance that characterizes all Thordarson Audio Transformers. 2 1/2" x 1 1/2" x 2" high.

Your Price **147**  
List Price \$2.25  
Stock No. 532



### Thordarson Speaker Coupling Transformers

**T-2876 Transformer**  
Protects speaker filament against high plate current of power tubes. For coupling single 171, 210 or 245 type power tube into horn or cone type high-impedance speaker. 2 1/2" x 2 1/2" x 3" high.

Your Price **392**  
List Price \$6.00  
Stock No. 537



**T-2629 Transformer**  
To couple output of a 210 or 245 push-pull stage into dynamic speaker. This transformer replaces transformer in the base of the speaker. Secondary connects directly to movable coil. 3 1/2" x 3" x 3 1/4" high.

Your Price **654**  
List Price \$10.00  
Stock No. 538



### Thordarson Push-Pull Input and Interstage Transformers

#### T-2408 Push-Pull Input Transformer

To couple a stage of straight audio amplification into a stage of power push-pull using any of the existing types of power amplifying tubes. Ratio 1 to 1. 2 1/2" x 2 1/2" x 3" high.

Your Price **523**  
List Price \$8.00  
Stock No. 533

#### T-2922 Push-Pull Input Transformer

serve the same purpose as type T-2408 but possessing a ratio of 2 to 1. Secondary consists of two individual matched coils with windings opposed. May be used following a screen grid power detector having parallel plate feed. For use with 210, 245 and 250 types of power tubes in the push-pull stage. 3 1/2" x 3" x 3 1/2" high.

Your Price **784**  
List Price \$12.00  
Stock No. 534

#### T-2973 Push-Pull Interstage Transformer

couple two stages of push-pull amplification. For use in power amplifiers for public address work to prevent tube distortion in the first stages of the audio amplifier. Ideal with type 245 or 250 power tubes in the output stage. 3 1/2" x 3" x 3 1/2" high.

Your Price **784**  
List Price \$12.00  
Stock No. 535

#### T-2420 Output Choke

Center-tapped choke unit to couple the output of 171, 210 or 245 types push-pull tubes directly into high impedance speaker. 2 1/2" x 2 1/2" x 3" high.

Your Price **523**  
List Price \$8.00  
Stock No. 539

#### R-196 Choke Coil

Used in filter circuits or as output chokes to keep DC out of speaker. Use with the new 245 or other power tubes. 75 millamp. Inductance, 30 henrys. DC resistance, 360 ohms.

Your Price **327**  
List Price \$5.00  
Stock No. 540

#### T-2901 Transformer

To couple output of single UX-245 or UX-250 power tube into high impedance speaker. Primary carefully matched to plate impedance of power tube. 3 1/2" x 3" x 3 1/2" high.

Your Price **784**  
List Price \$12.00  
Stock No. 541

#### T-2902 Transformer

For use with dynamic speakers. Replaces coupling transformer mounted in base of speaker. Secondary is matched and should be connected to movable coil of speaker.

Your Price **784**  
List Price \$12.00  
Stock No. 542

#### T-2903 Transformer

To couple the output of two 245 or 250 type power tubes into dynamic speaker. The secondary of transformer connects directly into movable coil of dynamic unit. 3 1/2" x 3" x 3 1/2" high.

Your Price **784**  
List Price \$12.00  
Stock No. 543

#### T-2880 Transformer

Similar to T-2903, designed to couple the output of a stage of push-pull 245 or 250 type power tubes into one or more high-impedance speakers. 3 1/2" x 3" x 3 1/2" high.

Your Price **784**  
List Price \$12.00  
Stock No. 544



### R-172 POWER INPUT PLUG

A special attachment for power amplifiers using a single power tube. Removes necessity of changing wiring of receiver to accommodate power amplification.

Your Price **66c**

List Price \$1.00  
Stock No. 536



### R-210 Compact

Power supply for plate supply units and power amplifiers using single 281 rectifier and single 210 power tube in output stage. Contains high voltage rectifier supply, filament supply of 7 1/2 volts, 1 1/2 ampere, center tapped, and two 30 henry chokes in one case. 65 MA. 3 1/2" x 5 1/2" x 6 1/2" high.

Your Price **1307**  
List Price \$20.00  
Stock No. 548

### Thordarson Power Compacts R-280 Compact

For use with the 280 type rectifier. Capacity of windings, 85 MA. High voltage winding, 300 volts (no load). Operates power amplifiers using a single 171 type power tube in output stage. 3 1/2" x 3 1/2" x 3" high.

Your Price **1111**  
List Price \$17.00  
Stock No. 546

### R-480 Compact

Same as R-280 except that high voltage winding is increased to 320 volts (no load) to accommodate power amplifiers using two 171 type power tubes in push-pull. Excellent compact for single 245 type power tube supplying plate current and grid bias. 3 1/2" x 5 1/2" x 3" high.

Your Price **1111**  
List Price \$17.00  
Stock No. 547

VALUE and QUALITY LEADERS SINCE 1921

# THORDARSON Transformers, Chokes, Reactors

## Thordarson Power Supply Transformers



Stock No. 500  
List Price \$20.00

**T-2098**  
Supplies A-B-C current to two 210 type power amplifying tubes and B-current to receiver. Used with two 281 type rectifier tubes. Primary: 110 volts, 50-60 cycles. Secondary No. 1: 550 volts each side of center tap. Capacity of winding: 130 M.A. Secondary No. 2: 7 1/2 volts, center tapped 2 1/2 amps. Secondary No. 3: 7 1/2 volts, center tapped 2 1/2 amps. 4 1/2" x 5 1/4" x 5 3/4" high.

Your Price **13<sup>07</sup>**

**T-2900**  
Supplies A-B-C current to a single 250 power tube and B-current to receiver. Used with two 281 tubes. Primary: 110 v., 50-60 cycles. Secondary No. 1: 575 v., each side of center tap. Windings: 130 M.A. Secondary No. 2: 7 1/2 v., center tapped, 2 1/2 amps. Secondary No. 3: 7 1/2 v., center tapped, 2 1/2 amps. 4 1/2" x 5 1/4" x 5 3/4" high.

List Price \$20.00  
Your Price **13<sup>07</sup>**  
Stock No. 501

**T-2950**  
Supplies A-B-C current to two 250 type power tubes and B-current to receiver. Used with two 281 type rectifier tubes. Primary: 110 volts, 50-60 cycles. Secondary No. 1: 610 volts, each side of center tap. Secondary No. 2: 7 1/2 volts, center tapped, 2 1/2 amps. Secondary No. 3: 7 1/2 volts, center tapped, 2 1/2 amps. 4 3/4" x 5 1/4" x 5 3/4" high.

List Price \$29.50  
Your Price **19<sup>28</sup>**  
Stock No. 502

## Thordarson Voltage Changer 220 to 110 volts T-2604



For changing line voltages of 220 volts to 110 volts. Enables 110 volt AC sets to be used on 220 v. current. Equipped with cord and plug. Primary, 220-230 volts, 50-60 cycles. Secondary, 110-115 volts.

Stock No. 503  
List Price \$10.00  
Your Price **6<sup>54</sup>**

## Thordarson Filament Supply Transformers

**T-3660**

A small filament supply transformer designed to heat up to six 224 screen grid tubes, or six 227 or similar type tubes. Primary: 110 volts, 50-60 cycles. Secondary: 2.5 volts, 10.5 amps. (Center tapped.) 3 1/2" x 3" x 3 3/4" high.

Your Price **5<sup>88</sup>**



List Price \$9.00  
Stock No. 505

**T-2445**  
Supplies the filaments of complete receivers using 226, 227 and 5 volt filament power tubes. Primary: 110 volts, 50-60 cycles. Secondary No. 1: 1.5 volts, supplies from one to six 226 type AC tubes. Secondary No. 2: 2.5 volts, supplies one or two 227 or 224 type AC tubes. Secondary No. 3: 5.0 volts, supplies two 5-volt power tubes. Receptacle provided for B-supply plug. 2 1/2" x 5 3/4" x 1 1/4" high.

Your Price **6<sup>54</sup>**



List Price \$10.00  
Stock No. 504

## Thordarson Double Choke Units

Designed primarily for use in the filter circuit of power supply devices employing transformers T-2098, T-2900, and T-2950, respectively. Each unit contains two 30 henry chokes.



**T-2099**—Capacity 130 M.A., DC Resistance each choke, 250 ohms. Weight, 9 lbs. 4 1/2" x 3 3/4" x 5 3/4" high.  
Your Price **9<sup>15</sup>**  
List Price \$14.00  
Stock No. 510

**T-3090**—Capacity 180 M.A., DC Resistance each choke, 190 ohms. Weight, 12 lbs. 4 1/2" x 3 3/4" x 6 1/2" high.  
Your Price **10<sup>40</sup>**  
List Price \$16.00  
Stock No. 511

**T-3100**—Capacity 200 M.A., DC Resistance each choke, 125 ohms. Weight, 13 lbs. 4 1/2" x 3 3/4" x 7" high.  
Your Price **11<sup>76</sup>**  
List Price \$18.00  
Stock No. 512

**T-3081**

Supplies first stages of power amplifier, and also small four tube receivers using two 224 or two 227 type tubes together with two 226 type tubes. Primary: 110 volts, 50-60 cycles. Secondary No. 1: 1.25 volts, 3 amperes. Secondary No. 2: 2.5 volts, 3 1/2 amperes. 2 1/2" x 3" x 3 3/4" high.

Your Price **3<sup>92</sup>**

List Price \$6.00  
Stock No. 506

**T-2610**

Filament supply for Arcturus or other similar 15 volt filament tubes. Will supply from 1 to 8 tubes. Primary: 110 volts, 50-60 cycles. Secondary: 15 volts, center-tapped, 2 1/2 amps. 3 1/2" x 5" x 3 3/4" high.

Your Price **4<sup>90</sup>**

List Price \$7.50  
Stock No. 507

## Filament Supply Transformers

**T-2383**

Primary: 110 volts, 50-60 cycles. Secondary: 12 volts, center tapped. Capacity: 175 V. A. 4 1/2" x 5" x 6" high.

List Price \$15.00  
Your Price **9<sup>80</sup>**  
Stock No. 508



**T-3680**

Supplies 800 tubes. Two UX-110 v., 50-60 cycles. Secondary: 2.5 v., 5 amps. (center-tapped). Insulation: 5000 v. to case. 3 1/2" x 3" x 3 3/4" high.

List Price \$12.00  
Your Price **7<sup>84</sup>**  
Stock No. 509



## Filter Reactors

**T-2376**—1.5 Henry Choke, 200 mhs., 1600 V. insulation. Filter choke in key circuits.

Your Price **3<sup>27</sup>**  
List Price \$5.00  
Stock No. 513

**T-2353**—A single open-frame choke, 6 henry, 150 M.A. DC Resistance, 100 ohms. 3000 volt insulation. 3" x 3 1/2" x 3 3/4" high.  
Your Price **4<sup>90</sup>**  
List Price \$7.50  
Stock No. 514

**T-2071**—A single open-frame choke, 30 henry, 150 M.A. DC Resistance, 200 ohms, 3000 volt insulation. 2 1/2" x 3 1/2" x 6" high.  
Your Price **10<sup>45</sup>**  
List Price \$16.00  
Stock No. 515

**T-2458**—Double Choke, open mounting. Each choke 18 henry, 250 M.A., DC, 2000 V. insulation. 108.5 ohms each choke. 3" x 7" x 5 1/2" high.  
Your Price **12<sup>74</sup>**  
List Price \$19.50  
Stock No. 516

**T-2027**—A single open-frame choke, 30 henry, 300 M.A., DC Resistance, 160 ohms, 3000 volt insulation. 5" x 3 1/2" x 8" high.  
Your Price **14<sup>38</sup>**  
List Price \$22.00  
Stock No. 517

**T-2073**—A single open-frame choke, 30 henry, 500 M.A., 3000 volt insulation. 4 1/2" x 5 1/2" x 9 1/2" high.  
Your Price **19<sup>60</sup>**  
List Price \$30.00  
Stock No. 518

## Transmission Transformers

**T-3474**

Designed to couple the output of a single 210 or single or push-pull 171 type tubes into a line of 600 ohms. 3 1/2" x 3 1/2" x 4 1/4" high.  
Stock No. 519

**T-3475**

Designed to couple the output of a 600 ohm line into any standard voltage amplifying tube. 3 1/2" x 3 1/2" x 4 1/4" high.  
Stock No. 520

**T-3476**

Line to line or mixing transformer. 3 1/2" x 3 1/2" x 4 1/4" high.  
Stock No. 521



Your Price

**16<sup>34</sup>**  
List Price \$25.00

## Thordarson Transmission Transformers

**T-3180**—Microphone Transformer for use with double button Western Electric, Kellogg or other similar microphones. Center tap at exact electrical centers. Primary Impedance: 200 ohms each side. Turns ratio: 27 to 1. Impedance ratio: 750 to 1. 3 3/4" x 3" high.

List Price \$20.00  
Your Price **13<sup>97</sup>**  
Stock No. 525

**T-3020**—Microphone Transformer built to meet the need for a less expensive unit than Type T-3180. The windings of this transformer closely approximate perfect balance. Designed for use with 2 button microphones. Primary Impedance: 200 ohms each side. Turns ratio: 45 to 1. Impedance ratio: 2000 to 1. 2 1/2" x 2 1/2" x 3" high.

Your Price **6<sup>54</sup>**  
List Price \$10.00  
Stock No. 526

**T-2357**—Microphone Transformer. A small, coupling transformer for single button microphones designed for amateur use in telephone transmitters. Primary Impedance: 200 ohms at 500 cycles. Turns ratio: 64 to 1. Impedance ratio: 4000 to 1. 2 1/4" x 2 3/4" x 2 1/2" high.

Your Price **3<sup>27</sup>**  
List Price \$5.00  
Stock No. 527



## Thordarson Transmission Plate Supply Transformers



**T-2387**—Center tapped with two high voltage taps. Primary: 110 volts, 50-60 cycles. Secondary: 1000 and 1500 volts each side of center tap. Capacity: 300 V. A. 7 1/2" x 5 3/4" x 7 1/2" high.

List Price \$22.00  
Your Price **14<sup>38</sup>**  
Stock No. 522

**T-2388**—Similar to T-2387 but with following specifications: Primary: 110 volts, 50-60 cycles. Secondary: 1500 and 2000 volts each side of center tap. Capacity: 500 V. A. 7 1/2" x 6 1/2" x 8 1/2" high.

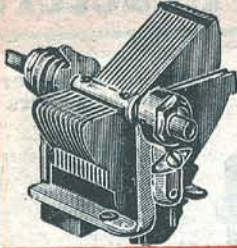
List Price \$30.00  
Your Price **19<sup>00</sup>**  
Stock No. 523

**T-2389**—Similar to T-2387 but with following specifications: Primary: 110 volts, 50-60 cycles. Secondary: 1500 and 2000 volts each side of center tap. Capacity: 1000 V. A. 7 1/2" x 7" x 9 1/2" high.

List Price \$40.00  
Your Price **26<sup>14</sup>**  
Stock No. 524

## HAMMARLUND (New Midline)

### Condensers



Stock No.	Type	Capacity Mfd.	List Price	Your Price
925	ML-23	.0005	\$5.50	\$3.51
925	ML-17	.00035	5.25	3.35
927	ML-11	.00025	5.00	3.19
928	ML-5	.0001	4.75	2.93
929	ML-7	.00014	4.75	2.93
Double				
930	MLD-47	.00035	8.75	5.58
931	MLD-23	.0005	9.25	5.89

### Hammarlund Battleship Multiple "Midline" Condensers



Stock No.	Type	Capacity Mfd.	List Price	YOUR PRICE
932	3-Gang BST	.00035	\$12.20	\$7.77
933	3-Gang BST	.0005	12.50	7.97

## SUPER AKRA-OHM WIRE WOUND GRID LEAK



A wire wound grid leak. Due to method of winding, the distributed capacity and inductance has been found to be practically negligible. Minimum distributed capacity. Tolerance of accuracy 1% plus or minus. Temperature coefficient .0001. Will dissipate 1 watt. Especially adaptable for use in replacing metallic resistors in resistance-coupled amplifiers. For plate circuit, use .1 meg. Recommended as laboratory standard resistances. High voltage regulators. Vacuum tube plater resistors. Vacuum tube grid resistors. Telephone equipment. Fading controls. Multipliers for voltmeters. Television amplifiers. Isolation resistances for vacuum tube circuits.

Stock No.	Ohms	List Price	Your Price
953	5,000	\$1.50	<b>1.18</b>
954	10,000		
955	20,000		
956	25,000		
957	35,000		
958	50,000		<b>1.57</b>
959	75,000		
960	100,000	List Price \$2.00	<b>1.96</b>
961	125,000	Your Price	
962	150,000	List Price \$2.50	<b>2.35</b>
963	200,000	Your Price	
964	250,000	List Price \$3.00	<b>3.96</b>
965	500,000	Your Price	
966	1,000,000	List Price \$5.00	<b>7.84</b>
967	2,000,000	Your Price	

## Camco Phones

An excellent headset of fine tone quality and volume. Receiver cases and caps highly polished. Fabric covered head band. Easily adjustable to comfortably fit the head. Complete with 5-foot cord.

List Price \$3.00  
Your Price

**1.29**

Stock No. 972



## YAXLEY ELECTRIC PICK-UP FADER

Used with Double Phonograph Pick-up to control volume of each phonograph record, fading out from one to the other without breaking circuits so that there are no clicks or irregularities in the sound reproduction. The Fader allows the operator to reduce volume from one record to zero and then in continuous motion increase in accurately graduated steps the volume from the other record. It is a Volume Control for each pick-up.

Built up with accurately made resistors in each step, which maintain the resistance values constantly and, for each increment of resistance, in precise accordance with the most desirable acoustic effect.

Type 325 — Fader, uncased, less Knob, for single hole mounting in 3/8" hole.....  
Your Price

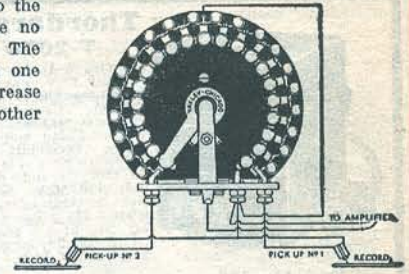
**1.144**

List Price \$17.50  
Stock No. 970

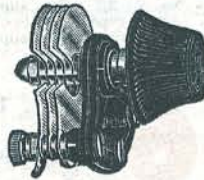
Type 325A — Fader, in metal case with Knob.....  
Your Price

**1.470**

List Price \$22.50  
Stock No. 971



## AMSCO MIDGET



### Single Hole Mounting Condensers

Stock No.	Type	Capacity	List Price	Your Price
944	Type 131	.00025	7 plates	<b>48c</b>
945	Type 132	.00005	13 plates	<b>59c</b>
946	Type 133	.0001	23 plates	<b>74c</b>

## Trimm Concert Cone Unit



for Replacement on Cone Speakers

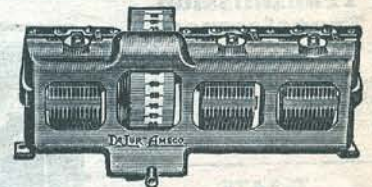
Your Price

**4.50**

List Price \$9.00  
Stock No. 973

## De-Jur Amsco Condensers

Single				
Stock No.	Type	Capacity	List Price	YOUR PRICE
934	1014-A	.00014	\$3.00	\$1.77
935	1025-A	.00025	3.00	1.77
936	1035-A	.00035	3.00	1.77
937	1050-A	.0005	3.50	2.06
2 Gang				
938	2033-B	.00035	5.50	3.24
939	2050-B	.0005	6.50	3.82
3 Gang				
940	3035-C	.00035	8.00	4.71
941	3050-C	.0005	9.50	5.59
4 Gang				
942	4035-D	.00035	10.00	5.88
943	4050-D	.0005	12.00	7.06



## Single and Gang Condensers WITH DIAL ASSEMBLY Double, Single & Dial

Stock No.	Type	Capacity	List Price	YOUR PRICE
947	1235-AB	.00035	\$12.00	\$7.06
948	1250-AB	.0005	13.50	7.94
10" x 4" x 5 1/4" high.				
Two Doubles & Dial				
949	2070-BB	.00035	\$14.50	\$8.53
950	2100-BB	.0005	16.50	9.70
12 1/2" x 4" x 5 1/4" high.				
Double, Triple & Dial				
951	2335-BC	.00035	\$16.50	\$9.70
952	2350-BC	.0005	19.00	11.17
15" x 4" x 5 1/4" high.				



### NATIONAL VELVET VERNIER DIALS "Type E"

An artistic dial to drive the condenser in a plane perpendicular to front panel. Improves the appearance of any set and assures accurate tuning.

Your Price **1.75**

List Price \$2.75  
Type VED 0-100-0  
Capacity VEC 200-0

Stock No. 560 ..... VED  
561 ..... VEC

### Type 2B Dial Illuminator

If above dials are wanted illuminated order Type 2B Illuminator.

Your Price **32c** Stock No. 562  
List Price \$0.50

### NATIONAL VELVET VERNIER DRUM DIAL "Type F"

Velvet smoothness. Automatic spring take-up assures a positive drive. Easily attached to any standard clockwise or counterclockwise condenser including those requiring 300 rotation. Type VF-0-200.



Your Price **2.55**  
List Price \$4.00  
Stock No. 563

### Type 2B Illuminator

If Illuminated Dial is wanted, order Stock No. 562 Type 2B Illuminator.

Your Price **32c**  
List Price \$0.50  
Stock No. 562

### NATIONAL VELVET VERNIER DIALS Type G & H



Scale projected on a ground-glass screen on dial opening by a brilliant illuminator. Dial reads same from any position. You do not see scale itself but you see its image thrown on screen. By this method, figures and scale divisions are considerably enlarged in size, making them easier to read. Six colors, equally divided over scale: red, green, yellow, purple, orange and blue. You quickly find what stations fall within the different color bands and tuning is simplified. Easy to mount. Complete directions and template included with each dial.

Type G—Disc Dial  
Employs disc mechanism and for use when the tuning condenser shaft comes through front panel.

Type H—Drum Dial  
Drum mechanism with its powerful non-conducting drive and spring take-up.

Your Price **2.39**  
List Price \$3.75  
Stock No. 564

Your Price **3.51**  
List Price \$5.50  
Stock No. 565

### KARAS MICROMETRIC DIALS



Hair-line precision. No friction gears to wear loose. Dial turns easily in either direction. No back-lash. Dial markings and numerals gold inlay. 4 1/2 inch diameter. Black bakelite. Ratio 63-1. Readings 0-100, 100-0 and 300-0. Specify type wanted.

Your Price **2.06**

List Price \$3.50 Stock No. 566

# DIALS

## KURZ-KASH VERNIER

### ARISTOCRAT DIALS



An exceptionally fine appearing dial. Made of genuine bakelite. Highly polished. Simple to mount. No back-lash. Reads 0-100-0 and can be used clockwise or counter clockwise. Specify color when ordering.

Stock No. 567 0-100-0 Black } List Price **1.18**  
568 0-100-0 Walnut }  
569 360° Black } \$2.00  
570 360° Walnut }

Stock No. 572 VBC (200-0) (360°) } Your Price **1.60**  
573 VBCC (0-200) (360°) }  
574 VBD (0-100-0) (180°) } List Price \$2.50

### Dial Illuminator and Bracket, Complete

Your Price **32c** Stock No. 575  
List Price \$0.50

## HAMMARLUND KNOB CONTROL DIAL



A richly embossed oxidized bronze escutcheon. Illuminated. SDB-1 (with black knob) including template, electric bulb, mounting screws, instructions.

Your Price

**2.36**

List Price \$4.00

Stock No. 571

## NATIONAL VELVET VERNIER DIALS Type "B" and "C"

Easily and quickly attached without special tools, fitted with beautiful permanent Bakelite cover, equipped with variable ratio of 6-1 to 20-1. Specified universally for radio sets the country over.



Both types are identical except that Type B is without light and Type C includes the illuminator.

# TRANSFORMERS



List Price \$5.00  
Stock No. 557

### KARAS HARMONIK

This fine audio transformer has proven its efficiency in countless circuits. Amplifies even extremely low tones with great volume, as well as the harmonics and over tones that combine to form musical sounds. Every tone is distinct and natural.

Your Price **2.94**

### JEFFERSON CONCERTONE

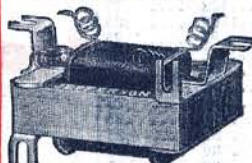
Amplifies notes of all frequencies equally, thus producing pure undistorted tones. Concertone has amplification curve that is practically straight from 30 to 10,000 cycles. This means that all musical notes are received exactly as broadcast.

List Price \$6.00  
Stock No. 555



Your Price **3.53**

### No. 370 REPLACEMENT AUDIO TRANSFORMER



List Price \$2.25  
Stock No. 556

Small and compact, so that it will fit under the sub-base and can be used in practically any set. Efficient, gives full amplification, and reproduces the tones purely. Has two brackets for mounting. 1 1/2 in. high, 2 3/4 in. wide, and 2 1/4 in. deep.

Your Price **1.35**

### MUTER AUDIO FREQUENCY TRANSFORMERS

Muter A. F. Transformers answer the demand for dependable quality at a popular price. Highest grade Silicon steel core. Vacuum impregnated coil thoroughly insulated and fully shielded. Black enamel and nickel finish.



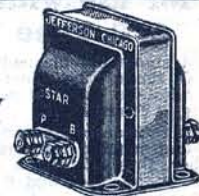
Type 1500  
3 1/2 to 1 Ratio  
Your Price **1.20**  
List Price \$2.00  
Stock No. 552

Type 1550  
5 to 1 Ratio  
Your Price **1.35**  
List Price \$2.25  
Stock No. 551

### JEFFERSON STAR AUDIO TRANSFORMER

Big volume. Pure tones. Sturdy construction. Efficient and reliable for any circuit.

Ratio 3-1  
Your Price **1.65**  
List Price \$2.75  
Stock No. 554



Ratio 6-1  
Your Price **1.80**  
List Price \$3.00  
Stock No. 553

### MUTER CLARIFIER AND TONE FILTER

Improves tone quality and volume, protects speaker. Most Speaker Units today are partially paralyzed because high voltage "B" current prevents proper response to the output of the set. Blocks this shattering current to the speaker. The result is improved quality and volume.

Your Price **3.00**  
List Price \$5.00  
Stock No. 550



Satisfaction

FIXED and VARIABLE

Guaranteed

# TRUVOLT

# Resistances

## TRUVOLT Correct Voltage Control for Power Supplies Variable Resistors



- 1—Entirely made of wire.
- 2—Permanently accurate.
- 3—Long life.
- 4—Permits potentiometer control.
- 5—Noiseless.
- 6—Positive metallic contact.
- 7—Nichrome wire.

8-30 exact variable taps of resistance each turn being 1/30 of the over-all resistance in ohms; that is, if a Truvolt of 5000 ohms or Truvolt T-50 were used in an eliminator circuit each turn would be exactly 1/30 of 5000 ohms or a difference of approximately 170 ohms per turn. This you must readily realize is an extremely fine graduation and adjustment of voltage.

### All Types 25 Watt Capacity

Stock No.	Resistance in Ohms	Current Milliamps.
T-.03	3	.2800
T-.01	10	.1500
T-.15	15	.1250
T-.25	25	.1000
T-.5	50	.700
T-1	100	.500
T-2	200	.353
T-3	300	.289
T-4	400	.250
T-5	500	.224
T-7.5	750	.182
T-10	1000	.158
T-12.5	1250	.141
T-15	1500	.129
T-20	2000	.112
T-25	2500	.100
T-30	3000	.91
T-35	3500	.84
T-40	4000	.79
T-50	5000	.71
T-75	7500	.58
T-100	10000	.50
T-150	15000	.41
T-200	20000	.35
T-250	25000	.32
T-300	30000	.29
T-400	40000	.25
T-500	50000	.22.5

LIST PRICE, \$2.50

YOUR PRICE, \$1.47



### Truvolt "B" Fixed Resistance 25 Watts 2" long

Stock No.	Resistance in Ohms	Current Milliamps.	List Price	YOUR PRICE
B-.01	1	.5000	\$.085	
B-.02	2	.3500	.085	
B-.025	2.5	.3150	.085	
B-.03	3	.2800	.085	
B-.05	5	.2225	.085	
B-.075	7.5	.1800	.085	
B-1	10	.1500	.085	
B-15	15	.1250	.085	
B-2	25	.1000	.085	
B-5	50	.700	.085	
B-75	75	.575	.085	
B-100	100	.500	.085	
B-2	200	.353	.085	
B-3	300	.289	.085	
B-4	400	.250	.085	
B-5	500	.224	.085	
B-7.5	750	.182	.085	
B-8	800	.177	.085	
B-10	1000	.158	.085	
B-12.5	1250	.141	.085	
B-15	1500	.129	.085	
B-20	2000	.112	.085	
B-22.5	2250	.105	.085	
B-25	2500	.100	.085	
B-30	3000	.91	.085	
B-35	3500	.84	.085	
B-40	4000	.79	.085	
B-45	4500	.73	.085	
B-50	5000	.71	.085	
B-60	6000	.64	.085	
B-70	7000	.60	.085	
B-75	7500	.59	.085	
B-72	7200	.58	.085	
B-80	8000	.56	.90	\$.58
B-90	9000	.53	.95	.61
B-100	10000	.50	1.00	
B-120	12000	.45	1.00	.64
B-150	15000	.41	1.00	
B-200	20000	.35	1.15	
B-250	25000	.32	1.15	.74
B-300	30000	.29	1.25	.80
B-400	40000	.25	1.30	.83
B-500	50000	.22.5	1.40	.90

\$.55

\$.58

.61

.64

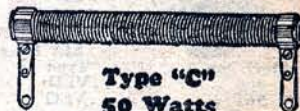
.74

.80

.83

.90

### 4 Inches Long



### Type "C" 50 Watts

Stock No.	Resistance in Ohms	Current Milliamps.	List Price	YOUR PRICE
C-2	200	.500	\$.135	
C-3	300	.406	.135	
C-4	400	.353	.135	
C-5	500	.316	.135	
C-7.5	750	.259	.135	
C-8.0	800	.252	.135	
C-10	1000	.224	.135	
C-12.5	1250	.200	.135	
C-15	1500	.182	.135	
C-20	2000	.158	.135	
C-22.5	2250	.149	.135	
C-25	2500	.141	.135	
C-30	3000	.129	.135	
C-35	3500	.119	.135	
C-40	4000	.112	.135	
C-45	4500	.105	.135	
C-50	5000	.100	.135	
C-60	6000	.91	1.50	
C-70	7000	.84	1.50	
C-72	7200	.83	1.50	
C-75	7500	.82	1.50	.96
C-80	8000	.79	1.50	
C-90	9000	.74	1.50	
C-100	10000	.71	1.65	
C-120	12000	.65	1.65	
C-150	15000	.58	1.65	\$1.05
C-200	20000	.50	1.80	\$1.15
C-250	25000	.45	1.85	1.18
C-300	30000	.41	1.90	1.21
C-400	40000	.35	1.95	1.24
C-500	50000	.32	2.00	1.27
C-600	60000	.29	2.10	1.33
C-800	80000	.25	2.25	1.43
C-1000	100000	.22.5	2.75	1.75

.87

.96

\$1.05

\$1.15

1.18

1.21

1.24

1.27

1.33

1.43

1.75

### Type "D" 75 Watts, 6" long

Stock No.	Resistance in Ohms	Current Milliamps.	List Price	YOUR PRICE
D-2	200	.610	\$.185	
D-3	300	.500	.185	
D-4	400	.432	.185	
D-5	500	.387	.185	
D-7.5	750	.316	.185	
D-8	800	.306	.185	
D-10	1000	.274	.185	
D-12.5	1250	.245	.185	
D-15	1500	.224	.185	
D-20	2000	.194	.185	
D-22.5	2250	.182	.185	
D-25	2500	.173	.185	
D-30	3000	.158	.185	
D-35	3500	.146	.185	
D-40	4000	.137	.185	
D-45	4500	.129	.185	
D-50	5000	.122	.185	
D-60	6000	.112	.190	\$1.21
D-70	7000	.103	.195	
D-72	7200	.102	.195	1.24
D-75	7500	.100	2.00	
D-80	8000	.97	2.00	1.27
D-90	9000	.91	2.10	1.33
D-100	10000	.87	2.25	
D-120	12000	.79	2.25	1.43
D-150	15000	.71	2.50	
D-200	20000	.61	2.50	1.60
D-250	25000	.55	2.65	
D-300	30000	.50	2.65	1.69
D-400	40000	.43	2.85	
D-500	50000	.39	2.75	1.75
D-600	60000	.35	2.80	1.78
D-800	80000	.31	2.90	1.86
D-1000	100000	.27	3.00	1.91

\$1.18

16c

26c

### TRUVOLT Type V Resistance for use with A. C. Tube



Used across the filaments of A. C. tubes. The center tap provides the electrical center for grid return leads.

These resistances are made by riveting matched resistors together, thus affording a center tap resistance that is extremely accurate.

Stock No.	Total Resistance	Maximum Working Voltage	LIST PRICE, 75c EACH	YOUR PRICE, 48c EACH
V-10	10 ohms	3.5		
V-20	20 ohms	5.5		
V-30	30 ohms	6.5		
V-50	50 ohms	8.5		
V-80	80 ohms	11.0		
V-100	100 ohms	12.0		
V-150	150 ohms	15.0		
V-200	200 ohms	17.0		

### Taps for Wire Fixed Resistance

List Price 10c  
Stock No. 1444  
Your Price

7c



### TRUVOLT Grid Resistance

Covered varnished cambric. Eliminates one wiring connection between a coil and a socket can be used to connect the coil and socket directly. No additional mounting is necessary. Small and compact and practically non-inductive. Very fine Nichrome wire wound on an asbestos covered enameled core.



# ELECTRAD

## Phasatrol

Eliminates any tendency to radio frequency oscillation or distortion. Suited to any circuit having RF amplification. One Phasatrol must be used for each stage of RF amplification. Your Price. List Price \$2.00 **1.18**



Stock No. 1446

## Truvolt Divider

Wire-wound resistance bank, five calibrated knobs for instant adjustment of B and C voltages from any eliminator. Simple adjustment of knobs from a chart gives voltages desired. Hand-some molded Bakelite case. Compact—aasily mounted. A great time saver in laboratory work.

Your Price

**5.88**

List Price

\$10.00



Stock No. 1445

## Electrad Tonatrol for AC Tubes



Variable resistors, of the famous Royalty type, especially designed with the requirements of volume and sensitivity control of different circuits. Provides smooth, efficient volume. Made in plain, battery switch types.

## For Oscillating Receivers

Stock No.	Type	Description	List Price	Your Price
1447	R	Radio Frequency Secondary.....	\$1.50	\$0.89
1448	RS	(with filament switch).....	2.00	1.18
1449	RP	(with power switch).....	2.50	1.47
1450	P	Radio Frequency Primary.....	1.50	.89
1451	PS	(with filament switch).....	2.00	1.18
1452	PP	(with power switch).....	2.50	1.47

## For Non-Oscillating Receivers

1453	S	Audio Frequency Secondary.....	1.50	.89
1454	WS	(with filament switch).....	2.00	1.18
1455	SP	(with power switch).....	2.50	1.47
1456	A	Antenna potentiometer.....	2.00	1.18
1457	AS	(with filament switch).....	2.50	1.47
1458	AP	(with power switch).....	3.00	1.77

## Electrad NEW Super Tonatrol

Will handle heavy currents and safely dissipate 5 watts. New in principle and performance. Special resistance element fused to the surface of a vitreous enameled steel plate. Metal cover. Moving contact of sterling silver. Remarkably smooth in operation. Practically immune to changes in temperature or humidity.



Stock No.	Types	Ohms	Description
1459	1	25,000	Potentiometer for antenna volume control
1460	2	10,000	Potentiometer for screen grid or plate voltage volume control
1461	3	50,000	Rheostat for R.F. grid bias control
1462	4	10,000	Rheostat for R.F. plate voltage shunt control
1463	5	100,000	Potentiometer for grid voltage control from secondary of audio transformer
1464	6	25,000	Potentiometer for volume control of output from one electrical phonograph pickup

Your Price

**1.41**

List Price \$2.40

## Electrad Royalty Variable



Stock No.	Type	Ohms
1466	B	0 to 100,000
1467	C	0 to 50,000
1468	F	0 to 2,000
1469	G	0 to 10,000
1470	H	0 to 25,000
1471	J	0 to 200,000
1472	K	0 to 5,000
1473	L	0 to 500,000

1474

E Compensator, 500,000 Potentiometer

Your Price

**89c**

List Price \$1.50

Your Price

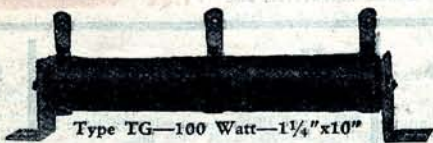
**1.18**

List Price \$2.00

Note these important exclusive features: Resistance element not impaired by any mechanical operation. Electrical contact made positive by metal arm on wire-wound strip. The same resistance is always obtained at the same point. Entire range of resistance is covered with less than a single turn of knob.

## Electrad Wire Wound Grid Leaks For Transmitters

The unique construction of these resistances allows for use of large diameter wire than is used in other types of enameled wire wound resistors. Contacts between wire and lugs are positive. Guaranteed not to develop noise or open circuits in use.



Type TG—100 Watt—1 1/4" x 10"

Stock No.	Type	Total Ohms	Section Ohms	Milliamps.	List Price	Your Price
1475	TG-50	5000	2500-2500	141	\$3.00	\$1.77
1476	TG-100	10000	5000-5000	100	3.50	2.06
1477	TG-200	20000	10000-10000	71	4.25	2.50
1478	TG-300	30000	15000-15000	58	5.00	2.94
1479	TG-500	50000	25000-25000	45	5.50	3.24

## Volume Control Clarostat

Compact, neat, convenient 0-500,000 ohm range in several turns of knob. Micrometric adjustment. One-hole mounting. Convenient screw terminals. Many applications in present-day sets.

Your Price **89c**  
List Price \$1.50



Stock No. 1480

## CLAROSTAT Universal Range

A variable resistor ranging from zero to 5,000,000 ohms. Covers all requirements in modern reception, amplification, transmission and battery eliminator, 20 watts. Used by many leading battery eliminator manufacturers.

Your Price **1.33**  
List Price \$2.25  
Stock No. 1481

## Power Clarostat

0-500,000,000 ohms resistance. Will carry 40 watts safely. Ample heat dissipation for operation over long periods.

Your Price **2.06**  
List Price \$3.50  
Stock No. 1482



An automatic filament control that eliminates hand rheostats. Can be used in any type circuit. Specify types wanted.

Your Price **65c**  
List Price \$1.10

Stock No.	Type	Ampers	Tubes
1483	1-A	3/4	201A Type
1484	4-V 189	.06	189 Type
1485	6-V 189	.06	189 Type on 3-V Battery
1486	A-120	.125	120 Type
1487	A-112	1/2	112 or 171 or two 201A
1488	D-11	..	WD11 or 12 Type
1489	3-A	3/4	For 3-201A Type
1490	4-A	1	For 4-201A Type
1491	5-A	1 1/4	For 5-201A Type
1492	622-A	..	For CX322 and UX222
1493	226	..	For CX226 Tubes
1494	227	..	For CX227 Tubes

Stock No.	Model	Range Mfd.	List Price	Your Price	X-L Vario-densifier
1495	N	1.8 to 20	\$1.00	\$0.59	For accurate adjustment. Genuine bakelite casing. Dust and moisture proof case.
1496	G-1	.0002 to .0001	1.50	.88	
1497	G-5	.0001 to .0005	1.50	.88	
1498	G-10	.0003 to .001	1.50	.88	



## Muter Variable Condensers

Are very useful in balancing or in critical grid circuits. Moulded bakelite shell and micrometer screw adjustment.

Type 1900  
Variable Balancing condenser, .00003 to .00005.  
Your Price **45c**  
List Price 75c  
Stock No. 1500

Type 1950  
Variable Grid condenser, .00015 to .0005 mfd.  
Your Price **60c**  
List Price \$1.00  
Stock No. 1501



## Durham Metallized Grid Leaks

Stock No.	Meg-ohms	List Price	Your Price
1515	1/10	\$0.75	\$0.45
1516	3/4		
1517	1/2		
1518	1/4		
1519	2		
1520	3		
1521	4		
1522	5		
1523	8		
1524	10		

Your Price **30c**  
List Price 50c

## Muter Grid Leaks

Accurate, permanent, noiseless. Cemented against moisture.

Stock No.	Meg-ohms	List Price	Your Price
1502	1		
1503	.25		
1504	.5		
1505	1		30c
1506	3		
1507	5		
1508	6		
1509	8		
1510	10		

Muter Grid Leak Your Price **15c**  
Mounting **14c**  
Stock No. 1511



## YAXLEY Air Cooled Rheostats

Smooth, quiet action. Close adjustment, filament voltages built up slowly and held at exactly the right point. Genuine bakelite base and knob, mounts in single 1/4-in. panel hole.

Stock No.	Type	Ohms	Your Price
700	102K	2	<b>89c</b>
701	103K	3	
702	106K	6	
703	110K	10	
704	115K	15	
705	120K	20	
706	125K	25	
707	130K	30	
708	140K	40	
709	160K	60	
710	199K	100	<b>List Price \$1.35</b>

### YAXLEY Potentiometers

The Air-Cooled Potentiometer has exactly the same construction as the Air-Cooled Rheostat.

Stock No.	Type	Ohms	List Price	Your Price
711	200	200	<b>\$1.15</b>	<b>1.15</b>
712	400	400		



### YAXLEY Inductance Switches

Extremely compact, measures only 1 1/4 in. in diameter, a dependable tap switch. Complete with dial plate and bakelite knob.

Stock No.	Type	Pts.	List Price	Your Price
713	44	4	\$0.75	\$0.49
714	70	7	.80	.52
715	90	9	.90	.59
716	150	15	1.00	.66



### YAXLEY Colored Phone Tip Jacks

New Phone Tip Jacks with colored caps, red for positive side of loud speaker, black for negative. Bakelite cap. Take standard phone tips. For bakelite or metal panels.

Your Price  
**17c**  
Per Pair

List Price 25c Per Pair  
Stock No. 717



### YAXLEY Cable Markers

Easily read markers, convenient to attach. Each box contains 16 markers.

Your Price **17c**

A - B AMP.  
A - B RF.  
B - DET. C.  
C - A-C  
C - 1/2 A B-  
C - ANT.  
C - PR. GRD

List Price 25c  
Stock No. 718

### YAXLEY Midget Battery Switch



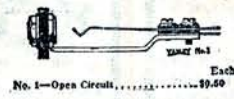
Small in size and thoroughly dependable. Quick make and break. Complete with name plate.

Your Price **33c**  
List Price 50c  
Stock No. 719

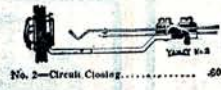
# YAXLEY RESISTANCES JACKS - PLUGS

## YAXLEY JACKS

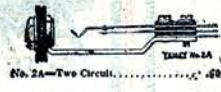
All bakelite insulation. Fit any standard plug. Springs are phosphor bronze with pure silver, self-cleaning contacts. 1/4-in. panel hole mounting, tinned terminals.



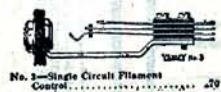
List Price 50c  
Your Price **33c**  
Stock No. 720



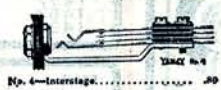
List Price 60c  
Your Price **40c**  
Stock No. 721



List Price 60c  
Your Price **40c**  
Stock No. 722



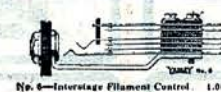
List Price 70c  
Your Price **47c**  
Stock No. 723



List Price 80c  
Your Price **52c**  
Stock No. 724

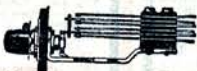


List Price 90c  
Your Price **59c**  
Stock No. 725



List Price \$1.00  
Your Price **66c**  
Stock No. 726

### YAXLEY Jack Switches



Single hole mounting. Insulated from frame. Quick make and break contacts. Brass frames, bakelite insulation.

Stock No.	Type	Description	List Price	Your Price
766	20	Single Pole, Single Throw	\$0.75	\$0.49
767	30	Single Pole, Double Throw	.90	.59
768	40	Double Pole, Single Throw	1.00	.66
769	45	Five Springs, Combining Nos. 20 and 40	1.15	.76
770	60	Double Pole, Double Throw	1.25	.83
771	63	Three Pole, Double Throw	1.60	1.05
772	64	Four Pole, Double Throw	2.00	1.32

## YAXLEY Junior Rheostats



Now, there is a Yaxley Junior Rheostat or Potentiometer to meet the requirements for a small rheostat or potentiometer. Diameter, 1 1/4 in.

Contact arm rides smoothly on the resistance strip. Fine adjustment. Mounts in single (1/4-in.) hole. With Bakelite Knob.

Stock No.	Type	Ohms	Your Price
732	501	1	<b>49c</b>
733	502	2	
734	503	3	
735	506	6	
736	510	10	
737	515	15	
738	520	20	
739	530	30	
740	575	75	
741	599	100	

### YAXLEY Junior Potentiometers

Stock No.	Type	Ohms	List Price	Your Price
742	506P	6	<b>\$1.00</b>	<b>66c</b>
743	510P	10		
745	520P	20		
746	530P	30		
747	575P	75	<b>List Price \$1.25</b>	<b>82c</b>
748	599P	100		
749	5300P	200	<b>List Price \$1.25</b>	<b>98c</b>
750	5400P	400		
751	51000P	1000	<b>List Price \$1.50</b>	<b>98c</b>
752	52000P	2000		
753	53000P	3000		
754	55000P	5000	<b>List Price \$1.50</b>	<b>Your Price 98c</b>

### YAXLEY Junior Jacks

When there is little space the Yaxley Junior Jack fits in nicely. Full weight springs, silver contacts. Extends 1 1/4 in. behind panel. Takes all standard plugs. Mounts in single 1/4 in. hole.



Stock No.	Type	Description	List Price	Your Price
755	701	Open Circuit	\$.40	\$0.27
756	702	Circuit Closing	.55	.37
757	702A	Two Circuit	.55	.37
758	703	Single Circuit Filament Control	.65	.43
759	703A	Circuit Reversing	.65	.43
760	703C	Double Circuit	.65	.43
761	704	Interstage	.75	.49
762	704A	Two Circuit Filament Control	.75	.49
763	705	Two Circuit Filament Lighting	.85	.56
764	706	Interstage Filament Control	.95	.62
765	707	Interstage Filament Lighting	1.05	.69

### YAXLEY Junior Jack Switches

Junior Jack Switches are exactly the same excepting size as the standard Yaxley Jack Switch.



Stock No.	Type	Description	List Price	Your Price
727	720	Battery Switch	\$.70	\$0.47
728	730	Two Circuit	.85	.57
729	740	Double Circuit	.95	.62
730	745	Five Spring	1.10	.72
731	760	Two Way, Two Circuit	1.20	.79



### Pup Plug

Designed for use with the Pup Jack to serve as a phone tip without soldering.

Your Price **7c**  
List Price 10c  
Stock No. 773



### Pup Jack

Mounts on front, sub or rear panels. For loud speaker connections and as binding post. Mounts in 1/4 inch hole.

Your Price **17c**  
List Price 25c Per Pair  
Stock No. 774



### Midget Plug

Serves the same purposes as the Pup Jacks and Plugs described only large in size. Mounts in 3/8 inch hole.

Your Price **10c**  
List Price 15c  
Stock No. 776

### Midget Jack

Serve the same purposes as the Pup Jacks and Plugs described only large in size. Mounts in 3/8 in. hole.

Your Price **20c**  
List Price 30c  
Stock No. 775

**VALUE and QUALITY LEADERS SINCE 1921**

## Yaxley Resistance Units



Resistances of the filament and grid type. Dependable wire wound construction, run true to rating. Convenient screw eye and soldering lug terminals for easy mounting and wiring.

Stock No.	Type	Ohms	Amps.
825	801	1	1.
826	802	2	1.
827	803	3	.75
828	804	4	.6
829	806	6	.5
830	808	8	.4
831	810	10	.4
832	815	15	.35
833	820	20	.3
834	825	25	.275
835	830	30	.275
836	850	50	.150
837	8100	100	.125
838	8200	200	.080
839	8300	300	.075
840	8400	400	.075

List Price 15c  
Your Price **10c**

25c  
Your Price **17c**

## Yaxley Filament Resistances

Same construction as resistance units described above.

Stock No.	Type	For Tubes
841	1L	1-201
842	2L	2-201
843	3L	3-201
844	4L	4-201
845	5L	5-201
846	6L	6-201

List Price 15c  
Your Price **10c**

## Tapped Resistances

Same construction as the 800 type Resistors. The letter "C" in the catalog number indicates tapped in the center.

Stock No.	Type	Ohms
819	806C	6
820	810C	10
821	815C	15
822	820C	20
823	830C	30
824	864C	64
818	8100C	100

List Price 30c  
Your Price **20c**  
40c  
Your Price **27c**

## Yaxley Grid Resistance Wire Wound

Wire wound for the grid line. Mount directly to socket.



Stock No.	Type	Ohms	MILLI amps.
806	7100	100	40
807	7200	200	40
808	7300	300	25
809	7400	400	25
810	7500	500	25
811	7600	600	25
812	7700	700	25
813	7800	800	25
814	71000	1000	25
815	71500	1500	25
816	72000	2000	25
817	73000	3000	25

List Price 25c  
Your Price **17c**  
35c  
Your Price **23c**

## Yaxley Phone Plug



Fit any standard Radio Jack. Perfect contact and bakelite insulation prevent current leakage.

Stock No.	Type	List Price	Your Price
805	75 Double	50c	<b>33c</b>

## Yaxley Extension Jack



For plugging in loud speaker or phone at distant points without moving set.

Your Price **49c**  
List Price 75c  
Stock No. 804

# YAXLEY Resistances, Outlets Panel Lights

## YAXLEY Cable Plug



Your chassis may be connected or disconnected quickly and conveniently from the power pack or batteries with the Yaxley Cable Plug.

Positive spring contacts. Bakelite construction. No loosening of the pins or springs in soldering. Easily soldered. You cannot put the Cable Connector together improperly. All terminals and also cable ends plainly marked.

Type 660	Type 669
Base mount 7 conductor cable 5 ft. long.	Same as 660 with two Phone Tip Jacks in plate, for Loud Speaker Connections.
List Price \$3.00	List Price \$3.25
Your Price <b>1.96</b>	Your Price <b>2.13</b>
Stock No. 799	Stock No. 800

## Binding Post Type Connector Plugs



Type 670	Type 627
Binding Post Type Plug. 7 Conductors. 5-foot cable.	Same as 670, with 12 conductors. 4-foot cable.
List Price \$3.50	List Price \$6.00
Your Price <b>2.29</b>	Your Price <b>3.92</b>
Stock No. 801	Stock No. 802

## Cable Connector Plug 12 Conductors

Type 612	Type 627
Same as 660, 12 conductors, 4 feet cable. Six conductors, two pairs being twisted for AC leads.	
List Price \$5.00	
Your Price <b>3.27</b>	
Stock No. 803	

## Panel Light and Bulb

Illuminates the dial and makes it possible to operate the set without light from lamps in room. Mounts in 1/2 in. panel hole.

Type 330
List Price 70c
Your Price <b>47c</b>
Stock No. 798



## Pilot Light Bracket and Bulb

For sets already equipped with a filament switch. Shows whether set is on or off. Ruby jewel for panel included.



Type 310
List Price 20c
Your Price <b>47c</b>
List Price 70c
Stock No. 797

Replacement Bulbs
List Price 20c
Your Price <b>14c</b>
Stock No. 796

## Loud Speaker Aerial and Ground and AC Connections

List Price \$3.00	
Your Price <b>1.96</b>	(Brass Only)
Stock No. 795	Type 353



## YAXLEY Wall Outlets

Enjoy radio reception in any room—upstairs or down, in the small home or large hotel, hospital or other building. Handsome wall plates in brass or brown bakelite; no unsightly wires along the base-board, no marring of woodwork. Yaxley Radio Convenience Outlets are used for convenience and utility. There is a Yaxley Radio Convenience Outlet for practically every radio requirement, in schools, public buildings, offices and factories. Screw terminals for easy soldering. Fits standard switch box. Gangs in any combination. LOTS of 10 or more PLATES, 40% off of LIST.



## Loud Speaker Outlet

Makes it practical to place radio receiving set in one room and enjoy reception in another part of building.

135 Brass	135B Bakelite
List Price \$1.00	List Price \$1.10
Your Price <b>66c</b>	Your Price <b>72c</b>
Stock No. 777	Stock No. 778

## Aerial and Ground Outlet

Aerial and ground wires are brought to this outlet behind the sash. They can then be plugged in with phone tips that are furnished with each plate.

136 Brass	136B Bakelite
List Price \$1.00	List Price \$1.10
Your Price <b>66c</b>	Your Price <b>72c</b>
Stock No. 779	Stock No. 780



## 7-Conductor for Battery Connections

This outlet is the same as the No. 132 excepting it is for battery connections and is provided with 7 conductors only.

137 Brass	137B Bakelite
List Price \$2.50	List Price \$2.60
Your Price <b>1.64</b>	Your Price <b>1.70</b>
Stock No. 781	Stock No. 782

## Combination Aerial, Ground and Battery Connections

239 Brass	239B Bakelite
List Price \$3.50	List Price \$3.70
Your Price <b>2.29</b>	Your Price <b>2.43</b>
Stock No. 783	Stock No. 784

## Loud Speaker Ground Aerial

238 Brass	238B Bakelite
List Price \$2.00	List Price \$2.20
Your Price <b>1.32</b>	Your Price <b>1.44</b>
Stock No. 785	Stock No. 786

## For Several Loud Speaker Connections

Equipped with an impedance coil wound to 2,200 ohms, which is equivalent to the resistance of the average loud speaker unit or head set.	134 Brass	134B Bakelite
	List Price \$2.50	List Price
	Your Price <b>1.64</b>	Your Price <b>1.70</b>
	Stock No. 787	Stock No. 788

## For AC Connections

This duplex receptacle with two AC Outlets matches the other standard Yaxley Outlets in appearance.	138 Brass	138B Bakelite
	List Price \$1.00	List Price \$1.10
	Your Price <b>66c</b>	Your Price <b>72c</b>
	Stock No. 789	Stock No. 790

## Aerial, Ground and AC Connections

241 Brass	241B Bakelite
List Price \$2.00	List Price \$2.20
Your Price <b>1.32</b>	Your Price <b>1.44</b>
Stock No. 791	Stock No. 792

## Loud Speaker and AC Connections

242 Brass	242B Bakelite
List Price \$2.00	List Price \$2.20
Your Price <b>1.32</b>	Your Price <b>1.44</b>
Stock No. 793	Stock No. 794

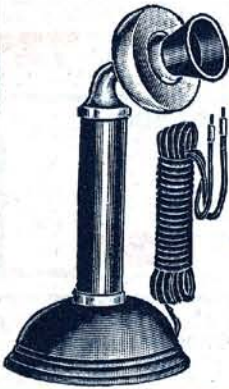
Reliable Merchandise

Prompt Shipment--

# FROST - Accessories

## FROST Microphones

Will reproduce faithfully voice and musical frequencies over the full range. Extremely sensitive.



**Hand Microphone**  
No. 155  
Your Price **353**  
List Price \$6.00  
Stock No. 850

**Desk Microphone**  
No. 159  
Your Price **515**  
List Price \$8.75  
Stock No. 851

**Pony Arm Type, Mounts on Panel or Wall**  
No. 157  
Your Price **265**  
List Price \$4.50  
Stock No. 852

## Frost Bakelite Rheostats



High resistance wire is wound in die cut threads on flexible bakelite which does not shrink. Air-cooled bakelite frame. German silver contact arm and spring gives heavy contact pressure but operates with perfect smoothness.

Stock No.	Type	Ohms
877	1802	2
878	1803	3
879	1806	6
880	1810	10
881	1815	15
882	1820	20
883	1825	25
884	1830	30
885	1850	50
886	1875	75

Your Price  
**59c**  
List Price \$1.00

## Frost Universal Volume Controls



Improved resistance element is the longest wearing and most accurate. Absolutely stable in operation. Not affected by humidity or temperature changes. Roller contact produces perfectly smooth variable adjustment of resistance. Polished bakelite case 2 in. by 3/4 in., having Frost "D" curve. Can be used as high resistance potentiometers by connecting three terminals or as a straight variable resistance by connecting the center and one outside terminal. "LD" curve-units for volume control in AC sets.

Stock No.	Type	Ohms	List Price	YOUR PRICE
887.	1896 "LD"	2,000	\$2.25	\$1.33
888.	1897 "LD"	5,000	2.25	1.33
889.	1898 "LD"	10,000	2.25	1.33
890.	1899 "D"	25,000	2.00	1.18
891.	1890 "D"	50,000	2.00	1.18
892.	1891 "D"	100,000	2.00	1.18
893.	1892 "D"	200,000	2.00	1.18
894.	1895 "D"	500,000	2.00	1.18

## Frost Gem Rheostats

"It's a good little rheostat." Rugged in construction and built for continuous long time service. Strong metal frame. Resistance element wound on die cut flexible bakelite. Occupies minimum space behind the panel. Easy to solder to. Single hole mounting. Bakelite knob.



Stock No.	Type	Ohms	Your Price
853	1903	3	<b>45c</b>
854	1906	6	
855	1910	10	
856	1915	15	
857	1920	20	
858	1925	25	
859	1930	30	

## Potentiometers

Stock No.	Type	Ohms	List Price	YOUR PRICE
860	1922	200	Your Price	<b>59c</b>
861	1924	400	Price	

## Gem Rheostats with Filament Switch

Switch has a wiping contact and positive "off" position. Does not interfere with the normal operation of the rheostat and has nothing to wear out or work loose.



Stock No.	Type	Ohms	Your Price
862	S-1903	3	<b>59c</b>
863	S-1906	6	
864	S-1910	10	
865	S-1915	15	
866	S-1920	20	
867	S-1925	25	
868	S-1930	30	

List Price \$1.00



**Gem Volume Control**  
Same as the larger Frost Variable High Resistance. Bakelite case is 1 1/2 in. by 3/4 in.

Stock No.	Type	Ohms	List Price	YOUR PRICE
869	2806 "LD"	2,000	\$2.50	\$1.47
870	2807 "LD"	5,000	2.50	1.47
871	2808 "LD"	10,000	2.50	1.47
872	2809 "L"	25,000	2.25	1.33
873	2810 "L"	50,000	2.25	1.33
874	2811 "L"	100,000	2.25	1.33
875	2812 "L"	200,000	2.25	1.33
876	2815 "L"	500,000	2.25	1.33

## HAMMARLUND

### R. F. Choke Coils

Used in the plate circuits of detector tubes, in the B plus and grid leads of radio frequency tubes and many other ways.

Stock No.	Type	List Price	YOUR PRICE
910.	RFC-85 MIL.	\$2.00	\$1.20
911.	RFC-250 MIL.	2.25	1.35

### Hammarlund Equalizer

Type E. C.



Your Price

**32c**

List Price 50c  
Stock No. 913

### Hammarlund Condenser Coupling



An insulated flexible coupling for ganging condensers for unit control. Type F. C.

Your Price **39c**

List Price 60c  
Stock No. 912



### Junior Midget

Soldered brass plates. Cone bearings. Clock spring pig tail. Single hole mounting.

Stock No.	Type	Capacity Mfd.	List Price	YOUR PRICE
914	MC-5	16	\$1.50	\$0.90
915	MC-9	32	1.50	.90
916	MC-11	50	1.75	1.05
917	MC-15	65	2.00	1.20
918	MC-23	100	2.25	1.35

## Frost Radio Plugs

Made of genuine moulded bakelite with the terminals of the panel and baseboard sockets spun-in. Terminals large size and well spaced. Cable is of best grade rubber covered wires covered with black cotton braid. Spring contacts have permanent tension.

**No. 780.** Cable Plug. Seven-wire, five-foot cable with black, red, yellow, blue, brown, and slate wire.  
Your Price **133**



List Price \$2.25  
Stock No. 895

**No. 781.** Baseboard type mounting socket.  
Your Price **45c**  
List Price 75c  
Stock No. 896



**No. 782.** Cable Plug socket for mounting so wiring is concealed beneath the sub-base.  
Your Price **45c**  
List Price 75c  
Stock No. 897



## FROST AC 609 SWITCH



Approved by the Underwriters Laboratories to carry 3 amperes at 250 volts AC (750 watts). Switch is completely housed in metallic case and is equipped with widely spaced tinned soldering lugs. Single hole mountings.

Your Price **45c** List Price 75c  
Stock No. 898

## Frost Volume Control with AC Switch



Switch operates when knob is turned. Nos. AC1897 and AC1898 are recommended for antenna control.

Stock No.	Type	Ohms	List Price	YOUR PRICE
899.	AC1897 "LD"	5,000	\$3.00	\$1.77
900.	AC1898 "LD"	10,000	3.00	1.77
901.	AC1899 "D"	25,000	2.75	1.62
902.	AC1892 "D"	200,000	2.75	1.62
903.	AC1895 "D"	500,000	2.75	1.62

## Frost Gem Hum Balancers



Smooths out the AC ripple in AC sets. 6 ohm unit used across the filaments of the CX-326 tubes to provide an absolute center point for the grid return. The 20-ohm unit provides an exact center point for the grid return of the CX-327 detector tube. Short slotted shaft for screw-driver operation. For mounting on sub-panel.

Stock No.	Type	Ohms	List Price	YOUR PRICE
904	1916	6	\$1.00	<b>59c</b>
905	1927	20	Your Price	

VALUE and QUALITY LEADERS SINCE 1921



### SANGAMO Moulded Bakelite Condensers

Maintains accuracy. Sealed to exclude moisture and acid fumes.

Stock No.	Capacity Mfd.	List Price	YOUR PRICE
1416	.0001	\$0.40	\$0.24
1417	.00015	.40	.24
1418	.00025	.40	.24
1419	.0005	.40	.24
1420	.001	.50	.30
1421	.002	.50	.30
1422	.0025	.50	.30
1423	.003	.60	.36
1424	.004	.60	.36
1425	.005	.70	.42
1426	.006	.85	.51
1427	.0075	.95	.57
1428	.01	1.15	.69
1429	.0025*	.50	.30
1430	.0005*	.50	.30

\*With Grid Leak Mtg.

## POTTER Condensers and B Blocks

THERE is a Potter Filter Condenser arranged to permit the building of any type of "B" Eliminator or Power Amplifier.

Each unit is carefully assembled and permanently sealed in a metal container, to exclude moisture and provide protection from mechanical injury. Voltage ratings are extremely conservative with all capacities uniform.



### POTTER By-Pass Condensers

Stock No.	Type	Capacity	List Price	YOUR PRICE
1360	A-1	.1 mfd.	\$0.60	\$0.36
1361	A-2	.25 mfd.	.70	.42
1362	A-3	.5 mfd.	.75	.45
1363	A-4	1. mfd.	.90	.54
1364	A-5	2. mfd.	1.50	.89



### POTTER B Blocks

Terminals are brought out so that wiring is made easy. Each block is thoroughly tested and the rated voltages are guaranteed.

#### T-2900

For use with Thordarson power pack supplying a single UX250 tube. Tapped at 2-2-2-4-1-1. Matched to size of Thordarson unit.

Your Price	<b>11<sup>76</sup></b>
List Price	\$20.00
Stock No.	1365

#### T-2950

For use with Thordarson power pack supply push-pull UX250 tubes. Tapped at 2-2-4-1-1. Matched to size of Thordarson unit.

Your Price	<b>13<sup>23</sup></b>
List Price	\$22.50
Stock No.	1366

#### RR-245

Used with Thordarson R-245 Compact or equivalent arranged for either single or push-pull operated power amplifier using type 245 power tube and type 280 rectifier tube. 9 Taps, C-2-2-2-1-1-1-4.

Your Price	<b>11<sup>61</sup></b>
List Price	\$19.75
Stock No.	1367

#### R-210

For use in Thordarson 210 power pack. Tapped at 2-2-2-4-1-2 mfd.

Your Price	<b>9<sup>12</sup></b>
List Price	\$15.50
Stock No.	1368

#### R-171

For use with Thordarson R-171 Compact. Tapped at 2-2-8-1-1/2 mfd.

Your Price	<b>7<sup>50</sup></b>
List Price	\$12.75
Stock No.	1369

### Sprague Midget Condensers



Half the usual size. Tested to 1500 volts. Minimum breakdown voltage of 3000 volts AC. Easier to wire. Time-saving, pre-soldered lugs of new type allow surer, quicker, and easier connection. Condensers save more than their cost in the saving of screws, nuts, bolts, drilling and wire, too.

Stock No.	Mfd.	List Price	YOUR PRICE
1431	.00007	\$0.35	\$0.21
1432	.0001	.35	.21
1433	.00025	.35	.21
1434	.0005	.35	.21
1435	.001	.40	.24
1436	.002	.40	.24
1437	.0025	.40	.24
1438	.005	.45	.27
1439	.006	.45	.27
1440	.01	.55	.33
1441	.02	.75	.45
1442	.1	1.00	.59
1443	.25	1.10	.65



### POTTER 400, 600, 1000, 1500, 2000 Line Filter and Transmitting Condensers

Stock No.	Code	Cap., Mfd.	Working Voltage DC	Size	List Price	YOUR PRICE
1370	304	.1	400	3/4" x 2" x 4 3/8"	\$1.50	\$0.88
1371	305	.2	400	1" x 2" x 4 3/8"	3.00	1.77
1372	306	.3	400	1 1/2" x 2" x 4 3/8"	4.50	2.65
1373	307	.4	400	1 7/8" x 2" x 4 3/8"	6.00	3.53
1374	308	.5	600	2" x 2" x 4 3/8"	1.50	.88
1375	404	.1	600	1 1/2" x 1 1/2" x 4 3/8"	2.00	1.18
1376	405	.2	600	1 3/4" x 3" x 4 3/8"	3.50	2.06
1377	406	.3	600	2" x 2 7/8" x 4 3/8"	5.50	3.24
1378	407	.4	600	2 1/4" x 3 3/8" x 4 3/8"	6.50	3.82
1379	501	.1	1000	3" x 2" x 4 3/8"	1.25	.74
1380	502	.25	1000	3 1/2" x 2 1/2" x 4 3/8"	1.50	.88
1381	503	.5	1000	1 3/4" x 1 1/2" x 4 3/8"	1.75	1.03
1382	504	.1	1000	1 3/4" x 1 3/8" x 4 3/8"	2.50	1.47
1383	505	.2	1000	1 3/4" x 3" x 4 3/8"	5.00	2.94

#### Transmitting or Filter Condensers

1384	703	.5	1500	2 1/4" x 1 3/8" x 4 3/8"	2.75	1.62
1385	704	.1	1500	3 1/4" x 1 3/8" x 4 3/8"	3.50	2.06
1386	705	.2	1500	3 1/2" x 3 3/8" x 4 3/8"	6.50	3.82
1387	707	.4	1500	3 3/4" x 7" x 4 3/8"	12.50	7.35
1388	803	.5	2000	1 3/4" x 3 1/2" x 4 3/8"	4.50	2.65
1389	804	.1	2000	3 1/4" x 3 1/2" x 4 3/8"	8.25	4.85
1390	805	.2	2000	5" x 3 1/2" x 4 3/8"	15.50	9.12
1391	807	.4	2000	5" x 7" x 4 3/8"	30.50	17.94

### POTTER Condenser Replacement Blocks

These Condenser Blocks provide replacements for eliminator and will replace old condenser block with no change in wiring.

Stock No.	Code	Eliminator	List Price	YOUR PRICE
1392	4341	Majestic Standard "B"	\$10.00	\$5.88
1393	4343	Majestic Special Master	11.00	6.47
1394	4347	Majestic Super "B"	12.00	7.08
1395	4359	Majestic Master "B"	11.50	6.76



### ACME Parvolyt By-Pass Condensers 200 Series

Where DC working voltage does not exceed 200 volts.

Stock No.	Mfd.	List Price	YOUR PRICE
1400	0.1	\$0.85	\$0.57
1401	0.25	.85	.57
1402	0.5	1.00	.59
1403	1.0	1.25	.74
1404	2.0	2.25	1.33
1405	4.0	4.00	2.36

#### 400 Series

Where DC working voltage does not exceed 400 volts.

Stock No.	Mfd.	List Price	YOUR PRICE
1406	1/2	\$2.00	\$1.18
1407	1	2.50	1.47
1408	2	3.50	2.06
1409	4	6.00	3.53

600 Series Where DC working voltage does not exceed 600 volts.

Stock No.	Mfd.	List Price	YOUR PRICE
1410	1	\$2.00	\$1.18
1411	2	5.50	3.24
1412	4	8.00	4.71

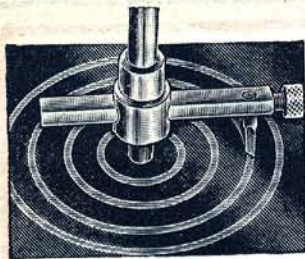
#### 1000 Series

Where DC working voltage does not exceed 1000 volts.

Stock No.	Mfd.	List Price	YOUR PRICE
1413	1	\$ 5.00	\$2.94
1414	2	7.00	4.12
1415	4	12.00	7.06

### POTTER Buffer Condensers

Stock No.	Code	Tapped Cap.	Used With	List Price	YOUR PRICE
1396	485	C.1.1.1	R-171	11.00	\$1.75
1397	585	C.1.1.1	SR-210-SR-210A	2.00	1.18



Your Price

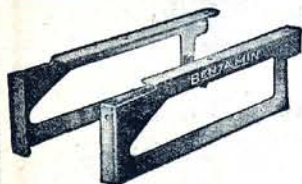
**1.25**

Stock No. 1044

**ADJUSTABLE CIRCLE CUTTER**

For drilling holes in panels. 1/2 in. to 4 in. in diameter. Cutting edge made of best tool steel. Can be used in any hand brace, breast drill or power machine. Drills smooth holes.

**BENJAMIN BRACKETS**



For fastening panels to baseboard. Increases the rigidity of entire set. Two brackets to a set.

Your Price  
Per Pair

**42c**

List Price 70c  
Stock No. 1045

**Shielded Grid Tube Shield**

Your Price



**47c**

List Price 75c  
Stock No. 1046

A tube shield that actually shields! Completely covers the tube down to the sub-panel. Fits snugly around sockets that have bases extending above sub-panel readily adaptable to sub-panel style sockets. Fits over all 324 type Shielded Grid Tubes. Has outlet hole at top for the shielded wire connector.

**CELERON TUBING**



Easy to drill and thread. Will not warp, chip or crack. Standard length. 2 1/2 ft. Can be supplied in lengths of 6 in. or longer.

Stock No.	Inside Diameter	Your Price Per Ft.
1008	1 in.	<b>\$0.65</b>
1009	2 1/4 in.	<b>.89</b>
1010	2 3/4 in.	<b>.95</b>
1011	3 in.	<b>1.05</b>

**HARD RUBBER PANELS**



Easy to drill or saw. Black on both sides, walnut on one side and black frieze on other. We do not cut special rubber panels.

Stock No.	Size	Black Your Price
1012	7x12x3/8	<b>\$0.60</b>
1013	7x14x3/8	<b>.79</b>
1014	7x18x3/8	<b>.95</b>
1015	7x21x3/8	<b>1.12</b>
1016	7x24x3/8	<b>1.29</b>
1017	7x26x3/8	<b>1.40</b>
1018	7x28x3/8	<b>1.59</b>
1019	7x30x3/8	<b>1.69</b>

Stock No.	Size	Walnut and Black Frieze Your Price
1020	7x12x3/8	<b>\$0.74</b>
1021	7x14x3/8	<b>.89</b>
1022	7x18x3/8	<b>1.15</b>
1023	7x21x3/8	<b>1.48</b>
1024	7x24x3/8	<b>1.69</b>
1025	7x26x3/8	<b>1.85</b>
1026	7x28x3/8	<b>1.90</b>
1027	7x30x3/8	<b>2.05</b>

**FORMICA PANELS**

**Formica Only**

Note: 3/8 in. Panels cut to special size. 2 cents per square inch. 1/2 in. panel cut to size. 1 1/2 cents per square inch. Specify color wanted.

Will not warp or chip. Standard equipment for U. S. Army, Navy and Signal Corps. Approved by Bureau of Standards. Made in black and walnut finishes.

Stock No.	Size	List Price	Black Your Price	Stock No.	Size	List Price	Walnut Your Price
1028	7x12x3/8	\$1.31	<b>\$0.87</b>	1036	7x12x3/8	\$1.31	<b>\$0.93</b>
1029	7x14x3/8	1.53	<b>1.02</b>	1037	7x14x3/8	1.53	<b>1.10</b>
1030	7x18x3/8	2.95	<b>1.96</b>	1038	7x18x3/8	2.95	<b>2.12</b>
1031	7x21x3/8	3.45	<b>2.30</b>	1039	7x21x3/8	3.45	<b>2.45</b>
1032	7x24x3/8	3.94	<b>2.63</b>	1040	7x24x3/8	3.94	<b>2.85</b>
1033	7x26x3/8	4.25	<b>2.83</b>	1041	7x26x3/8	4.25	<b>3.02</b>
1034	7x28x3/8	4.65	<b>3.15</b>	1042	7x28x3/8	4.65	<b>3.40</b>
1035	7x30x3/8	4.92	<b>3.61</b>	1043	7x30x3/8	4.92	<b>3.80</b>

**Sockets**



**Benjamin 5-Prong "Y" A. C. CUSHION BASE SOCKET Type 9036**

Intended for 5-Prong A. C. tubes only. Shock absorbing. Compact and neat appearing. Bakelite. Nickel plated screws and nuts. Tinned soldering terminals. Positive tube to terminal connection.  
Your Price **59c**  
List Price \$1.00  
Stock No. 1000



**BENJAMIN CUSHION SOCKET FOR UX TUBES Type 9040**

Shock absorbing socket that gives longer life and protects the tubes from sudden impacts. Eliminates tube noises. Positive tube-to-terminal connection. Moulded bakelite highly polished.  
Your Price **44c**  
List Price 75c  
Stock No. 1002



**BENJAMIN 5-Prong "Y" A. C. SUB-PANEL SOCKET Type 9037**

Intended for use with 5-Prong A. C. tubes only. The tube holding element floats on perfectly balanced springs, thus eliminating microphonic noises. Tinned soldering terminals. Sub-Panel Mount.  
Your Price **44c**  
List Price 75c  
Stock No. 1001



Fits all UX type tubes. Compact and neat appearing. Moulded bakelite. Tinned soldering terminals. Shock absorbing. Eliminates tube noises.  
Your Price **29c**  
List Price 50c  
Stock No. 1003



**Eby Sockets**

Made for base or subpanel mounting. Wiping spring contacts. Perfect tube to terminal connection. 4 prong.  
Your Price **26c**  
List Price 40c  
Stock No. 1006

**Eby 5-Prong Socket for A.C.**

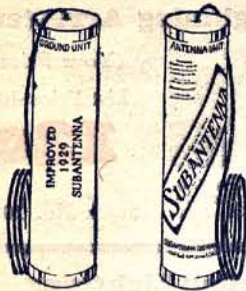
Your Price **30c**  
List Price 50c  
Stock No. 1007



**FROST UX Sockets**

German silver springs make good contacts. Base of genuine moulded black bakelite, plainly marked terminals. Made in two styles: No. 530 with soldering lugs and lock nuts on top; No. 531 with connecting screws projecting through bottom of socket for sub-base wiring.  
Your Price **24c**

Stock No.	Type	List Price	Your Price
1004	530	\$0.40	<b>24c</b>
1005	531	.40	



Your Price

**4<sup>41</sup>**

List Price \$7.50

Stock No. 1047

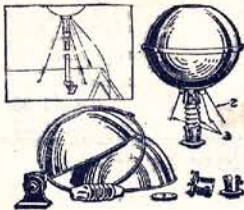
**OPERATES ON ALL SETS**

IT makes no difference what kind of a set you have—SUBANTENNA TWINS will improve reception. Five tubes or ten tubes—AC or DC.

**EASY TO INSTALL**

Merely place it under the surface of the ground—attach the special weatherproof wire to the ordinary insulated wire leading to your radio set—and forget it. It is permanent. It does away with clamps, insulators, posts, etc., along with the overhead aerial.

**AERIALS and Antennae**



**MORRIS BALL KIT**

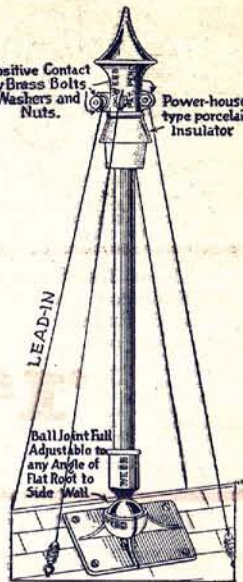
Your Price All-aluminum ball, 10 in. diameter. 1 band for joining halves of ball, complete with screws. 1 adjustable roof bracket with screws and bolts. 1 glass insulator. 2 insulator sockets with screws and bolts. 1 3-in. washer for inside of ball.

**2<sup>94</sup>**

List price \$5.00  
Stock No. 1048

**W-E-B-B UMBRELLA AERIAL**

Positive Contact by Brass Bolts Washers and Nuts. Power-house type porcelain insulator

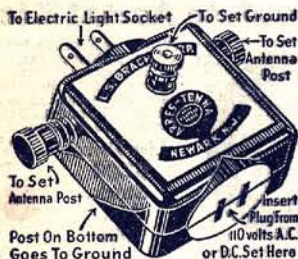


Absolutely All-Directional. Clearer Reception. Increases Selectivity. Increases Distance Range. Reduces Static Interference. Unusually Attractive and Ornamental. Quick and Easy to Erect. Requires Only a Small Space. Nothing to Rust or Corrode. Ball and Socket Base Adjustable to Any Angle. Will Remain Erect in Severest Storms.

Your Price

**3<sup>97</sup>**

List Price \$6.75  
Stock No. 1049



**BRACH ARRESTENNA**

Insure your radio against lightning!! One arrester for your aerial, and another arrester for your electric light lines. Also contains a light socket antenna and a 110 volt outlet for your electric radio! Free \$100.00 Insurance Policy with each Arrestenna.

Your Price

**1<sup>67</sup>**

List Price \$2.50

Stock No. 1052

**MORRIS BALL TOWER**

The Morris Ball Tower is a highly efficient aerial. Complete, consists of 1 sectional steel tower, 40 feet No. 18 bare copper wire, 4 insulators, 6 feet No. 14 for lead-in wire, 6 feet No. 14 for lightning rod wire, 1 insulator socket with lightning rod attached, 1 sectional aluminum ball. Screws, nuts, etc., for joining parts.

Your Price

**4<sup>70</sup>**

List Price \$8.00  
Stock No. 1051



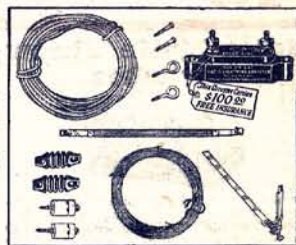
**BRACH AERIAL OUTFIT With \$100 Insurance**

Your Price

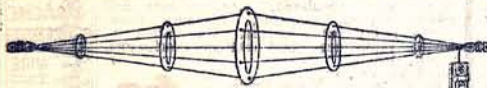
**1<sup>25</sup>**

Stock No. 1050

Aerial Outfit includes all the necessary parts for erecting an aerial, including Storm King non-air gap Lightning Arrester. This package contains:  
1 Storm King (Non-Air Gap) Lightning Arrester.  
75 ft. No. 7-24 Stranded Copper Wire.  
25 ft. No. 18 Rubber Covered Wire.  
1 Ground Clamp, No. 15.  
1 Window Lead-in, Type 20.  
2 Porcelain Insulators.  
2 Screw Eyes.  
2 Nail-it Knobs.  
2 Wood Screws.  
1 Instruction Sheet.



**LIFE-TIME DX AERIAL**



Guaranteed Double Volume and Sharper Tuning

Assembled ready to string up. Brings in volume of long aerial but retains the selectivity of a short aerial. Rings are heavy gauge solid zinc. Sharpens tuning of any receiving set because of short length, but has enormous pick-up because 150 feet of No. 12 enameled wire is used in type 30 and 300 feet is used in type 60. Great volume on distance without destroying sharp tuning.

Type No. 30  
Length 30 Feet  
Your Price

**5<sup>88</sup>**  
List Price \$10.00  
Stock No. 1053

Type No. 60  
Length 60 Feet  
Your Price

**7<sup>35</sup>**  
List Price \$12.50  
Stock No. 1054

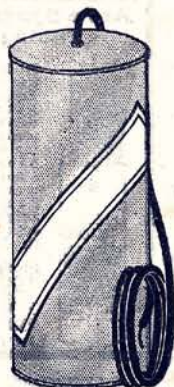
**Master Under-ground ANTENNA**

An all directional, selective antenna for any radio receiver. Increases the receiving range of practically any set. It is selective, diminishes static and other strays. Completely replaces the outdoor old style up in the air aerial, installed in the ground where there is no interference. Once installed it requires no further attention and will last a lifetime.

Your Price

**2<sup>94</sup>**

List Price \$5.00  
Stock No. 1055



**Antenna Lamp and Aerial**

The Antenna is so designed that a double protection is made against short circuits. Does away with outside aerial. An attractive ornamental reading or decorative lamp that enhances the beauty of your set. The Antenna may be used with or without the light turned on. Modernistic design. Rich silver plated. Height, 12 in. Push thru socket, 6 ft. silk cord and plug.



Your Price

**3<sup>82</sup>**

List Price \$6.50  
Stock No. 1056



**MUTER ANTENNA PLUG**

Improves reception and tuning. Replaces outside aerial on any set. Screws into socket same as any electric light bulb, but does not consume any current.

List Price 75c Your Price  
Stock No. 1057 **45c**

14 B. S. LEAD-IN  
Your Price 50 ft. 100 ft.  
Your Price  
**41c 80c**  
Stock No. 1058 Stock No. 1059

**DUBILIER LIGHT SOCKET AERIAL**

Any house current outlet provides a highly efficient antenna, and does away entirely with lead-in wires, lightning arresters and faulty connections.

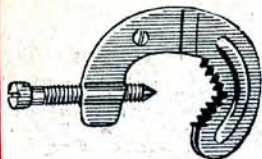
Your Price

**89c**



List Price \$1.50 Stock No. 1060

**WESTERN RADIO for RELIABLE PRODUCTS**



Your Price  
**15c**  
List Price 25c  
Stock No. 1061

**Morris  
Ground Lamp**

Hard sharp teeth on double frame of this clamp bite through rust, paint, etc., that is usually on the outside of the pipe used for a ground, and brings the Clamp into contact with clean metal, which insures a ground connection of very high efficiency without soldering. Takes pipe up to 1 1/2 in.

**Muter Interference  
Eliminator and  
Static Reducer**



Can be easily and quickly attached to receiving set without the use of tools. Capable of tuning out nearby powerful stations when they are not wanted. Black moulded Bakelite case. 3 1/2-in. diameter.

Your Price  
**\$1.47**

List Price \$2.50  
Stock No. 1066

**Enameled 7-Strand**

An excellent wire for outside aerials. Enameled insulation between strands. Stranded aerial present large surface area and is highly efficient.

Your Price  
100 ft.  
**34c**

Stock No. 1067

**7-Strand Copper Aerial  
Wire**

Your Price  
100 ft.  
**25c**

Makes the best type of aerial. Genuine copper wire. Furnished in 100-ft. coils only.

Stock No. 1068

**Muter Knife Throw  
Switches**



Specially adapted for connection of battery circuits with surface mountings. Black moulded Bakelite base. Highly nickel plated brass contacts with moulded insulated handles.

**Single Pole Double Throw**  
YOUR PRICE  
2 1/2 in. long,  
3/8 in. wide  
List Price, 60c  
Stock No. 1069  
**36c**

**Double Pole Double Throw**  
YOUR PRICE  
2 1/2 in. long,  
1 3/8 in. wide  
List Price, 85c  
Stock No. 1070  
**50c**

**Triple Pole Double Throw**  
YOUR PRICE  
2 1/2 in. long, 2 in. wide  
List Price, \$1.25  
Stock No. 1071  
**74c**

**Five Pole Double Throw**  
YOUR PRICE  
2 1/2 in. long,  
3 1/4 in. wide  
List Price, \$2.00  
Stock No. 1072  
**\$1.18**

**GROUND  
CLAMP**

For connecting to round rods or pipes. Positive tight connections.

Your Price  
List Price 8c  
Stock No. 1065  
**4c**

**Single Pole  
Double Throw**  
Base, 1/2 x 1/4 in.  
List Price, 15c  
YOUR PRICE  
**9c**

Stock No. 1073

**Single Pole  
Double Throw**  
Base, 1/2 x 1/4 in.  
List Price, 25c  
YOUR PRICE  
**15c**

Stock No. 1074

**Double Pole  
Double Throw**  
Base, 1 x 1/4 in.  
List Price, 40c  
YOUR PRICE  
**24c**

Stock No. 1075

**Accessories  
for the BUILDER**

**Clarostat Antenna Plug**



Your Price  
**89c**

Makes any socket an antenna house wiring and power lines. Mica and brass disk coupling condenser for exceptional efficiency. Absolutely safe. Finished in green bakelite and nickel. Long flexible connecting cord.

List Price \$1.50  
Stock No. 1062

**Window Lead-In**



Fits under window and permits it to close. Eliminates porcelain tubes.

List Price 25c

Your Price  
**8c**

Stock No. 1064

**BRAIDITE WIRE**



Stock No. Color  
1076—Red  
1077—Green  
1078—Yellow  
1079—Blue  
1080—Black

Unnecessary to strip insulation. Braid pushed back while soldering and then replaced, making neat connection. Specify color when ordering. 25-ft. roll.

List Price Your Price  
35c **21c**

1000-ft. spools. Braidite stranded. Solid black only.

List Price \$9.25  
Stock No. 1081

Your Price  
**\$5.25**

**Porcelain Insulators**



Holes at each end. Best grade porcelain. 3/4 in. long.

Your Price  
Ea. **3c**  
Your Price  
100 **\$2.75**

Stock No. 1082

**Flexible Stranded  
Rubber Covered  
Wire**

For connections within the set to batteries, aerial and ground. 25 ft. coils.

Stock No. 1083

List Price, 25c

**Glass Insulators**

Non-conductive. Will stand considerable strain. 4 in. long.

Your Price ea. **7c**  
100 Lot **\$6.00**  
List Price, 15c

Stock No. 1084

**BABY KNIFE THROW  
SWITCHES**

An ideal switch for base or panel mounting. Black Bakelite base. Highly nickel plated brass contacts with insulated handles.

**Single Pole  
Double Throw**  
Base, 1/2 x 1/4 in.  
List Price, 15c  
YOUR PRICE  
**9c**

Stock No. 1073

**Single Pole  
Double Throw**  
Base, 1/2 x 1/4 in.  
List Price, 25c  
YOUR PRICE  
**15c**

Stock No. 1074

**Double Pole  
Double Throw**  
Base, 1 x 1/4 in.  
List Price, 40c  
YOUR PRICE  
**24c**

Stock No. 1075

**Approved Lightning Arrester**



Your Price  
List Price 40c  
**12c**

Fully approved by Underwriters Laboratory. For indoor or outdoor use. Made of best grade porcelain. Positive action. Cannot fail.

Stock No. 1063

**Muter Guardian Lightning  
Arrester**

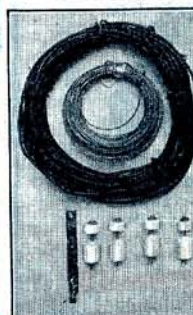


Your Price  
**45c**

The ultimate in Lightning Arresters for those who want the best. Large brown porcelain waterproof barrel 1 1/2 in. long with cleanable carbon brushes.

List Price 75c  
Stock No. 1085

**Complete Aerial Kit**



All the equipment for an aerial in one package. Contains 75 ft. 7-strand copper wire, approved arrester, 2 3-in. aerial insulators, 1 approved ground clamp, 4 Nails-it knobs, 1 lead-in, 2 1/2-in. screw eyes and 25 ft. lead-in wire.

List Price  
\$2.00  
Stock  
No. 1086  
Your Price  
**85c**

**Genuine Belden Magnet  
Wire**



Finest quality, low resistance, copper wire.

Size	Double Cotton spools	Double Green Silk spools
18.....	\$0.19	\$0.30
20.....	0.23	0.44
22.....	0.28	0.51
24.....	0.32	0.57
26.....	0.38	0.68

**Acme Spaghetti  
Tubing**



High dielectric strength. Long life. Extremely flexible. A perfect tubing for radio electrical and other uses. Glossy finish. Bright, clear colors. 2 1/2-ft. lengths.

Stock No. Colors  
1092 Black  
1093 Yellow  
YOUR PRICE **7c**  
List Price, 12c

**Acme Solid Celatsite Wire**

Non-inflammable. Made of No. 14 tinned copper wire. Insulated. Can be bent and rebent without cracking. Moisture proof. Strips easily for soldering. Unequalled for wiring radio sets, and battery eliminators.

2 1/2-ft. lengths.  
Stock No. Color  
1087 Black  
1088 Red  
1089 Brown  
1090 Green  
1091 Yellow  
List Price 9c Per Length  
100 ft. Your Price **\$2.00**  
40 Lengths Price.....

**Acme Flexible Celatsite Wire**

Sixteen strands of No. 30 tinned copper wire covered with non-flammable insulation, making it size 18. Per Coil wire. Will not crack. 25-ft. coils. List Price, 80c

Stock No.  
1094 Black  
1095 Red  
1096 Brown  
1097 Green  
1098 Yellow



**Belden Hookup Wire**

Square and round hook-up wiring thinned for soldering. Easy to bend. No. 14.

Stock No. Type  
1099 Square  
1100 Round  
10 ft. 100 ft.  
Your Price  
\$0.08 \$0.65  
.07 .60



**VALUE and QUALITY LEADERS SINCE 1921**



# Binding Posts

## Eby Posts Engraved Heads

Non-removable cap. Rounded heads neatly engraved. Large holes for wires. Comes in following engraving:

Ant.	B Amp.	B+45	Plain
Gnd.	B+135 Volts	B+90	B+ Power
A+		B+180 Volts	AC 1½
A-			AC 1½
B-	C-	Loop	AC 2½
B. Det.	C+	Phone	AC 5

Be sure to specify type when ordering

Your Price EACH **9¢**  
List Price 15c  
Stock No. 1117



## XL Push Binding Post Bakelite Top

The X-L "Push Post" a binding post that really does excel in looks, action, service and convenience. No screwing—no shearing of wires—no jarring loose. Large convenient hole. Easy to enter wires. Furnished attractively plated with the following designations:

Ant.	B Amp.	B+45	Plain
Gnd.	B+135 Volts	B+90	B+ Power
A+		B+180 Volts	AC 1½
A-			AC 2½
B-	C-	Loop	AC 5
B Det.	C+	Phone	AC 5

Be sure to specify type when ordering

Your Price EACH **9¢**  
List Price 15c  
Stock No. 1118

## "Set of Six" Wrenches

Six tools in one. A socket wrench that fits ¼, ⅜, ½, ⅝, and ¾ inch hexagonal nuts and round knurled nuts up to ¾ in. A handy tool for every set builder.

Your Price **75¢**

List Price \$1.25 Stock No. 1112



## Screw Assortment

A handy set containing all sizes and types of screws. Meets the requirements of every set builder.

Your Price **29¢**  
List Price 50c  
Stock No. 1113



## Champion Screw Driver

Fluted black rubberoid finish handle. Full nickel ferrule. Tempered steel blade. 8 in. long.

Your Price **15¢**  
List Price 30c  
Stock No. 1106



## Tinned Solder Lugs

A practical lug for set builders. Tinned for soldering.

Your Price Per 100 **25¢**  
Your Price Per 1000 **175¢**  
Stock No. 1115 | Stock No. 1116



## Drake Soldering Iron

List Price \$4.00  
Your Price

**236**

Stock No. 1101

A 75-watt iron of all brass construction heavily and fully nickel-plated. Equipped with 6 feet of heater cord, two piece plug and two removable tips—1 flat and 1 diamond pointed. Heating element of No. 4 Nichrome wire wound on lava spool guaranteed for two years. ¾-in. barrel and 12 in. overall. Just the iron for the most inaccessible places. 110 volt, AC or DC.



## Drake Soldering Iron

Your Price

**177**

List Price \$3.00  
Stock No. 1102

A 70-watt iron designed for radio work. A No. 4 Nichrome wire heating element wound on lava spool. Guaranteed. Metal finished in nickel and brass. Removable ¾ in. hard drawn copper tip. Six-foot cord and plug. 12 in. long. 110 volt, AC or DC.



## Drake Mechanics' Soldering Iron

Your Price

**353**

List Price \$6.00  
Stock No. 1103

A 125-watt iron for heavy duty and long service in machine shops, garages, etc. No. 4 Nichrome wire wound on lava spool, guaranteed for two years. 12 in. overall. Metal parts finished in nickel and brass. Removable 1 in. bar drawn copper tip. Six-foot cord and separable plug. 110 volt, AC or DC.



## Drake Junior Iron

Your Price

**118**

List Price \$2.00  
Stock No. 1104

A 50-watt iron of dependable construction. No. 4 Nichrome wire heating element wound on lava spool. Guaranteed. Nickel and brass metal parts. Removable ¾ in. hard drawn copper tip. 12 inches. Six foot cord and plug. 110 volt AC or DC.



## Hand Drill

Your Price

**150**

List Price \$3.00  
Stock No. 1105

¾ in. capacity chuck. Hollow mahogany finish handle to hold extra drills. Black Japanned malleable frame. Gear wheel with cut teeth.

## Citizen's Radio Call Book



Contains complete up-to-date list of all broadcasting stations in the world, a complete picture section and beautifully illustrated construction articles showing how to build latest circuits.

Your Price **33c**  
List Price 50c  
Stock No. 1114

## Long Nose Pliers



Your Price

**65¢**

A handy tool for set builders. Reaches difficult places. Well tempered cutting jaws. Nickel finish.

List Price \$1.25 Stock No. 1107



## 7" Lineman's Pliers

Your Price

**85¢**

Forged steel lap joint. Tempered heavy duty jaws. Polished head. Gun metal handles.

List Price \$1.50 Stock No. 1108



## 5" Diagonal Pliers

Your Price

**54¢**

Strong oval faced cutting jaws. Properly tempered. Nickel finished.

List Price \$1.00  
Stock No. 1109



## Kester Rosin Core Solder

Hollow ribbon of genuine lead with a rosin core. No paste required. No fumes, will not corrode.

Stock No.	Size	List Price	Your Price
1110	¼ lb. can	25c	17c
1111	1 lb. spool	...	65c



## Diamond "C" Batteries

Stock No.	Volts	List Price	YOUR PRICE
1247	4 1/2	\$0.60	<b>\$0.38</b>
1248	7 1/2	.85	<b>.55</b>
1249	9	1.20	<b>.76</b>
1250	22 1/2	2.00	<b>1.20</b>



## Burgess "C" Batteries

Stock No.	Type	Volts	List Price	YOUR PRICE
1257	2370	4 1/2	\$0.58	<b>\$0.40</b>
1258	5360	Small 4 1/2	.40	<b>.30</b>
1259	6540	7 1/2	.75	<b>.60</b>
1260	6156	22 1/2	1.50	<b>1.13</b>



## Burgess Dry Cell

Your Price

**36c**

List Price 50c  
Stock No. 1261



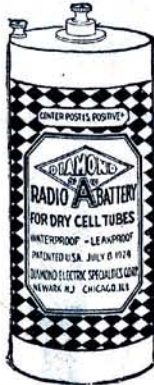
## YAXLEY 440 Automatic Voltage Relay

Controls switching of B power supply and charger or either, when the filament of set is turned on or off. When set is turned on B power supply is cut in and charger is cut out. Reverse takes place when the set is turned off. When A battery is fully charged, the Full Automatic cuts out A charger, will not overcharge.

List Price \$7.50

Your Price **4.41**  
Stock No. 1269

## DIAMOND Dry Cell



Diamond "A" Cell for 199 tubes and all dry cell purposes.

Your Price **32c**

List Price 50c  
Stock No. 1251

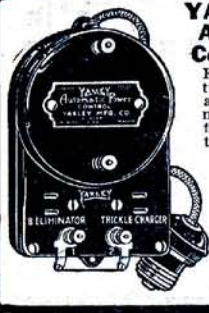


## Eagle Hydrometer

Tells amount of charge in "A" Battery. Glass prongs on float prevent tip from sticking to wall.

List Price 75c  
Your Price

**32c**  
Stock No. 1267



## YAXLEY 444 Automatic Control Relay

For switching trickle chargers and "B" Eliminators. Operating filament switch of the set gives absolute control of power supply.

List Price \$5.00

Your Price **2.94**  
Stock No. 1268



## Griptite Clips

For "A" Battery Makes firm electrical contact.

List Price 20c  
Your Price **8c**  
Stock No. 1264

For "B" Battery  
List Price 10c  
Your Price **5c**  
Stock No. 1265



## Burgess 45-Volt

Type 22308 Burgess 45 volt Super B medium size. List Price \$2.95  
Your Price **2.21**  
Stock No. 1253

Type 2308 Burgess regular 45 volt medium size. List Price \$2.50  
Your Price **1.88**  
Stock No. 1254

Type 10308 Burgess regular 45 volt heavy duty. List Price \$3.75  
Your Price **2.81**  
Stock No. 1255

Type 5308 Burgess 45 volt for portables. List Price \$2.50  
Your Price **1.88**  
Stock No. 1256



## "AA" Philcotron K463

List Price \$4.00

Your Price **2.80**

Stock No. 1270



## "A" Philcotron K458

List Price \$3.00

Your Price **2.10**

Stock No. 1271



## "B" Philcotron K457

List Price \$1.00

Your Price **70c**

Stock No. 1272

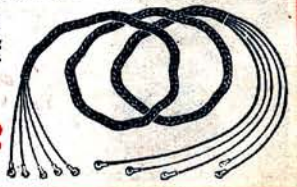
## WESTRAD Cable

Multi-color cable. Each lead of distinctive color to prevent confusion. Lug terminals. Prevents short circuits. Length, 5 ft.

List Price 60c

Your Price **27c**

Stock No. 1266



# "B" BATTERIES

## HICKORY Upright 45 Volt

Exceptionally long life. Clip connectors at 45 and 22 1/2 volts.

### 45 Volts

Length ..... 8 1/8 in.  
Width ..... 3 1/4 in.  
Height ..... 7 1/8 in.

List Price \$2.50

Your Price **1.20**

Stock No. 1240

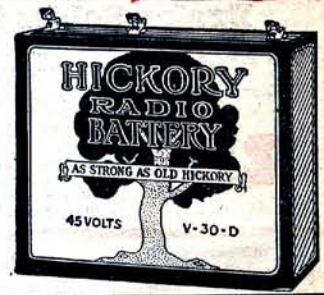
### 45 Volt Heavy Duty Upright

Length ..... 8 1/8 in.  
Width ..... 4 1/8 in.  
Height ..... 7 1/8 in.

List Price \$3.75

Your Price **1.95**

Stock No. 1241



## DIAMOND Upright 45 Volt

Clip connectors at 22 1/2 and 45 volts. Long life.

### B-6-45 Volt

Length ..... 8 1/8 in.  
Width ..... 3 1/4 in.  
Height ..... 7 1/8 in.

List Price \$2.50

Your Price **1.75**

Stock No. 1242

### Heavy Duty B-20, 45 Volt

Length ..... 8 1/8 in.  
Width ..... 4 1/8 in.  
Height ..... 7 1/8 in.

List Price \$3.75

Your Price **2.70**

Stock No. 1243

## DIAMOND 22 1/2 Volt

### Flat Type B-1

Variable voltage at 16 1/2, 18, 19 1/2, 21, 22 1/2 volts; length, 6 1/2 in.; width, 2 in.; height, 3 in.

List Price \$2.00

Your Price **1.25**

Stock No. 1244

### Upright Type B-8

Two binding posts. Used in portable sets. Length, 3 1/4 in.; width, 2 1/2 in.; height, 6 in.

List Price \$1.75

Your Price **1.15**

Stock No. 1245

### Small Type B-4

For portable sets. Length, 3 1/4 in.; width, 2 1/2 in.; height, 3 inches.

List Price \$1.50

Your Price **94c**

Stock No. 1246

## Eveready Layerbilt 45 Volt

Type 485 Medium No. 485 is a new size 45-volt EVEREADY Layerbilt. Length, 8 1/8 in.; height, 7 1/8 inches.

List Price \$2.95

Your Price **2.22**

Stock No. 1262

### Type 486 Large

Embodying the exclusive EVEREADY Layerbilt construction. Length, 8 3/8 inches; width, 4 1/4 inches; height, 7 1/8 inches.

List Price \$4.25

Your Price **3.20**

Stock No. 1263



## PHILCOTRON REPLACEMENT CELLS



### ELKON Tapering Trickle Charger

Keeps "A" battery charged automatically. Taper feed keeps battery from running down or becoming over-charged. No tubes, no liquids, acids, alkalis, or moving parts. The bone dry charger that needs no adjustment.

Your Price

**5<sup>88</sup>**

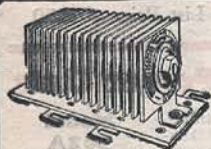
List Price \$10.00  
Stock No. 1288

### ELKON 3 Amp. Charger

Charges radio or automobile batteries. Has tapering feature. Will not spoil battery.

List Price \$13.50 Stock No. 1289

Your Price  
**7<sup>94</sup>**



### ELKON Dry "A" Rectifier—Type M-16

Standard equipment on thousands of "A" eliminators and trickle chargers. May be used in the following "A" eliminators: Majestic, Elkon, Webster, Knapp, Fada, Sentinel, Bernard, General Instrument, Metra and Mayolima. Makes eliminator as good as new. Simple to install.

Your Price

**4<sup>12</sup>**

List Price \$7.00  
Stock No. 1290



### ELKON Model U-P-8 PHILCO Replacement Unit

A dry Rectifier which replaces the A. A. PHILCOTRON (K463) or the A. PHILCOTRON (K458) in 6 or 4-volt Philco A and B Socket Powers.

Your Price

**2<sup>35</sup>**

List Price \$4.00  
Stock No. 1291

### 5,000 Hour Elkon B Dry Rectifier



Replaces Raytheon Type Tubes in "B" eliminators. Dry—solid—rugged—not a tube—long life.

Take out the 1000 hour tube—plug in the sturdy 5000 hour Elkon EBH. No changes in wiring. No adjustments.

Power is smoother, quieter. Over a million ready-made customers for this new Elkon Product.

Your Price

**3<sup>53</sup>**

List Price \$6.00 Stock No. 1292



Your Price **2<sup>35</sup>**  
List Price \$4.00 Stock No. 1295

### ELKON Replacement Rectifiers for Trickle Chargers

If charger does not keep up battery, put in a new set of rectifiers. Used in the following Trickle Chargers. Type V-4, sets of 3 Units for Elkon Types B & TF National Lead Acme Bernard Cleveland Precision

## "A" BATTERIES

### WESTRAD Heavy Duty "A"

Rubber case 6-volt "A" Batteries. Made of highest quality material.

Stock No.	Volts	Plates	Amps	List Price	YOUR PRICE
1275	6	9	80	\$14.00	<b>\$5.95</b>
1276	6	11	100	16.00	<b>6.75</b>
1277	6	13	120	20.00	<b>7.75</b>



### PHILCO

### Storage "A" Batteries

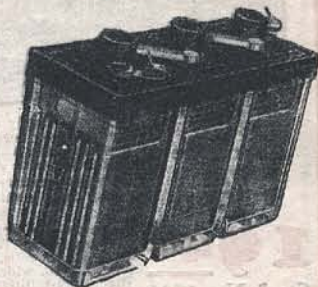
Diamond grid plates and quarter-sawn separators. Mahogany rubber case.



Stock No.	Volts	Type	Amps	List Price	YOUR PRICE
1278	6	56 RX	85	\$13.25	<b>\$ 6.95</b>
1279	6	76 RX	100	16.50	<b>8.65</b>
1280	6	96 RX	130	19.90	<b>9.95</b>
1281	6	116 RX	160	25.00	<b>13.50</b>

### PHILCO Glass "A" Batteries

Visible built-in charge indicator. Spray-proof. Dry and clean permanently. For trickle charger use. Large solution space insures operation over long periods without addition of water. Thick plates and separators insure long life.



Stock No.	Type	Volts	Dimensions	Over All Price	List Price	YOUR PRICE
1282	UD-44	4	7 1/8" x 2 1/8" x 6 3/8"	\$ 7.50	<b>\$4.50</b>	
1283	UD-86	6	10 1/8" x 4 5/8" x 6 7/8"	12.50	<b>7.50</b>	
1284	UD-96	6	10 1/8" x 4 5/8" x 7 3/4"	13.90	<b>8.34</b>	

### ELKON Replacement Dry Rectifiers for Balkite Chargers



With the Elkon Dry Replacement Rectifier the charging rate on the Type N is increased to 1 ampere, on the Type K to .8 ampere and the Type J 20% higher on all charging rates.

Type	Your Price	Type	Your Price
BNK (for types N & K)	<b>2<sup>94</sup></b>	BJ (for type J)	<b>4<sup>41</sup></b>
List Price \$5.00	Stock No. 1293	List Price \$7.50	Stock No. 1294



### ELKON Dry Condensers

Used in filter systems where high capacities are needed, such as "A" Powers. Used as standard equipment by manufacturers. Not recommended in circuits over 12 volts DC. Dimensions: 2" x 2" x 6 3/4".

Type C  
List Price \$4.50  
Your Price

**2<sup>65</sup>**  
Stock No. 1296

### G. E. TUNGAR BULBS

5-Ampere List Price \$8.00 Your Price **5<sup>88</sup>**  
Stock No. 1285

2-Ampere List Price \$4.00 Your Price <b>2<sup>94</sup></b> Stock No. 1286	1-Ampere Trickle Charger Bulb List Price \$4.00 Your Price <b>2<sup>94</sup></b> Stock No. 1287
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### Dynamic Hum Eliminator

List Price \$3.50  
Your Price

**2<sup>06</sup>**  
Stock No. 1297

Designed for reducing the hum from AC dynamic speakers. Used as standard equipment by manufacturers of speakers. Simply connected across the rectifier output circuit.

## Knapp "A" Power

for  
4 or 6  
Volt  
Sets



Your Price

**22.05**

List Price \$37.50  
Stock No. 1225

An efficient source of humless "A" power for DC sets. Output 2½ amp. No acid, tubes or water. For 60 cycle, 110 volt AC. Complete factory wired.

## MUTER ABC Power Unit



List Price \$33.00  
Your Price  
With  
280 Tube

**19.40**

Stock No. 1234

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, 5 volts with center tap. B. leads are Neg. 45, 87, 90, 135 and Pwr. B Capacity 220 volts at 40 mills. Size 12 in. long, 3¼ in. wide, 5½ in. high. Black crystalline finish. With 280 tube.

## MUTER B Power Unit



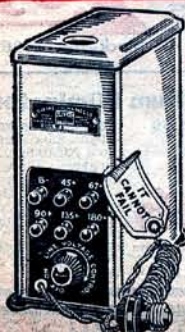
Your Price

**15.00**

List Price \$25.50

Equipped with controls with separate fixed voltage taps; Neg. 22+, 45+, 90+, 135+, PWR, giving a wide range of clearly indicated voltage. A wire wound fixed resistance unit supplies ample taps, giving constant voltage at each tap. For use with 110-120 volt, 60 cycle, AC current. Comes with 280 Rectifier tube. Output 180 volts at 30 mills.

Stock No. 1235



## GREENE

Operates all 1 to 10 tube sets having heavy current draw. Capacity 180 volts—55 Milli-amperes. Has six output voltage terminals—all voltages are fixed. No variable adjustments. Cannot get out-of-order. Simple control provided for all line voltage fluctuations. Unfailing "B" current supply for clearer, improved reception. Price includes BH Raytheon tube. 95 to 125 volt 60 cycles AC.

Stock No. 1236

# KUPROX Power Packs

## Model 316 BC

For large sets equipped with 71 power tube. Supplies 22, 45, 67½, 90 and 180 volts "B" together with 4 and 45 volts "C." Has separate adjustment for detector. The ideal power pack for large receiving sets using 171 power tube. 110 volts, 50-60 cycles AC. With 280 tube.



List Price \$40.50

Your Price

**23.82**

Stock No. 1226

## ABC Model 307 ABC



In the Kuprox ABC Power Pack you get a power unit that is similar to that which is used in the latest AC receivers. The only difference being that the "A" section supplies absolutely smooth direct filament. Unit shown above has 8 tube capacity at 6 volts; "B" 22, 45, 67½, 90, 180 volts; "C" 4, 45 volts. 110 volts, 50-60 cycles, AC. Complete with 280 tube.

Your Price

**41.46**

Stock No. 1227

List Price \$70.50

## KUPROX Rectifier Replacement Units

Type A-110. For use on the following popular trickle chargers: Balkite Type "K" (.4.5 Amp.); Silite (.6 Amp.); Vesta (.5 Amp.). No Acid. No Attention.

Your Price

**2.94**

List Price \$5.00  
Stock No. 1229



## KUPROX "A" Power Unit

Absolutely dry. No acid or tubes. Adjustable switch and tapped transformer permits adjustment in output voltage to fit any set. No hum. Can be used with any "B" Eliminator if you now have a good plate supply unit.

Model 302A  
110 Volt,  
60 Cycle,  
AC Complete  
2½ Amp.

Your Price

**20.58**

List Price \$35.00

Stock No. 1228



## KUPROX Replacement Unit AR-3



tron, Exide, Willard, Eagle, G. & G., Johnson, etc. No Acid, No Attention.

List Price \$5.00  
Stock No. 1230

For use on the following chargers. Philco Socket Powers. Gould Uni-powers, Uni-

Your Price

**2.94**

## KUPROX Replacement Unit CR-1



List Price \$5.00  
Stock No. 1231

For replacing Tungar 1-amp. (small) bulbs on the following units. In Tungar 1-amp. Trickle Chargers, Philco Socket Powers (Bulb Models), Exide Socket Powers (Bulb Models).

Your Price

**2.94**

## KUPROX Multirate Charger

For Trickle Charging Radio Batteries, Operating Dynamic Loud Speakers, Supplying Radio Filament Current, Operating Time Clock and Recording Systems, Etc. Operating Telegraph Sounders, Bells, Whistles, Etc.

Complete 110 Volt, 60 Cycle AC  
Your Price

**6.76**

List Price \$11.50  
Stock No. 1232

Complete 110 Volt, 25-40 Cycle AC  
Your Price

**7.50**

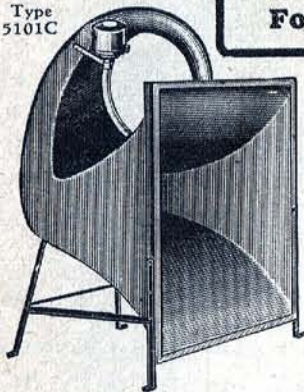
List Price \$12.75  
Stock No. 1233



# Public Address Equipment

For Other Material See Pages 20, 24 to 29—34, 35, 58

Type 5101C



## KERSTEN Theatrical Speakers

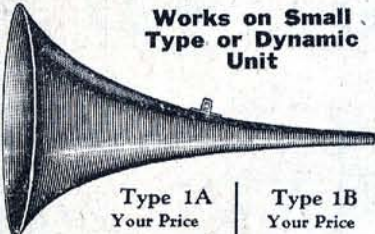
For the medium sized theatre, auditorium or ballroom nothing can compare with this new development by Kersten. An Exponential Dynamic Horn that brings the voice of the speaker or the music of the orchestra to the ear with vivid naturalness. It is mounted on a sturdily constructed standard make of angle steel. Especially fitted for Kersten Electro-dynamic Unit K-70. Height 41 in.; width 41 in.; depth 34½ in.; air column 12 ft.

Your Price—**54<sup>88</sup>**

Less Unit  
Stock No. 178 List Price \$80.00

## KERSTEN No. 1 TRUMPET

For use in large halls, theaters, auditoriums and out-of-doors, where transmission to a great distance is necessary. They are in general use throughout the country and are receiving favorable comment on their wonderful performance.



Works on Small Type or Dynamic Unit

Type 1A  
Your Price

**1020**

List Price \$15.00

Type 1B  
Your Price

**1578**

List Price \$23.00

No. 1A Bell—Diameter, 20 in.; length, 39 in.

No. 1B Bell—Diameter, 30 in.; length, 66 in.

Stock No. 179

Stock No. 180

## K-70 Electrodynamic Unit for Exponential Horns



Your Price

**51<sup>45</sup>**

List Price \$75.00

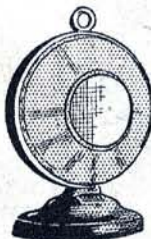
Stock No. 181

For Public Address, Hand Repeating, Theater Sound Projection, etc. Ideal for High Class Radio Installations where tone perfection and considerable volume is wanted.

Models for operation on 6 volt storage battery or 90 to 110 volt Direct Current. 6 Volt Model takes 1.1 amp. 90-110 Volt Model takes 50 milliamperes. Weight, 11½ pounds. Specify type wanted.

## UNIVERSAL 2-BUTTON MICROPHONES

These microphones are available in every commercial type, and can be used for broadcasting, public address, paging systems or any other purpose where faithful repeating is required. They are built by the world's largest exclusive manufacturer of microphones, and when used in accordance with the circuit diagram which accompanies each unit, will give unsurpassed performance.



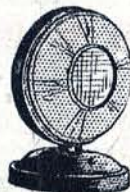
### Model KK Broadcast Type

Carbon Granule, stretched Duralumin diaphragm. Range 30 to 10,000 cycles. For all high grade microphone work. Finished in satin silver plate.

Stock No.	Description	YOUR PRICE
160.	Complete with stand, covers and 12 ft. cord.....	\$77.94
161.	Microphone only .....	58.80
162.	Stand, covers and 12 ft. cord only .....	19.13

### Model BB Public Address Type

Stretched diaphragm. For all public address uses. Same type as Model KK except shorter range.



Stock No.	Description	YOUR PRICE
163.	Complete stand, covers, 12 ft. cord .....	\$30.89
164.	Microphone only .....	19.60
165.	Stand, covers, 12 ft. cord only .....	11.29

## Universal Adjustable Floor Stand—

Ring is 6½ inches in diameter, base 18 inches. Extended height 5½ feet. Finished in statuary bronze, and has positive locking stop. Furnished with or without covers.

Your Price

**83<sup>89</sup>**

Complete with KK Microphone, covers and 25 ft. cord.

Stock No. 166

Microphone Only

Your Price

**58<sup>80</sup>**

Stock No. 167



Stock No.	Description	YOUR PRICE
168.	Stand, covers and 25 ft. cord only .....	\$25.09
169.	Stand only .....	18.68

## Universal Hand-mike

A quality hand microphone for the amateur and experimenter. Not recommended for commercial uses.



Your Price

**7<sup>84</sup>**

Stock No. 171

## Universal Microphone Input Transformer

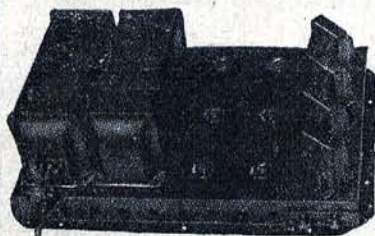
All the above microphones must be connected to the amplifier with an input transformer. In addition, a 0-25 milliammeter and a 400 ohm potentiometer are required. Circuit diagram is furnished with each input transformer.

Your Price

**5<sup>49</sup>**

Stock No. 170

## SAMSON PAM-19 AMPLIFIER



The Samson Pam-19 Amplifier is designed to be operated from the output of a detector tube of a radio set, or the output from a magnetic phonograph pick-up when such output is of low value. Each amplifier comes equipped with fuse, a 6-ft. high quality rubber-covered cable, attachment plug, switch, and the exclusive SAMSON line voltage compensating plug. This plug permits the operation of this amplifier on line voltages varying from 100 to 130 volts.

### SPECIFICATIONS

Tubes required: 2—227's, 2—281's, 2—250's.  
Number of stages: 3.  
Field current supply: None.  
Gain at 1000 cycles per second: 68 db.  
Frequency characteristic variation between 50 and 5000 cycles per second: 2.5 db.  
Input signal voltage to obtain maximum output: .2 volts.  
Power consumption: 135 watts.  
Impedance for which amplifier is designed to work out of: 5000 ohms.  
Impedance for which amplifier is designed to work into: 4000 ohms.  
Power supply: 100 to 130 volts, 50 to 60 cycles per second.  
Overall size: 14½"x20"x7½".

Your Price **102<sup>90</sup>**

List Price \$175.00 Stock No. 182

## Flexible Microphone Cable

Not Shielded. Three Conductor brown braid covered.		
Stock Length.		Your Price
No. 172	6 Ft. Cable with terminals on each end.	\$ 1.20
173	12 Cable with terminals on each end.	4.90
174	25 Cable with terminals on each end.	4.00
175	100 Cable only (cut to length).....	12.00

### Shielded Flexible Cable

Three Conductor Flexible, woven copper shielding, rubber cushion between conductors and shielding. Brown braid over all.

Per 100 ft.

Your Price **24<sup>00</sup>**

Stock No. 176

### Lead Shielded Cable

Three Conductor in lead shielding, each conductor rubber and colored cotton covered. For microphone lines from studio to transmitter or near AC lines. Can be bent and formed.

Per 100 ft.

Your Price **9<sup>60</sup>**

Stock No. 177



## Sunbeam FLAT Toaster

Toasts two slices of bread to a rich, golden brown in half the time. Serves more people, saves current and waiting.

With patented turnover rack you need not touch hot toast in turning it. Toasts everything from thinnest crackers to thick sandwiches and halved rolls. Extra heavy nickel plate and finest construction throughout.

Your Price **523**

List Price \$8.00  
Stock No. 1150

# Sunbeam

## Electrical Appliances

Sunbeam Electrical Appliances are nationally known for their excellence of quality and superiority of service. The famous Sunbeam Iron and Sunbeam Toaster are in use in countless thousands of homes.

## Sunbeam Grill and Toaster

Cooks a whole meal—49 different dishes—right at the table. For breakfast, tea, after theatre supper—for light refreshments any time.



Your Price

**686**

List Price \$10.50  
Stock No. 1151

## Sunbeam 6-lb. Iron



The Famous Sunbeam Iron is the ONLY iron with these four outstanding advantages that appeal to women: New TROUBLE-PROOF Steel Plug, New Air-Cooled Handle, the famous 30-Year All-Over Heating Unit and the Art-Steel Fireproof Case. Sunbeam is guaranteed to give more years of good service than any other iron made. Complete with cord and stand.

With Fire-Proof Case Your Price **556**

List Price \$8.50  
Stock No. 1152

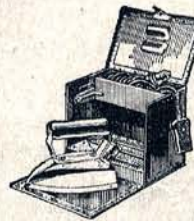
Without Case Your Price **490**

List Price \$7.50  
Stock No. 1153

## Little Sunbeam 3-lb. Iron

Built like the big Sunbeam only half the size. A handy iron for ironing dainty things such as lingerie and baby clothes. Same construction as big Sunbeam.

List Price With Fireproof Case \$6.00  
Stock No. 1154



Your Price **392**

List Price Without Case \$5.00

Your Price **327**

Stock No. 1155

## SUNBEAM STEEL PLUG TROUBLE PROOF

Fits any appliance. Built on an entirely new patented principle. Brass contacts, solidly mounted on India Mica-insulated steel plates, tightly held by big steel spring on outside. Spring is air-cooled and never loses grip. Shell of steel—indestructible. The ONLY plug in which cord comes out of side and is held out of way.



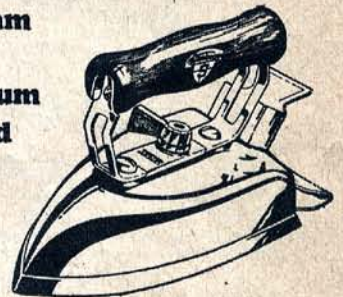
Your Price **131**

List Price \$2.00

Stock No. 1156

## MASTER AUTOMATIC

### Sunbeam 6 lb. Chromium Plated



Keeps an absolutely even heat, no matter what heat you set it for. Automatically controls the iron should you forget to shut it off.

Has the famous Sunbeam 30-year, all-over heating unit, tested by expert engineers on constant current—red hot—day and night for 11,187 hours. They could not burn it out. That's equal to 30 years of home use. High, Medium, Low, and every heat in between—without ever pulling the plug. Finger tip control—set whatever heat you want with a touch of the finger on the adjustment control. Guaranteed to give more years of good service than any other iron made.

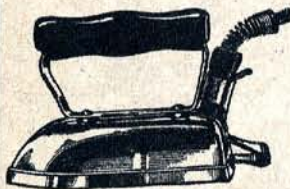
Your Price **585**

Stock No. 1160

List Price \$8.95

## Stewart 6-lb. Iron

A good quality guaranteed iron at a very low price. The biggest value on the market in low priced irons. Well built and dependable.



Your Price **200**

List Price \$3.00  
Stock No. 1157

## The Princess 6-lb. Iron

Heavily nickel plated and nicely finished. A handsome iron that will give long and satisfactory service. Has hand-wound, Mica-insulated, heavy-duty heating unit. Steel drawn top. Cool enameled handle. Monel metal terminal posts are strong and sturdy. Six feet of good quality Princess cord. Satin finished nickel plated stand.



With Fireproof Case List Price \$5.25  
Your Price **343**  
Stock No. 1158

Without Case List Price \$4.25  
Your Price **279**  
Stock No. 1159

## Sunbeam Percolator

The graceful Sheraton pattern of exquisite daintiness. Handles are of embossed metal with ivory rings to keep the handle cool. Safety fuse protects against burning out. Heavily nickel plated on copper. Capacity, 7 cups.



Your Price **719**

List Price \$11.00  
Stock No. 1161

## Sunbeam Dryer and Heater

Thirty seconds after switch is turned on the Sunbeam Dryer is going full blast. Just the thing for drying hair, taking the chill out of bedroom or bath or relieving pain by reducing inflammation. Nickeled bell-shaped reflector is mounted on black enamel standard. Can be raised, lowered or tilted. Height, 9" weight, 4½ lbs.



Your Price **433**

List Price \$6.50

Stock No. 1162

## Sunbeam Laundry Irons

The most complete line of electric irons ever made. Every one has the famous all-over, heavy-duty heating unit. Permanently attached plugs and strong steel spring-protected cords.

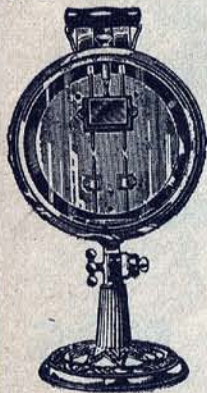
Stock No.	Type	List Price	YOUR PRICE
1163	7-lb. Laundry Iron.... XL70	\$ 8.00	\$ 5.33
1164	8-lb. Laundry Iron.... XL80	9.00	6.00
1165	10-lb. Laundry Iron.... XL100	10.00	6.67
1166	12-lb. Laundry Iron.... XL120	12.00	8.33
1167	15-lb. Laundry Iron.... TL150	15.00	10.00
1168	15-lb. Laundry Iron*... TL150	20.00	13.33
1169	20-lb. Laundry Iron*... TL200	22.00	14.67
1170	25-lb. Laundry Iron*... TL250	25.00	17.33
1171	25-lb. Tailors Goose*... GT250	26.00	17.33

\* With 3-Heat Switch.

The Sunbeam Laundry Iron simply can't be worn out. Its construction is massive, all parts are heavy duty for long severe service.



**Stewart  
Ultra-Violet  
Health Lamp**  
Made by the Makers of  
the Famous Sunbeam  
Line



The Ultra-Violet Rays produce Vitamin D in the body and enable the tissues to retain a proper amount of minerals which are so essential to the well-being of everyone. This benefit of sunshine, or the Sun Lamp, is particularly necessary in growing children. Their bones, teeth, and tissues are forming and they must have a good healthy foundation. Of course, adults need it also in order to keep healthy.

And the Ultra-Violet Sun-Lamp is also used for open wounds, etc. Bruises, sprains, muscular pains, rheumatism, etc., are treated with the Red and Infra-Red Rays of the Sun Lamp. These rays penetrate to the tissues under the skin where they generate heat and increase the flow of blood and its power to fight the germs. It has a full glass filter in front—no wire screen to shut out the beneficial Ultra-Violet Ray. The glass filter is in a metal frame with full allowance for expansion of the glass. The mechanism is entirely enclosed in the back of the lamp. (The spring is outside the bowl and away from the heat.) This lamp is designed for 8 mm. carbons. And any length carbon may be used, from 6 inches to 12 inches. The lamp can be tilted easily to any angle desired. Comes complete with goggles and box of carbons.

Your Price

**23<sup>33</sup>**

List Price \$35.00  
Stock No. 1176

**Health  
Lamp  
as Shown  
with Stand**  
Your Price

**30<sup>00</sup>**

List Price \$45.00  
Stock No. 1177

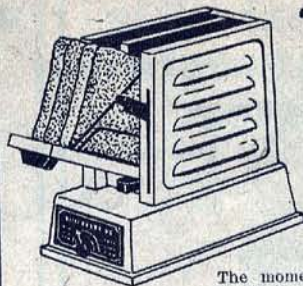
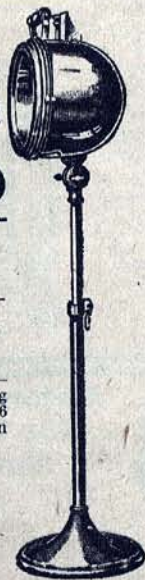
**Extra  
Carbons**

"Eveready Sunshine"—  
finest for generating  
Ultra-Violet rays. 6  
inches long, 8 mm. in  
diameter. Ten in box.

Your Price

**1.00**

List Price \$1.25  
Stock No. 1178



**Trimble  
Auto-  
matic  
Toaster**

**Two  
Slices  
at One  
Time**

Your Price

**10<sup>29</sup>**

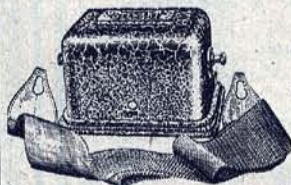
List Price \$15.00

Stock No. 1184

The moment the toast is ready it automatically falls open, away from the heat. No watching, no burning or drying out. Handles two slices at once and toasts them crisp outside, freshly soft inside. Has simplified, positive timing device, easily adjustable. A gem of simplicity, safe, easily cleaned, nothing to get out of order.

**Stewart Exerciser  
and Health Builder**

Just a few minutes a day of use promotes blood circulation, wakes up sluggish muscles and tissues, aids digestion and keeps one fit. Made by the makers of the famous Sunbeam line. Every home should have a Stewart.



Your Price

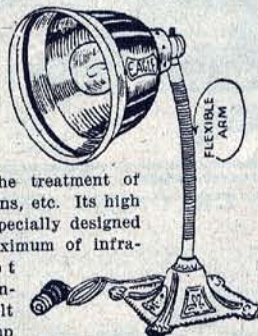
**38<sup>87</sup>**

List Price

\$59.50

Stock No. 1175

**Thera-  
peutic  
Table  
Lamp**



Recommended for the treatment of colds, aches, infections, etc. Its high powered lamp and specially designed reflector yield a maximum of infra-red rays. Six foot cord permits easy connection with 110 Volt D. C. or A. C. lamp socket.

Your Price

**5<sup>00</sup>**

List Price \$8.50

Stock No. 1179

**Therapeutic Lamp**

Your Price

**3<sup>82</sup>**

List Price \$6.50

Stock No. 1180

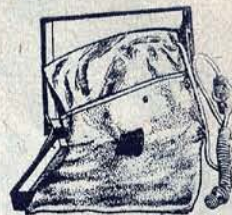


Same lamp as above, but fitted with table stand and flexible arm. Beautifully finished in white enamel. Complete with white silk cord & plug.

**Sunbeam Wetproof  
Heating Pad**

**3 Heat Switch**

This pad, when wet, cannot short circuit, therefore adaptable for wet packs or dry heat treatment. Has downy eiderdown cover with wetproof inner surface. Size, 12x15 inches. Widely used by physicians and hospitals.



Size 12x15 inches

List Price \$9.50

Your Price

**6<sup>21</sup>**

Stock No. 1172

Size 12x22 inches

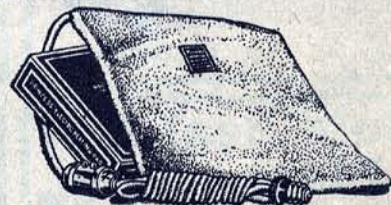
List Price \$11.00

Your Price

**7<sup>19</sup>**

Stock No. 1173

**Princess Electric Pad**



Equipped with two thermostat heat controls. Has soft gray eiderdown cover—flexible and comfortable. Slip-cover is washable.

List Price \$6.00

Your Price **3<sup>92</sup>**

Stock No. 1174

**Drake  
Vibrator**



Magnetic type and noiseless. Includes three different types of applicators, seven foot cord and plug. All packed in an attractive carrying case. Guaranteed for five years. For alternating current only.

Your Price

**6<sup>50</sup>**

Stock No. 1181

List Price \$10.00

**Gold Seal  
Bowl Heater**

A wonderfully efficient heater. 14 inch copper reflector casts off surprising degree of heat. Cone shaped nichrome element. Bronze finished heavy iron base.

Your Price **3<sup>19</sup>**

List Price \$5.00

Stock No. 1182\*

**Elements  
for Heater**

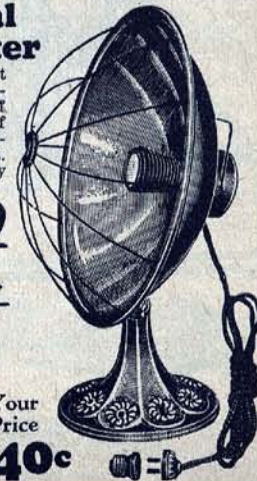
Heater elements for all standard heaters. Porcelain core, nichrome wire.

List Price 60c

Stock No. 1183

Your Price

**40c**





### Gold Seal Waffle Iron

A very popular waffle iron. Has cast aluminum grids and ebony fittings. Nichrome element. Drip pan catches falling batter. Makes waffles 7/4 inches in diameter.

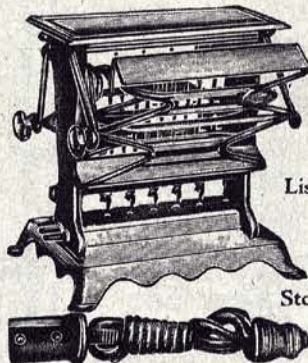
Your Price

**5<sup>10</sup>**

Stock No. 1185 List Price \$8.00

### Gold Seal "Big Boy" Reversible Toaster

Two slices toasted at once. Has clever turning arrangement. Nichrome heating element. Lots of service in this Toaster.



Your Price

**2<sup>55</sup>**

List Price \$4.00

Stock No. 1186

### Waffle Iron, Toaster Grill and Table Stove



Here's a very ingenious combination of four appliances in one. Full heat disc stove and toaster. Quick heat for coffee, frying, etc. Makes 7/4 in. waffles without grease or smoke. Large broiling pan for steaks, chops, bacon. Highly polished nickel over copper base.

Your Price

**7<sup>65</sup>**

Stock No. 1187 List Price \$12.00

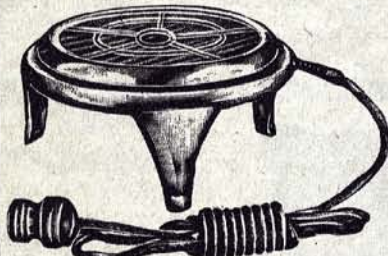
### Gold Seal Hot Plate

Your Price

**1<sup>47</sup>**

Here's quick heat for every household need. Is sturdy, equipped with nichrome element.

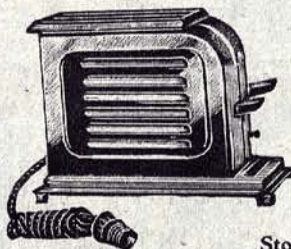
List Price \$2.30



Stock No. 1188

### TOASTMASTER Automatic Toaster

Everyone knows the famous Toastmaster. No watching, no turning. Shuts off automatically when toast is done. Toasts both sides at once to an even golden brown with that enclosed oven flavor.



Your Price

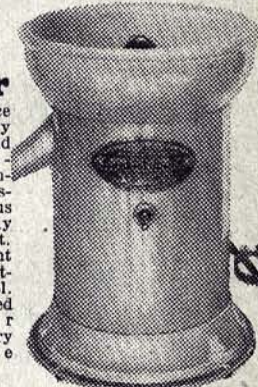
**9<sup>38</sup>**

List Price \$12.50

Stock No. 1189

### Sunkist Juice Extractor

Fresh orange juice for the family quickly, cleanly and economically produced with the Sunkist. No more fussing or laborious squeezing. Quickly saves its low cost. Connect to any light socket. Comes in attractive gray enamel. Easily disassembled for cleaning. For health's sake, every home should have one.



Stock No. 1192

List Price \$14.95

**10<sup>78</sup>**

### Coffee Percolator Model 21—8 Cup

Here's a standard 18 gauge aluminum percolator of best quality. Colonial style, beautifully polished. Has heavy duty element. Capacity 2 qts.

Your Price

**4<sup>67</sup>**

List Price \$7.00  
Stock No. 1190



### COLONIAL URN SET

A strikingly attractive set notable for its simplicity of design. Made by Hotpoint. Includes paneled sugar and creamer.

14-inch round tray to match the paneled Urn.

Your Price **18<sup>38</sup>**

List Price \$25.00  
Stock No. 1191



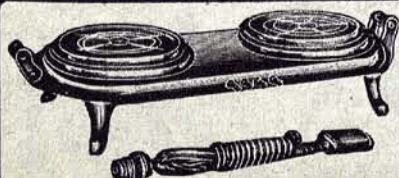
### Model 41 Percolator 8 Cup

It is made of pure heavy 20 gauge aluminum and is finished with specially prepared polish that holds its luster indefinitely. The capacity is two full quarts. Furnished complete with standard cord set. Fully guaranteed.

Your Price **2<sup>67</sup>**

List Price \$4.00

Stock No. 1193



### GOLD SEAL DOUBLE HOT PLATE

Has two heating surfaces heated by heavy duty nichrome wire.

Your Price

**3<sup>19</sup>**

Stock No. 1194

List Price \$5.00



### Automatic Timer for Electrical Appliances

Makes all electrical appliances automatic in operation. Shuts off current at any predetermined time from one minute to one hour. For use on toasters, percolators, washing machines, on anything that electricity operates.

Your Price

**5<sup>67</sup>**

List Price \$8.50 Stock No. 1195





## PERCO -O- Toaster

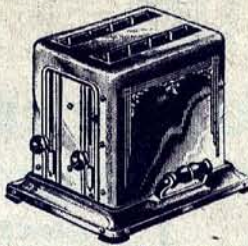
Percolator and toaster in one, can be used separately or together. Holds six cups of coffee. Toasts bread flat on both sides. Easily cleaned. Very attractive and durable. A very

unique appliance that will prove very useful in the home. Makes an unusual and much appreciated gift.

Your Price **7<sup>75</sup>**

List Price \$11.85  
Stock No. 1196

## THE TOASTWELL



An attractive nickel silvered toaster with colored handles and silk cord. Toasts two slices on both sides at once. Well constructed to give lasting service. Toasts bread quickly to a beautiful brown without drying out the inside of the slice. The Toastwell is recommended to those who want a quality appliance.

Your Price **4<sup>33</sup>**

Stock No. 1197

List Price \$6.50

## Eggs Electrically Boiled By Steam

Cooks 4 eggs automatically by electricity in five steam tight at your table. No waiting for hot water. Starts to cook in five steam in five seconds. When the water is gone, the current is off and your eggs are as you like them. In addition to boiling, this new appliance will poach, steam, fry and scramble. Can be taken apart and cleaned easily. Artistically designed, tastefully colored and topped by a flashing silver like dome. Full instructions with each cooker.



Your Price **3<sup>78</sup>**

Stock No. 1198

List Price \$5.50

## POLAR CUB MIXERS

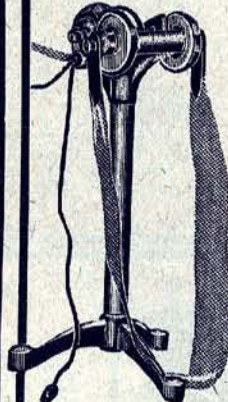


Just the device for mixing drinks, whipping cream, beating eggs, making mayonnaise, etc. Finished in gray enamel with blue handle.

Stock No.	List Price	Your Price
1199. Junior Size.	\$4.95	<b>3.68</b>
1200. Senior Size.	7.50	<b>5.15</b>

## INVIGORATOR AND REDUCER

### A Fountain of Youth



The Ponce-de-Leon provides a vibratory massaging movement that is either a soothing massage or vigorous exercise. Sluggish circulation is enlivened. Flabby muscles strengthened. Fatigue, toxins eliminated. Excess fat readily disappears while you are building muscle and fibre. Many nerve trying ailments have yielded to the regular use of this remarkable masseur. A splendidly constructed instrument that will repay itself countless times in the benefits it offers.

Your Price **33<sup>25</sup>**

List Price \$70.00 Stock No. 1201

## Modernistic Smoker's Stand

### With Electric Cigar Lighter

Here's the last word in a smoker's stand—every inch of it modernistic. Not only beautiful but equipped with many accessories. Has a Cuno electric lighter, two ash trays, match box holder and cigarette jar. Choice of a beautiful Olive Green or Mandarin Red Lacquer.



Your Price

**8<sup>10</sup>**

List Price \$15.00  
Stock No. Green 1202  
Stock No. Red 1203

## Clements Roto Brush Ball Bearing Electric Cleaner

List Price \$36.75

Your Price

**25<sup>75</sup>**

Stock No. 1204



Revolving brush type which not only picks up surface litter but deep cleans as well thru a suction action. Has no belts, gears or other complicated mechanism. Air-cooled motor is oversized and exceptionally powerful. Ball bearing construction reduces vibration and assures long life. Light in weight, 11 1/2 lbs. Easy to handle.

Attachments List Price \$8.00

Your Price **4<sup>50</sup>**

Stock No. 1205

## Clements Jewel Ball Bearing Vacuum Cleaner Suction Type



Your Price

**25<sup>75</sup>**

List Price \$36.75  
Stock No. 1206

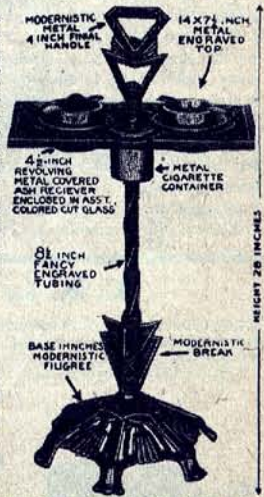
Produces a tremendously powerful suction that "air washes" the thickest of rugs and fabrics. Air-cooled oversize motor. Ball bearing, non-oiling construction. Weighs only 11 1/2 lbs. Has adjustment for raising or lowering nozzles to right weight for carpet or hard surfaces. All castings are highest quality aluminum. Leak proof dust bag. Tapered nozzle points get everywhere. Double action floor polisher which fits over nozzle used for polishing floors. Approved by Good Housekeeping Magazine, Underwriters Laboratories, etc. A fine machine and a real buy.

Attachments as Shown  
Stock No. 1205

Your Price **4.50**  
List Price \$8.50

## SMOKER'S STAND In the Latest Modernistic Design

A mighty fine value in a modernistic smoking stand with many features as described. An attractive addition in any home and a great convenience, too. Available in olive green or mandarin red.



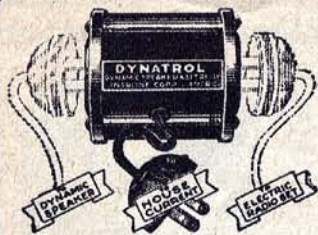
List Price \$10.00

Your Price

**5<sup>88</sup>**

Red Finish Stock No. 1207  
Green Finish Stock No. 1208

**WHOOPEE**  
SMOKER with  
Humpty-Dumpty TRAYS



Your Price  
**1.47**  
List Price  
\$2.50  
Stock No. 230

### Dynatrol Dynamic Speaker Radio Relay—Entirely Automatic

The Dynatrol makes your set entirely automatic. Filament switch operates power supply and speaker. Operates automatically. Simply plug Dynatrol into the wall socket and plug in speaker and set as shown in illustration. Eliminates danger of forgetting to turn off power on speaker.



## PRODUCTS



Your Price  
**8.82**  
List Price \$15.00  
Stock No. 231



### Banish Electric Line Noises

Filters out the distortions, the clicks, rattles, crackles, and din caused by apparatus which is operated from the same electric trunk line as Electric Radio Sets or Eliminator Sets. Vacuum Cleaners, Oil Burners, Telephone Bells and Dials, Elevators, Electric Refrigerators, Flashing Signs, Player Pianos, Sewing Machines, Vibrators, etc.—all appliances operating in or near your home are contributing causes of distorted reception or annoying noises emitted from the loud speaker. Filtervolt banishes the noise and produces pure, clear, quality reception.

### RESISTOVOLT—Automatic Voltage Control

RESISTOVOLT automatically protects AC tubes from blowouts caused by line surges and overloading. Also acts as a fuse in case of short circuit thus protecting set wiring as well as the tubes. RESISTOVOLT plugs into house current outlet—set plug, plugs into RESISTOVOLT. Housing body made of perforated Japanned metal with nickel plated end pieces.

Stock No. Made in Two Models—

- 232 LIGHT DUTY "RESISTOVOLTS" for sets consuming up to 125 watts.
- 233 HEAVY DUTY "RESISTOVOLTS" for sets consuming up to 250 watts.

Your Price



**1.03**  
List Price \$1.75

### FILTERVOLT Jr. Light Duty Noise Eliminator

Eliminating the more common disturbances from household appliances like vacuum cleaners, sewing machines, electric fans, electric heating pads, cash registers, switching "on and off" of lights, electric toasters, floor polishers, drink mixers, massage machines, hair dryers and all appliances using small motors. For most types of common interference FILTERVOLT JR. merely plugged into the wall socket between the line current and set will eliminate the disturbance.

Your Price

**1.77**  
List Price \$3.00  
Stock No. 234



Your Price  
**2.80**  
List Price \$4.75  
Stock No. 235

### Potter Dynamic Speaker Filter

Gives "Hum-Free Reception" from AC operated dynamic speakers. The Potter Dynamic Speaker Filter silences the bothersome hum which is present in the AC operated dynamic speaker using the low voltage type rectifiers, such as the Westinghouse, Kuprox, Elkon and other dry type rectifiers. All that is necessary is to connect the two leads provided on the Potter Dynamic Speaker Filter to the output of the rectifier and across the dynamic speaker field.

### POTTER Interference Eliminator

Eliminate power line noises which enter the radio set through the power pack or battery eliminator by connecting one of these units to the service cord.

Stop the electrical disturbances caused by the modern electrical conveniences, such as ice machine motors, vacuum cleaners, fans, oil burners, which works on either AC or DC current.

Connection is made to the interference device with the three leads provided as part of the unit. Two of the leads are to be connected at the point where supply line circuit is connected and the center lead to a good ground.

For 110 Volt AC or DC Operation. Can size, 1 1/2" x 2 3/4" x 4 1/2".

Your Price  
**2.21**  
List Price \$3.75  
Stock No. 236



For 220 Volt AC or DC Operation. Can size, 2" x 2 3/4" x 4 1/2".

Your Price  
**3.82**  
List Price \$6.50  
Stock No. 237

### X-L Sentinel Time Switch

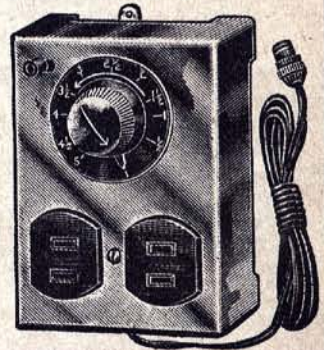
A practical device designed to shut off your radio after any pre-determined period of time up to 5 hours. For use with AC or DC electric sets or sets using A and B eliminators.

Affords double socket outlet for radio receiver and reading lamp. Absolutely automatic and fool proof.

Has by-pass switch for use of receiver without use of time switch.

Can also be used to decided advantage on window display and small neon signs. Usual X-L guarantee.

Your Price  
**3.97**  
List Price \$6.75  
Stock No. 238



### C. R. L. Modulator Plug

Marvelous control for volume and tone, on any receiver. Installed without tools. Reduces static and other noises. Turning the small knob can change volume from a roar to a tiny whisper. Stations come in clear and strong.



Cord Type  
Your Price  
**1.47**  
List Price \$2.50  
Stock No. 245

Plug Type  
Your Price  
**1.47**  
List Price \$2.50  
Stock No. 246

### AMERICAN Extension Cord and Plug

For securing reception at points distant from the set. Comes complete with cord and plug in the following lengths.

Stock No.	Length, Ft.	List Price	YOUR PRICE
240	10	\$1.00	\$0.42
241	20	1.25	.52
242	30	1.50	.65
243	50	2.00	.98

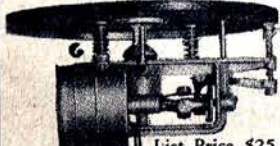


## Pacent New Electric Phonograph Motor

### Induction Type

Provides an excess reserve power beyond ordinary needs. Dynamically balanced rotor eliminates vibration. Phosphor bronze bearings. Micrometer-type speed regulator. Die-cast main frame. Absolutely insulated against noise throughout. Operates on 110 volts—50 or 60 cycles AC. Due to large scale production in the new and modern

Pacent plant, it is available at the lowest price ever offered for a high class motor. Includes 12 in. Turn Table as pictured.



List Price \$25.00  
Stock No. 330

Your Price  
**1470**

## Motors, Pick-ups Phones, Units

### Erla Electric Pick-up

Highly sensitive electro-magnetic pick-up for use in conjunction with radio receivers. No changes necessary in either phonograph or radio receiver. Either can be operated independently of the other. The electro-magnetic pick-up, tone arm and volume control are combined in a single unit. It is easily attached. For AC or DC Receivers. Specify type wanted.

Your Price  
**882**

List Price \$15.00  
Stock No. 331



Your Price  
**2058**  
List Price \$35.00  
Stock No. 332

### Bodine Electric Turntable

Designed to meet the demand for a reliable noiseless and absolutely non-interfering electrically operated turntable for phonographs and radio-phonograph combinations. Electric Turntable is operated by small single-phase induction motor, suspended on spring mounting. RC-10 for AC 60 Cycle 110 Volt complete as pictured.

## National Tone Filter

The plate voltages now required with either the UX-171, UX-112 or UX-210 Power Tubes, for fine quality of reproduction range from 180-volts upward. Dimensions: 2 1/2 in. wide by 4 in. deep, 3 3/4 in. high.

Your Price with Cord  
**446**

List Price \$7.00  
Stock No. 336



Type 250—Designed for use with the UX-250 and CX-350 Power Amplifier Tubes. The impedance employed in this Tone Filter is designed to carry a current of as much as 100 mill-amperes.

Your Price with Cord

**542**

Stock No. 337  
List Price \$8.50

## National Scratch Filter

The purpose of the NATIONAL Scratch Filter is to reduce the "needle scratch" heard from the loud speaker when using one of the several types of electrical phonograph pick-ups in conjunction with an audio frequency amplifier for playing phonograph records electrically. The terminals of the filter are connected across the output of the pick-up.

Your Price

**350**

List Price \$5.50  
Stock No. 338



## Pacent New Super-Phonovox PICK-UPS



Type 106-A Super-Phonovox without tone arm for installation on portables or phonographs having conventional tone arms. Includes PHONOVOX head with swivel arm, AC and DC wafer adapters, volume control and instruction sheet. Statu-

Your Price

**706**

List Price \$12.00  
Stock No. 333

Type 106-B Super-Phonovox with new counterbalanced tone arm having "fold-back hinge" for easy insertion of needle. AC and DC wafer adapters, volume control and instruction sheet are included. Statu-

Your Price

**882**

List Price \$15.00  
Stock No. 334

Type 106-C Ultra-Phonovox includes ULTRA head attached to new counterbalanced tone arm in beautiful heavy gold finish. AC and DC wafer adapters, volume control, No. 60 autotap, instruction sheet and curve showing transmission units plotted against frequency are included. Motor switch in base of tone arm serves as automatic stop. Gold finish.

Your Price

**1470**

List Price \$25.00  
Stock No. 335

## Buckingham Phonograph Pick-up Model C-227



List Price \$19.00  
Stock No. 339

Your Price

**1117**

A unit of comparative low impedance, with high voltage output and uniform response over wide range of frequencies, giving definition that insures accurate, lifelike recreation of sound. Consists of Pick-up with tone arm, Volume Control and Adapter for AC or DC sets. Comes in AC or DC models. Specify type wanted.

## Genuine

*Nathaniel*  
**BALDWIN**  
RADIO PHONES



Constructed according to the exclusive Baldwin principles. Matched for tone, quality and sensitivity. Mica diaphragm.

Your Price

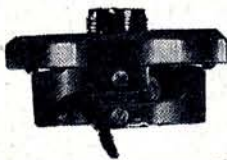
**471**

List Price \$8.00  
Stock No. 340

## Baldwin Units

For use in converting consoles and phonograph sounding box into loud speaker. Precision instruments give faithful reproduction of all notes. Screw thread.

Stock No.	Unit	List Price	Your Price
341	Concert	\$8.00	\$4.71
342	Rival	6.00	3.53



## B.M.'S HOME BROADCASTER



fool your friends—

be your own broadcaster

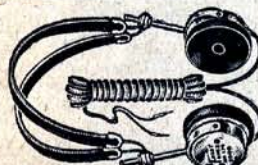
Pep up the party with the Home Broadcaster. Consists of microphone, long extension cord, and tube socket adaptor. Slip the tube out of the detector socket plug in the adaptor—run the extension cord, with the microphone, into another room, or a closet. Turn on your radio, ease out of the room, seize the Broadcaster and talk!

Your Price

**398**

List Price \$7.50

## FROST FONES



For testing radio parts or complete sets—for lining up condensers—for peaking intermediate transformers—the custom set builder will find a good pair of phones indispensable.

Stock No.	Type	Ohms	List Price	Your Price
345	174	2,000	\$3.00	\$1.77
346	175	3,000	3.50	2.06
347	172	3,200	6.00	3.53

Your Price  
**1.77**  
**2.06**  
**3.53**

## Loud Speaker Demonstrator



Your Price

**206**

List Price \$3.50  
Stock No. 348

For comparing four speakers, switching from one to the other without the loss of a single note. Dealers should have this device to demonstrate tone values of speakers.

# Utah Dynamic Speakers

## UTAH Dynamic Speakers

Can Be Furnished in 25 Cycles at the Same Price

## Utah Dynamic Dynola Table Speakers

With "33 A" Unit. For 110 Volt, 60 Cycle, AC Operation.

List Price \$55.00  
Stock No. 250

Your Price **32<sup>34</sup>**

With "43 D" Unit. For 90 to 110 volt DC Operation.

List Price \$47.50  
Stock No. 251

Your Price **27<sup>93</sup>**

With "53 R" Unit. For Volt Storage Battery Operation.

List Price \$47.50  
Stock No. 252

Your Price **27<sup>93</sup>**



The well known Utah Dynamic, a favorite for fine tone. Cabinet of 5 ply walnut with Burl front. Non-directional design, having same grille and appearance front and back. 16 in. wide, 12 1/2 in. high, 11 in. deep. Equipped with 10 ft. cord and switch.



## Model 65

## UTAH Dynamic Speakers

With "33 A" Unit. For 110 Volt, 60 Cycle, AC Operation.

List Price \$42.50  
Stock No. 253

Your Price **24<sup>99</sup>**

With "43 D" Unit. For 90 to 110 Volt DC Operation.

List Price \$35.00  
Stock No. 254

Your Price **20<sup>58</sup>**

With "53 R" Unit. For 6 Volt Battery Operation.

List Price \$35.00  
Stock No. 255

Your Price **20<sup>58</sup>**

An attractively designed table Dynamic Speaker. Front and back have same grille and appearance. Equipped with 10 ft. power cord and switch.

made of beautifully finished walnut plywood. Height, 11 1/2 in.; width, 15 in.; depth, 10 in.

## UTAH 9 Inch Balanced Shielded Dynamic Chassis

The highest development in the science of sound reproduction. Will handle volume with quality of tone.

Utah built means quality built. Every detail of this shielded Dynamic is expertly worked out assuring constant satisfaction.

Model 83A. For 110 volt AC current light socket supply for field excitation using Westinghouse Rectox Rectifier. 9 3/4 in. high, 9 3/4 in. wide and 7 1/4 in. deep.

List Price \$30.00  
Stock No. 256

Your Price **17<sup>64</sup>**

Model 43D. For 110 volt DC current for field excitation—field 2500 ohms. 9 3/4 in. high, 9 3/4 in. wide and 7 1/4 in. deep.

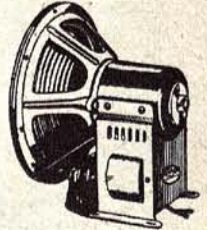
List Price \$22.50  
Stock No. 257

Your Price **13<sup>23</sup>**

Model 53R. For 6 to 12 volts DC current for field excitation. Operates from A battery. Current consumption .5 to 1 ampere. 9 3/4 in. high, 9 3/4 in. wide and 7 1/4 in. deep.

List Price \$22.50  
Stock No. 258

Your Price **13<sup>23</sup>**



## UTAH 12 1/4 Inch Stadium Dynamic

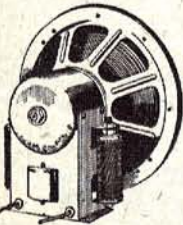
Built to handle large output. For home, theatre, hall or outdoor use. For 110 AC—25-60 cycles. Equipped with Westinghouse full wave high voltage rectifier. 12 1/4 in. wide, 12 1/4 in. high, 18 in. deep. Model 66A

List Price \$45.00

Stock No. 259  
Your Price **26<sup>46</sup>**

Model 76D  
Model 76D. For 110 to 220 DC operation. Field 2500 ohms. Diameter overall, 12 1/4 in. 12 1/4 in. high, 12 1/4 in. wide and 18 in. deep.

Your Price **20<sup>58</sup>**  
List Price \$35.00  
Stock No. 260



## UTAH X20 Balanced Power Inductor Table Speaker



Artistically made of genuine walnut plywood finished in antique brown. Equipped with the new Utah balanced power inductor chassis. Height, 10 1/2 in.; width, 12 in.; depth, 7 1/4 in.

List Price \$19.50  
Stock No. 261

Your Price **11<sup>46</sup>**

## UTAH MODEL M Balanced Power Inductor Chassis

For use in tone chamber in cabinet or console. Natural voice coil. Outside dimensions 9 in. Must be used with a baffle board.

Your Price **5<sup>88</sup>**

List Price \$10.00  
Stock No. 262



## UTAH DeLuxe UNITS

Utah units have the diaphragm connected to the armature through tripod arrangement, assuring faithfulness of reproduction.

DeLuxe Unit Tripod Construction

Your Price \$7.50  
Stock No. 263

Your Price **4<sup>41</sup>**

Standard Tripod Unit

List Price \$5.00  
Stock No. 264

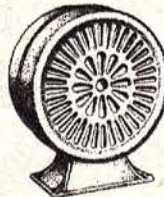
Your Price **2<sup>94</sup>**

Big Chief Unit  
List Price \$3.50

Your Price **2<sup>06</sup>**



## UTAH X15 Balanced Power Inductor Table Speaker



A beautiful cast aluminum housing with russet gold damascene finish. Equipped with the new Utah balanced power inductor chassis. Specifications—height, 11 in.; width, 9 in.; depth, 5 in.

List Price \$15.00  
Stock No. 266

Your Price **8<sup>82</sup>**

## WRIGHT-DeCOSTER

For Theatres and Public Address

Handles amplifiers having undistorted output up to 45 watts, more than twice that of 250 tubes in push-pull, without developing rattles. Great power without hum. 12 in. wide, 9 3/4 in. deep, 12 3/4 in. high, 10 in. cone requiring 10 1/2 in. baffle hole.

### Model 107

110 Volt AC—50-80 Cycle with Output Transformer.

Your Price **42<sup>63</sup>**

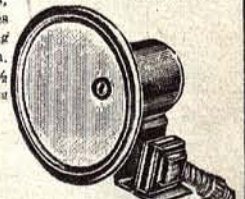
List Price \$72.50  
Stock No. 267

### Model 107B

110 Volt AC—25-40 Cycle with Output Transformer.

Your Price **42<sup>63</sup>**

List Price \$72.50  
Stock No. 268



## TEMPLE DYNAMIC

### Model 50



Embodies the dynamic or moving coil principle and operates from A. C. or storage battery. Encased in charming walnut cabinet. A fine quality instrument that will improve the

reception of any radio set.

Stock No.  
269—50—for A.C. 110 Volt, 60 Cycle  
270—Type 150—for 90 Volt D.C.  
271—Type 250—for 6 Volt D.C.

List Price \$39.00

Your Price **18<sup>85</sup>**

# Temple Speakers

## Air Column Model 17

The famous Temple exponential air column speaker. It has a center-line air column length of 54 inches and is equipped with the famous Temple Double Action Unit. It is brilliant in its response—faithful in its reproduction. Model 17 is 12 $\frac{3}{4}$  inches high, 11 $\frac{3}{4}$  inches wide and 8 $\frac{3}{4}$  inches deep.

Your Price **10<sup>00</sup>**

List Price \$17.00  
Stock No. 273

## TEMPLE MAGNETIC

An exceptionally well constructed speaker and an outstanding value at the price. The cabinet is of beautiful walnut and the grille is artistically designed. Embodies the magnetic principle of operation, producing a true, pleasing tone. For those who wish a low priced speaker and yet one that is attractive and with excellent reproduction qualities—we recommend this Temple Magnetic.



List Price \$20.00  
Stock No. 272

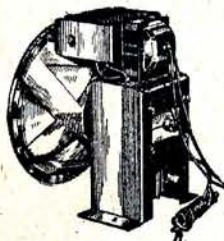
Your Price

**8<sup>85</sup>**

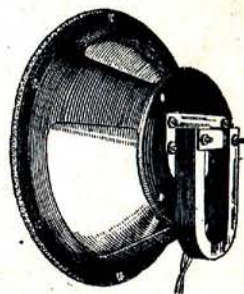
List Price \$29.00

Your Price

**17<sup>05</sup>**



## Temple Boxed or Bare Magnetic Chassis



## TEMPLE DYNAMIC CHASSIS

Temple Dynamic Chassis models are the same as the table models except that they are made solely for new console installations or replacements and carry no housing. They bring present receivers to 1930 standards for tone. Diameter of cone, 7 inches.

Stock No.  
274—Model 10, 110 volt A.C. 60 cycle  
275—Model 14, 110 volt Direct Current  
276—Model 16, 6 volt D.C. battery type  
277—Model 12, 110 volt A.C. 25 cycle

Model 8, 110 volt A.C. 60 cycle, with 10 inch cone

List Price \$35.00 Stock No. 278

Your Price

**20<sup>58</sup>**

## TEMPLE 14-Inch Auditorium Type

Model 7—110 Volt A.C. 60 cycle 14 in. cone

Stock No. 279  
List Price \$45.00

Your Price

**26<sup>46</sup>**

Designed for new console installations, or for replacements—for bringing the tone of older receivers up to 1930 standards. The two types differ only in the fact that one model is housed in a box baffle, while the other is the bare chassis. Both are complete and ready for installation and are equipped with the famous Temple Double Action Unit.

Model 5-C Bare Magnetic Chassis  
List Price \$12.00

Your Price

**7<sup>06</sup>**

Stock No. 280

Model 5-B Boxed Magnetic Chassis

List Price \$13.00

Stock No. 281

Your Price

**7<sup>64</sup>**

## TEMPLE MAGNETIC Speaker Model 5

Fills the demand where tone of the highest order is demanded, but where the matter of insufficient receiver power or taste makes the purchase of a dynamic speaker inadvisable. True response, natural and pleasing tone. Encased in a genuine walnut cabinet artistic and dignified lines. Equipped with the Temple Double Action Unit. 11 $\frac{3}{4}$  inches high, 10 $\frac{3}{4}$  inches wide and 8 $\frac{3}{4}$  inches deep. The base measures 11 $\frac{3}{4}$  inches wide and 7 $\frac{3}{4}$  inches deep.



Your Price

**11<sup>76</sup>**

List Price \$20.00 Stock No. 282

## Temple Double Action Unit

True response, natural and pleasing tone. These units will stand up under enormous volume.

Your Price

**3<sup>53</sup>**

Stock No. 283



List Price \$6.00

## TEMPLE Dynamic Speaker

Stock No.  
284—Model 2, 110 volt A.C. 60 cycle  
285—Model 4, 110 volt D.C.  
286—Model 0, 110 volt A.C. 25 cycle

All semblance of line hum has been eliminated. A two-tone switch allows for reception with predominating bass or for reproduction in natural tone values.

Temple Dynamics are encased in genuine walnut. 13 $\frac{3}{4}$  inches high, 10 $\frac{3}{4}$  inches wide and 8 $\frac{3}{4}$  inches deep.

Your Price

**22<sup>93</sup>**

List Price \$39.00





## MUTER Table Type

### Cabinet Dynamic Speakers

The Muter Ultra dynamic faithfully reproduces high and low frequencies without over-emphasizing either. Voice or musical instruments are free from "drummy" effect. Has input transformer. Cabinet is of attractively finished walnut and of modern designing. Inside dimensions are 12 in. wide, 11 3/4 in. high, 8 3/4 in. deep.

With 4610 Unit for  
110 Volt 60 Cycle  
A.C. Operation  
Your Price

With  
280  
Tube **26<sup>49</sup>**  
List Price \$42.50  
Stock No. 290

With 4690 Unit for  
90 Volt D.C. Opera-  
tion

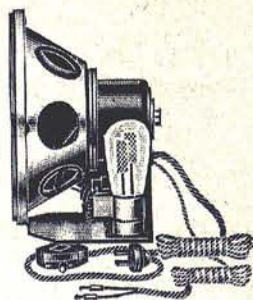
Your Price **23<sup>52</sup>**  
List Price \$40.00  
Stock No. 291

# MUTER Ultradynamic Speakers

## MUTER 3 Types

### Dynamic Units

Bring your old set or cabinet up to date by installing this latest type Muter Dynamic Chassis. Has unusual sensitivity, reproduces all tones with absolute fidelity. Well constructed and a quality job throughout.



Type 4610 Unit for  
110 Volt 60 Cycle  
A. C. Operation  
Your Price

With  
280  
Tube **17<sup>67</sup>**  
List Price \$27.50  
Stock No. 293

Type 4690 Unit for  
90 Volt D.C. Opera-  
tion

Your Price **14<sup>70</sup>**  
List Price \$25.00  
Stock No. 294

Type 4606 Unit for  
6 Volt D.C. Opera-  
tion

Your Price **13<sup>23</sup>**  
List Price \$22.50  
Stock No. 295

## JENSEN Concert Dynamic Chassis With 10 Inch Cone

Here's real workmanship and design in accordance with the best of modern radio science.

Model D7 A.C.  
110 Volt A.C. 60  
Cycle

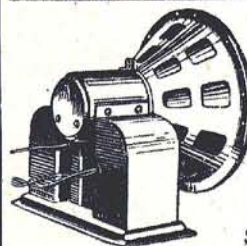
Your Price  
**20<sup>58</sup>**

List Price \$35.00  
Stock No. 298

Model D7 D.C.  
Unit 110 Volt  
D.C.

Your Price  
**16<sup>17</sup>**

List Price \$27.50  
Stock No. 299



Model D7  
D.C. Unit  
220 Volt  
D.C.

Your Price  
**16<sup>17</sup>**

List Price  
\$27.50  
Stock No. 300



## JENSEN Imperial Dynamic Speakers

This beautiful reproducer can be had with Concert or Auditorium Dynamic Units, one for the home, the other for large halls. For true reproduction of the original broadcast—the Jensen is without a peer.

With Model DA5 A.C.  
Unit (Auditorium Chas-  
sis) 110 Volt A.C. 60  
Cycle

With 280  
Rectifier  
Tube  
Your Price  
**60<sup>57</sup>**

List Price \$100.00  
Stock No. 296

With Model D7 A.C.  
Unit (Concert Chassis)  
110 Volt A.C. 60 Cycle

Your Price  
**47<sup>04</sup>**

List Price \$80.00  
Stock No. 297

## JENSEN Auditorium Dynamic Chassis With 12 Inch Cone



This chassis is de-  
signed for use in  
large halls or the-  
aters. Gives enor-  
mous volume and  
retains all the  
clearness of the  
tone.

Model DA5 A.C.  
for 110 Volt A.C.  
60 Cycles  
Your Price

**41<sup>16</sup>**

Less 280 Tube  
List Price \$70.00  
Stock No. 302

Model DA5 Unit  
for 220 Volt D.C.  
Your Price

**32<sup>34</sup>**

List Price \$55.00  
Stock No. 301

Model DA4 Unit  
for 110 Volt D.C.  
Your Price

**32<sup>34</sup>**

List Price \$55.00  
Stock No. 303

## JENSEN Standard Dynamic Speakers

Handsome two-tone walnut cabinet equipped with 8 inch standard Dynamic Chassis as pictured below.

D64 AS with D4 A.C.  
Unit for 110 Volt A.C.  
60 Cycle

Your Price **29<sup>40</sup>**  
List Price \$50.00  
Stock No. 304

D65 with D5 Unit for  
90 to 120 Volts D.C.

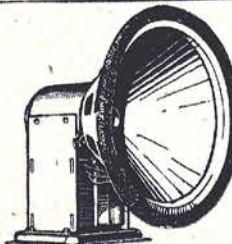
Your Price **24<sup>99</sup>**  
List Price \$42.50  
Stock No. 305

D64 with D4 Unit for  
6 Volt D. C.

Your Price **24<sup>99</sup>**  
List Price \$42.50  
Stock No. 306



## JENSEN STANDARD DYNAMIC UNITS



The Jensen Standard Dynamic Units are offered in three types. The sound reproducing mechanism is identical, the difference being in the voltage used to energize the magnetic field.

Model D4 A.C. Unit for  
110 Volt A.C. 60 Cycles

Your Price  
**19<sup>11</sup>**

List Price \$32.50  
Stock No. 307

Model D5 Unit for 90 to  
120 Volts D.C.

Your Price  
**14<sup>70</sup>**

List Price \$25.00  
Stock No. 308

Model D4 Unit for 6  
Volt D.C.  
Your Price

**14<sup>70</sup>**

List Price \$25.00  
Stock No. 309

# MAGNAVOX

## X Core

### Dynamic Speakers and Cabinets

X-Core construction means full driving power to moving coil. No losses to affect balance. Full absorption of AC hum. No muffling of tone values. Balanced mounting and perfect non-resonance of spider-control of moving coil. Metal lock construction of cone-to-moving-coil. Every part is of best quality and expertly assembled.

#### The CAMPANILE

##### Magnavox Cabinet Only

Your Price  
**2352**

List Price \$40.00  
Stock No. 310

A handsome, massive, richly carved Italian Cabinet of fine Walnut. Skillful workmanship, masterly designing. A fine, rare bit of furniture for any home. 32 inches high, 14 inches deep, 27 1/4 inches wide. See Unit Prices at right and add cost of Dynamic Speaker desired.

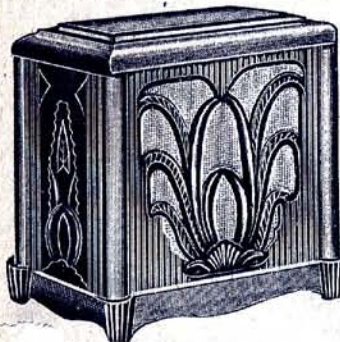
#### The STRATFORD

##### Magnavox Cabinet Only

Your Price  
**1764**

List Price \$30.00  
Stock No. 311

A splendid Walnut Console of charming line and exquisite detail. Panels are of lacewood, rare and beautiful. Accommodates any table radio set, nicely harmonizing in effect. 25 3/4 inches wide, 14 1/4 inches deep, 29 1/4 inches high. See Unit Prices below and add cost of Dynamic Speaker desired.



#### Magnavox Carillon Cabinet Only

A strikingly different Italian finished Walnut Cabinet, richly carved and handsome. 14 1/2 inches high, 14 1/4 inches wide, 10 1/2 inches deep.

See Unit Prices at right and add cost of Dynamic Speaker desired.

Your Price  
**1029**

Stock No. 312  
List Price \$17.50



#### MAGNAVOX DYNAMIC CHASSIS

All AC Units are equipped with Dry Type Rectifier and plugs directly into lighting socket.

Stock No.	Type	Cone Dia.	FOR	List Price	YOUR PRICE
313	106	7 1/2	110-190 V. DC	\$21.00	\$12.35
314	107	10 1/2	110-190 V. DC	23.00	13.53
315	201	10 1/2	6-12 V. DC	24.00	14.12
316	400	7 1/2	105-120 V. AC, 60 Cycle	31.00	18.23
317	401	10 1/2	105-120 V. AC, 60 Cycle	33.00	19.40
318	402	7 1/2	105-120 V. AC, 25 Cycle	32.00	18.82
319	403	10 1/2	105-120 V. AC, 25 Cycle	34.00	20.00

To Get Complete Price of Any Speaker, Add Chassis Price to Cabinet Price

#### PEERLESS MAGNETIC

##### Speaker, Model 7A

Housed in a mahogany cabinet of Gothic design. Finished in rich brown. Size: 12 1/2 inches high; 11 1/2 inches wide and 7 inches deep. Unit is assembled on solid pressed steel frame and secured in cabinet with necessary screws from the bottom.

Your Price

**14<sup>70</sup>**

List Price \$25.00 Stock No. 321



#### PEERLESS DYNAMIC

##### Model 19A 9" Cone

##### 110 Volt 60 Cycle AC

Made of walnut, beautifully carved, with a graceful triple arch grill. Hand finished in rich brown tones.

Size: 16 1/2 inches high; 14 1/2 inches wide; 10 1/2 inches deep. Diameter of cone, 9 inches.

Power transformer and rectifier are assembled as a unit with Chassis. Equipped with 8 feet of power cord with plug and switch, and 8 feet of speaker cord with phone tips.

Your Price

**29<sup>40</sup>**

List Price \$50.00  
Stock No. 320

#### PEERLESS DYNAMIC

##### Model 17A 110 Volt AC 50-60 Cycles

Gothic Mahogany cabinet hand finished in rich brown. Size: 14 1/2 in. high; 12 1/2 in. wide; 9 1/2 in. deep. Power Transformer and Rectifier assembled as unit with Chassis. Equipped with eight feet power cord with plug and switch, and 8 feet speaker cord with phone tips.

List Price \$45.00  
Stock No. 322

Your Price  
**26<sup>46</sup>**



#### UTAH Series 500 Horns with DeLuxe Unit

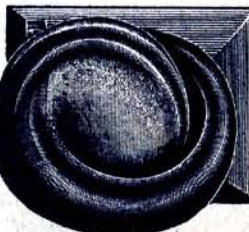
With Utah DeLuxe Units 500 Series Horn possesses extra long air column which results in tone purity. Reproduces all tones of the orchestra and inflection of the human voice with natural fidelity.

Front area, 19x34 in.; depth, 12 1/2 in.; air column, 136 in.

List Price \$22.00

Your Price

**12<sup>94</sup>**



#### PEERLESS DYNAMIC CHASSIS

Model 17CR60  
7" Cone  
110 Volt AC 60 Cycle  
List Price \$30.00

Your Price  
**1764**

Stock No. 323

Model 19CR60  
9" Cone  
110 Volt AC 60 Cycle  
List Price \$35.00

Your Price  
**2058**

Stock No. 324

#### PEERLESS Magnetic Chassis

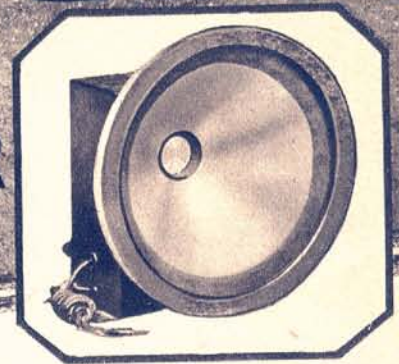
7" Cone—7B  
Mounted in Square Baffle Box  
Stock No. 325

Your Price  
**823**

List Price \$16.00

# Screen Grid

## 8 tube with SUPER DYNAMIC SPEAKER



**Supplied With All Westrad Radio Sets Shown on Pages 63 to 68**

**R. C. A. Licensed**

Westrad 8-tube chassis are licensed under Radio Corporation of America patents embodying the newest engineering developments known to world's leading Radio Engineers. It brings in remote stations clearly and is super-selective and clear on powerful nearby stations.

**Completely Shielded**

The Westrad screen grid chassis is both mechanically and electrically completely shielded. All parts are enclosed and protected from dust and moisture. The set is electrically shielded by its special design.

**All Electric—105-120 Volts AC 50-60 Cycles**

EVERY radio feature that is modern and desirable is included in the Westrad 8-tube screen grid chassis, built under patent licenses of Radio Corporation of America. The screen grid principle in radio reception is taking this country by storm. It makes possible perfection in tonality and selectivity heretofore impossible. Perfection in selectivity is obtained in this screen grid chassis by the use of four tuned stages and complete electrical shielding. Every section of the large four-gang tuning condenser as well as each radio frequency coil and screen grid tube are individually and completely shielded and electrically isolated. The power output stages consist of two UX24 power tubes in push-pull arrangement, that will handle without any distortion more power than an ordinary speaker will accommodate. This marvelous chassis will develop full loud speaker volume when only seven-millionth of one volt is impressed on an antenna only three feet long.

**Four Screen Grid Tubes**

THERE are four of these newest type UX224 screen grid tubes used. Three of these are used as radio frequency amplifying stages, the other is used as screen grid power detector. This results in sensitivity greater than required to bring in distant stations. Operation is very simple, there are only two controls.

If you have your own cabinet and desire to equip it with Westrad screen grid chassis and Super Dynamic Speaker, order speaker and chassis as illustrated, easily installed.

**Your Price \$55<sup>95</sup>**  
List Price \$101.50  
Style No. 140

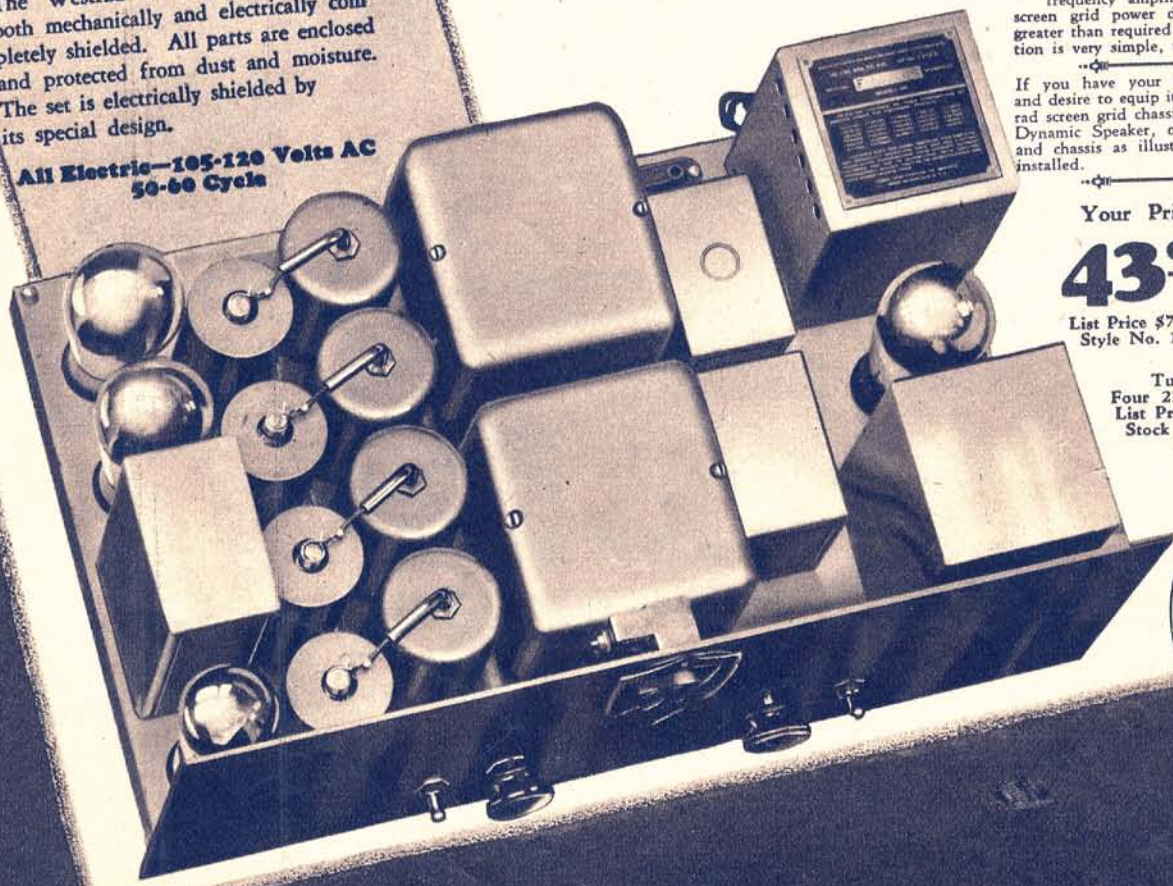
**Your Price**

**43<sup>95</sup>**

List Price \$76.50  
Style No. 142

You can order Westrad chassis only, to fit your present cabinet, giving you latest AC screen grid reception. Chassis with metal front panel 18 inches wide, 7 inches high, 11 inches deep. Important—specify type of speaker to be used with.

**Tubes for Screen Grid Chassis:**  
Four 224, one 227, two 245, one 247  
List Price \$28.50      Your Price | **14<sup>95</sup>**  
Stock No. 141



CHASSIS ONLY  
**\$43<sup>95</sup>**  
LIST \$76<sup>50</sup>



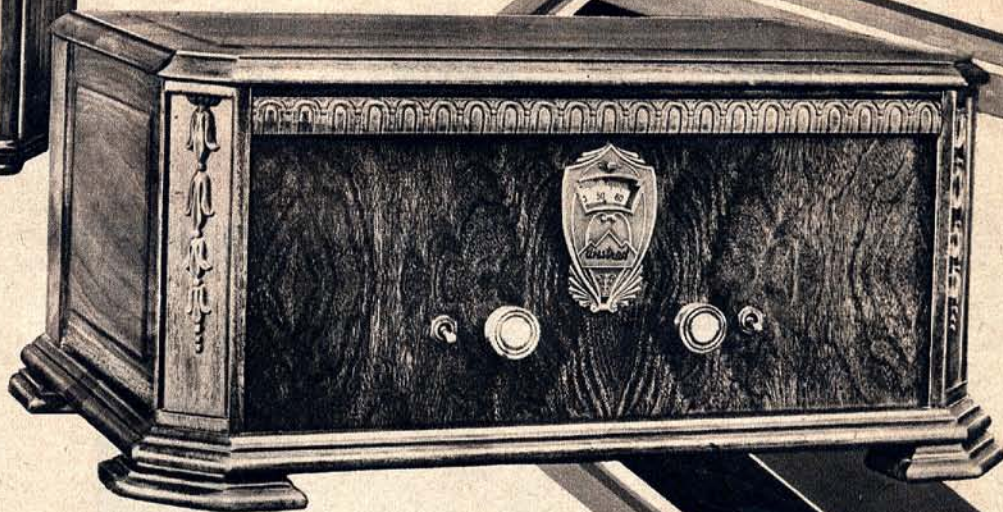
# Westrad's 8 Tube TABLE MODEL

Screen  
Grid



## Super Dynamic Speaker in Walnut Cabinet

The table model screen grid 8-tube Westrad comes with Super Dynamic Speaker in handsome period design walnut cabinet to harmonize with the receiver. Tone quality and volume range unsurpassed.



## Compact, Efficient and Attractive

THIS is the new design screen grid 8-tube Westrad radio receiving set. Offers everything in reception and tone quality that the most costly set can offer, combined with compactness and low cost. Cabinet is in genuine Walnut veneer with beautifully modeled ornamental moulding and corner ornaments. Will go nicely on any table or stand and harmonize with other furnishings.

The chassis is the famous screen grid 8-tube Westrad receiver, embodying the newest radio features and built under license from Radio Corporation of America radio patents. This set offers splendid opportunity for enjoying the best in radio at moderate cost. It possesses selectivity, great distance range and superb tone quality. Size of cabinet 23" wide, 10½" high, 14" deep.

The above set, with screen grid 8-tube Westrad chassis as illustrated, with Super Dynamic loud speaker in separate cabinet, less tubes.

Your Price

**\$68<sup>40</sup>**

Style No. 138

List Price. \$121.50

## Four 224 Screen Grid Tubes

THE exceptional tone quality and dependable selectivity possessed by this screen grid set are enhanced by the four UX224 screen grid tubes used. Three of these marvelously sensitive tubes are used as radio frequency amplifying stages. The fourth tube is used as a screen grid power detector. This combination results in super-sensitivity more than sufficient to bring in the most distant station and in tone accuracy and tone beauty. Compact as this set is, still it possesses all the best and newest radio features. Very simple to operate, there are only two controls. One for tuning and the other for volume. Complete description of chassis on page 62.

All Electric, 105-120 Volts A C  
50-60 Cycle

The receiver as illustrated above with screen grid 8-tube Westrad Chassis, only *without* Dynamic speaker or tubes. Specify type of speaker this set is to be used with.

Your Price

**\$52<sup>95</sup>**

List Price \$91.50  
Style No. 139

## Licensed by R. C. A.

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price, \$55.90. Specify when ordering.

The receiver as above illustrated with screen grid 8-tube Westrad chassis and Super Dynamic loud speaker in separate cabinet, including 8 tubes and aerial equipment, ready for operation.

Your Price

**\$83<sup>40</sup>**

Style No. 137

List Price \$151.50

# 8-Tube SCREEN GRID CONSOLE

## With Super Dynamic Speaker

R. C. A.  
Licensed  
245  
Push-Pull

Four 224  
Screen Grid  
Tubes

ONE of the most popular models of the season is this Low Boy. This handsome console with its Screen Grid chassis and Super Dynamic Speaker offers you a combination of beauty, utility and value nowhere else to be found. On page 62 you will find illustrations and descriptions of the chassis used on this console. It employs four of the new 224 screen grid tubes that are creating such sensation for their detection and sensitivity. This combination of screen grid amplification produces a sensitivity far beyond that normally required to bring distant stations. You will appreciate the entire absence of hum. The Mer-shon condenser and heavy duty choke coils eliminate AC hum. The highly efficient Super Dynamic Speaker is built into the console and is another reason for this set's wonderful tone. Size 38" high, 26 $\frac{3}{4}$ " wide, 18" deep.

Console including Super Dynamic Speaker, less tubes. **Your Price** **\$71<sup>75</sup>**  
Style No. 135  
List Price \$136.50

**Your Price** **\$86<sup>75</sup>** Console, Super Dynamic Speaker, 8 tubes and aerial equipment, ready for operation.  
Style No. 136  
List Price \$166.50

**ALL Electric  
Operation, 105-120 Volts  
50-60 Cycle**

Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt stepdown transformer. Your price, \$5.90. Specify when ordering.

*Beauty Combined With Efficiency*

# A Charming 8-Tube Console

## Screen Grid

### With Super Dynamic Speaker

THIS console priced at \$85.25 net is the outstanding value of the Westrad line of all electric receivers. We have equipped this console with the best chassis that radio genius has been able to produce to date. The chassis employs four of the new UX224 Screen Grid Tubes, thereby giving you a sensitivity that will surprise and delight you. Please turn to page 62 and see for yourself how every unit of the chassis is individually shielded. Note its sturdy construction. Every part is carefully assembled from matched and balanced parts. Those who wish the ultimate in reception quality, distance and power will find all these in this unusual console. Size of console 51" high, 25 $\frac{3}{4}$ " wide, 16" deep.

Console as illustrated, including Super Dynamic Speaker, 8 tubes and aerial equipment ready for operation. Price **85<sup>25</sup>**

Style No. 133

List Price \$167.50

Your Price **100<sup>25</sup>** Console including Super Dynamic Speaker, 8 tubes and aerial equipment ready for operation.

Style No. 134

List Price \$197.50



All  
Electric  
105-120 Volts AC  
50-60 Cycle

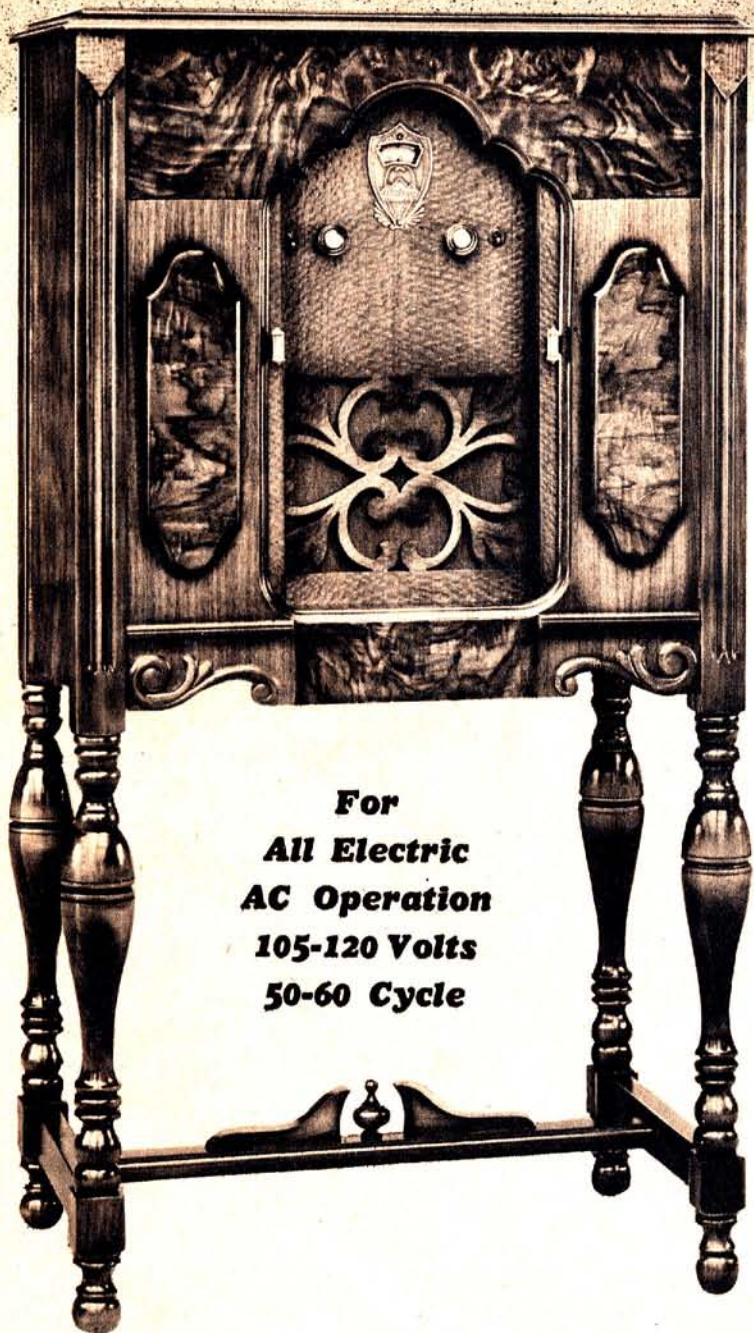
245 Push Pull

### A Console Noteworthy for Its Simplicity

THE keynote struck in this console design is that of simplicity. No effort has been made to produce a cabinet with extreme lines or ornamentation. Quiet dignity and built in quality give this console its atmosphere of beauty. The top and sides are of choice veneer walnut. The doors are of four piece matched butt walnut with maple overlays. The entire cabinet is finished in Adam brown mahogany and walnut producing a harmony of colors that will intrigue you.

# Smart Sliding Door—8-Tube Console

## SUPER DYNAMIC SPEAKER



**For  
All Electric  
AC Operation  
105-120 Volts  
50-60 Cycle**

Combination as illustrated, including Super Dynamic Speaker, less tubes.

Style No. 129

List Price \$152.50

Your Price

**79<sup>75</sup>**

Your Price

**94<sup>75</sup>**

Combination as illustrated, including Super Dynamic Speaker, with 8 tubes and aerial equipment.

List Price \$182.50

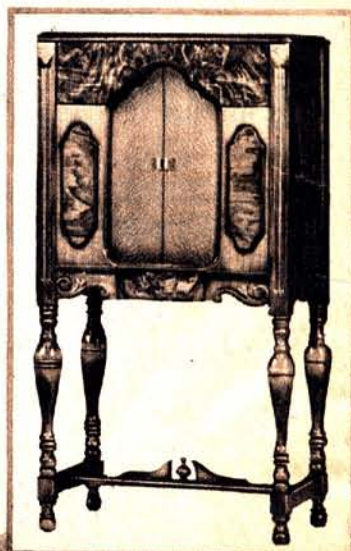
Style No. 130

**S**ELDOM will you see such a fortunate combination of exterior cabinet beauty with radio tone quality *superb beyond your fondest expectation*. The art of the skilled furniture craftsman has created a most lovely cabinet for this receiver. The elegant walnut case is ornamented with graceful panels of burl walnut and the front ornamented with a scroll design grille in walnut to match. Gracefully turned legs and cross bracing in scroll effect to harmonize. The new, smart sliding front doors and elegant bronze metal fittings mark this cabinet as a work of art. The chassis is the justly famous 8-tube all electric 245 push-pull Westrad chassis, built under Radio Corporation patents licenses. Built-in Super Dynamic Speaker. This set is completely shielded, highly selective and possesses brilliant tone quality. See page 62 for complete description of chassis. Size of cabinet 48 in. high, 23½ in. wide, 15 in. deep.

## Screen Grid

### 245 Push-Pull

The selectivity and tone quality are unexcelled. Four new UX224 screen grid tubes assure sensitivity. Two UX245 power tubes in push-pull arrangement assure maximum reception capacity. Possesses every modern feature developed by radio engineering science and skill.

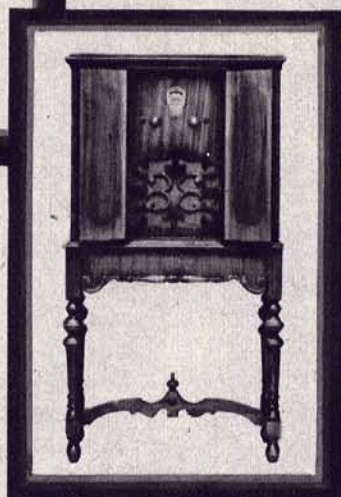


# Westrad's De Luxe Console Screen Grid

## Super Dynamic Speaker

### 8 Tubes

Clear separation of stations is assured because each section of the large four-gang tuning condenser as well as each radio frequency coil and screen grid tube are individually and completely shielded. Each unit is electrically isolated.



### 245 Push-Pull

IN this radio console you secure all the advantages of science's two greatest developments: screen grid and 245 push-pull audio. On page 62 we describe and illustrate the remarkable Screen Grid chassis which brings to radio a new conception of sensitivity, power and tone quality. This set employs four of the new UX224 Screen Grid Tubes, thereby assuring remarkable detection and tone.

**All Electric 105-120 Volts AC  
50-60 Cycle**

## Licensed by R. C. A.

THIS 8-tube console is built under patents and licenses of the Radio Corporation of America. We use all their latest inventions in screen grid, as well as all other advances that have been made in modern radio design. The cabinet itself is a beautiful example of the furniture craftsman's skill. The top, sides and door are of choicest sliced veneer walnut. The side pilasters are of Carpathian Elm, possessing a beauty that challenges all description. It is among the most beautiful of burl and is rarely used in furniture because of its great cost. The doors have beveled overlays of reversed matched diamond walnut which take on various tones when viewed from different positions. The entire cabinet is finished in Roman walnut. Size 51" high, 25 $\frac{3}{4}$ " wide, 16" deep.

Console, including Super Dynamic Speaker, less tubes.

Your Price

**90<sup>75</sup>**

Style No. 131

List Price \$179.50

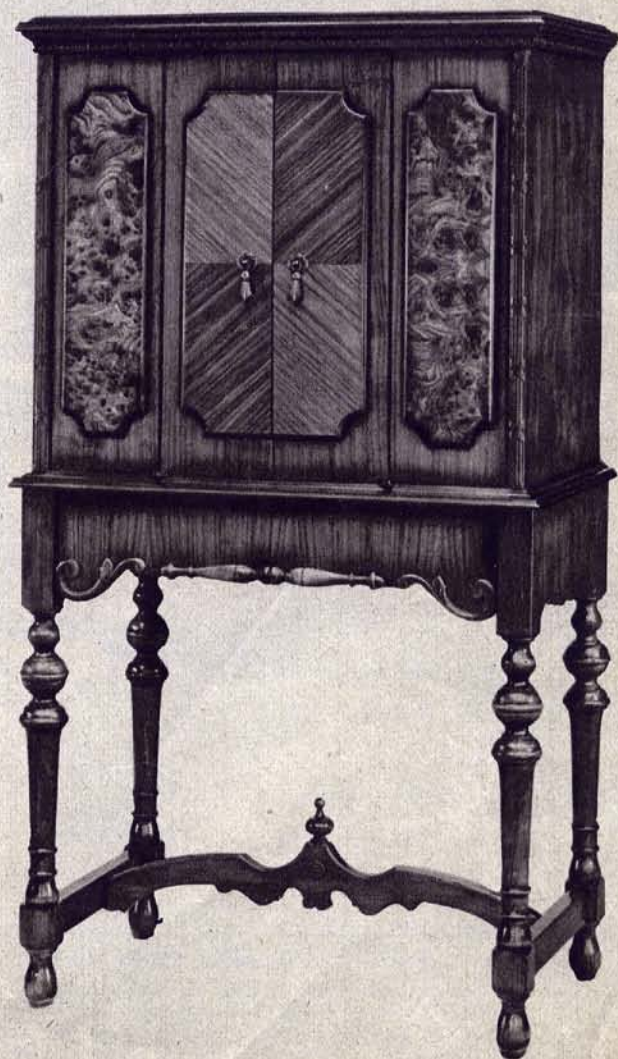
Your Price

**105<sup>75</sup>**

Console, Super Dynamic Speaker, 8 tubes and aerial equipment, ready for operation.

Style No. 132

List Price \$209.50



Where the electric current is 220 volt AC 50-60 cycle all Westrad sets can be used by adding a 220 volt step-down transformer. Your price, \$5.90. Specify when ordering.

# SCREEN GRID 8 tube RADIO with PHONOGRAPH

## Super Dynamic Speaker

ALL ELECTRIC

THIS ultra-modern instrument brings you home entertainment in its most complete and enjoyable form. Engineering skill has combined for the rounding out of your pleasure the finest in all-electric radio receiving sets with the marvelous toned electric phonograph.

The chassis of this wonderful instrument is the famous screen grid 8-tube all electric Westrad, built under Radio Corporation of America license, with built in Super Dynamic Speaker. The radio equipment includes the completely shielded chassis, extremely selective and of most up-to-date design and construction. See page 62 for large illustration and complete description. Perfect reception, without distortion from most powerful nearby stations or the remote stations. The phonograph equipment consists of induction electric motor, 12-inch turntable, automatic shut-off, electric pick-up, volume control and adaptor. This magnificent cabinet is fully illustrated in colors on the inside front cover in this catalog. Built of selected walnut, hand rubbed with matched French doors. Size 51" high, 30" wide, 19½" deep. Space for 3 record albums. For 105-120 volts AC—50-60 cycle.

### PRICES

Combination as shown, including Super Dynamic Speaker, less tubes. Your Price

Style No. 127  
List Price \$246.50

**\$136<sup>95</sup>**

Same combination as above with Super Dynamic Speaker, with eight tubes for screen grid operation and aerial equipment.

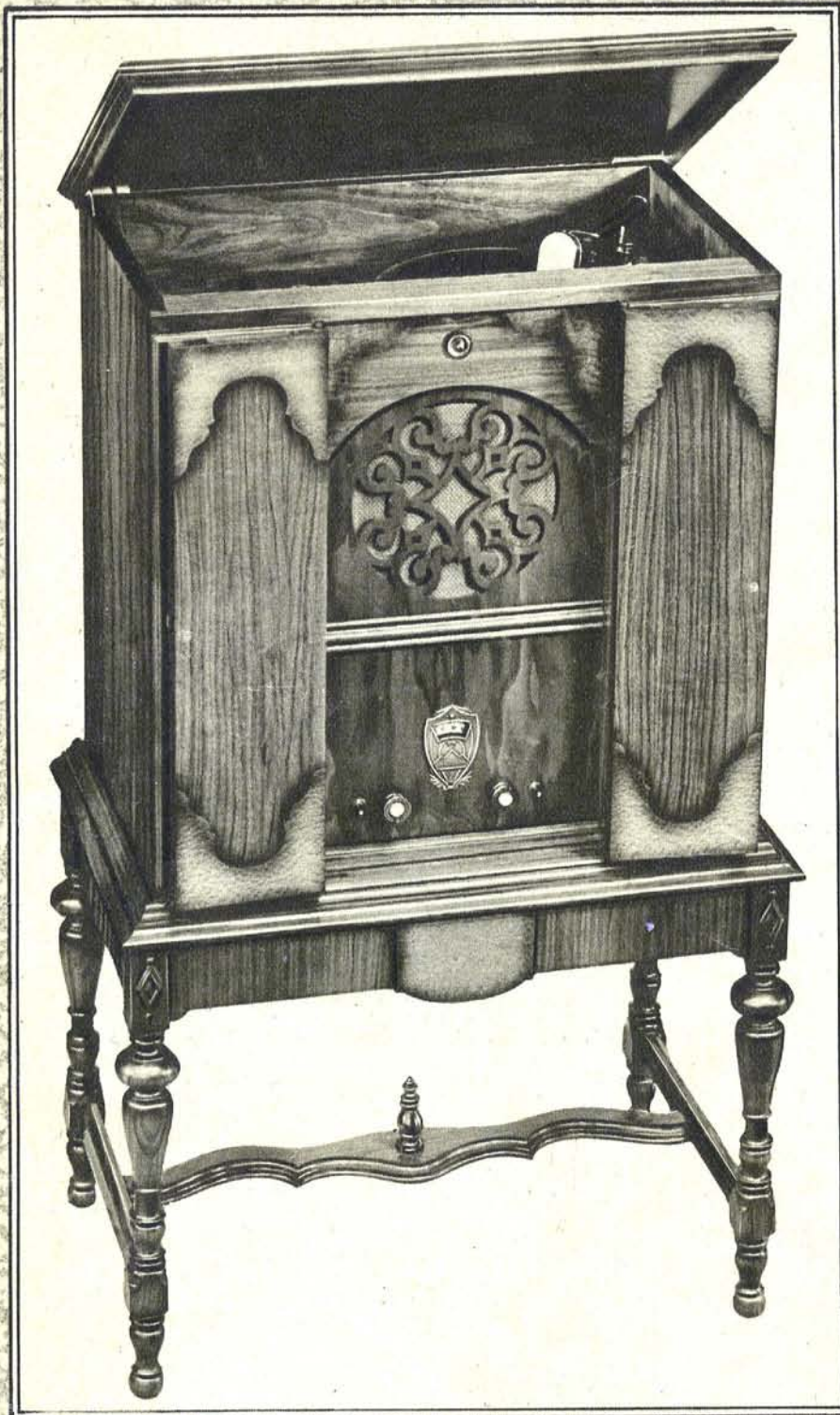
Style No. 128  
List Price \$276.50

Your Price

**\$151<sup>95</sup>**

Every Westrad set is precision built from matched and balanced parts under full license from Radio Corporation of America.

Produced by Schenker & Farkas, Inc., Chicago.



### Four 224 Screen Grid Tubes

The season's greatest development is undoubtedly the perfection of the 224 screen grid tube. The Westrad employs four of these wonderfully sensitive tubes with two 245 push pull audio stages, assuring you of exceptional range and power far beyond your normal needs.

# NAVAL OBSERVATORY TIME

## Right In Your Own Home



### PRINCESS PAT

FOR boudoir, individual desk or for rooms where smaller appointments are desirable. Case of beautiful walnut finish Bakelite, handsomely grained and pebbled. 5 inches wide mounted with easels on a base. A spun silvered finished 3 1/2" dial with heavy gold finished lacquered ring and clear convex glass. Fitted with second indicator. Size: 3 1/4 inches deep, 6 1/4 inches wide, 6 1/4 inches high.

Your Price **\$11<sup>44</sup>**  
List Price \$17.50  
Stock No. 185

ANY electric socket in your home will provide you absolutely correct and carefree time. Your local power company thru time signals transmitted by the U. S. Naval Station at Arlington permanently keep these Kenmore Clocks adjusted to the minute by synchronized impulses sent over the wire. These Kenmore Clocks are truly ELECTRICAL, being operated by tiny electric motors that operate in absolute silence. No disturbing tick, nothing to adjust, regulate or oil. Merely plug into the nearest light socket and never touch it from then on. For 60 Cycle, 105-120 Volt A. C.



### The PENN

NAMED after the famous Quaker because of its simplicity. Case is of two-tone walnut inlaid with high light panels; 5-inch spun satin-silver dial; convex glass and gold finished bezel ring. Equipped with second indicator. Size 3 1/2 in. deep, 10 1/2 in. long, 9 1/2 in. high.

Your Price **\$17<sup>97</sup>**  
List Price \$27.50  
Stock No. 186

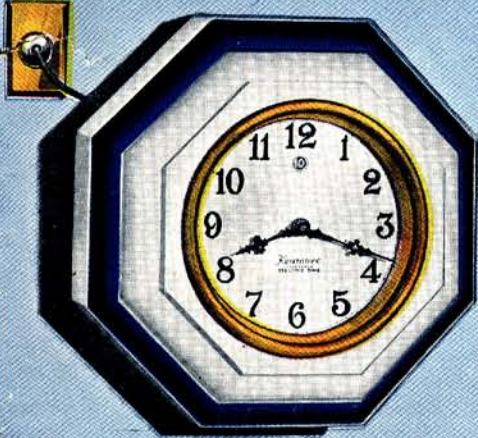
## KENMORE Electric CLOCKS

### The WINDSOR

THE Windsor tambour Electric Clock shown below comes in a beautiful two-tone Walnut with raised high lighted panels. The 5 inch dial is spun satin-silver finish and protected by a clear convex glass with gold finished bezel ring. Fitted with second indicator. Size 4 1/2 in. deep, 19 1/2 in. long, 8 1/4 in. high.

Your Price **\$22<sup>87</sup>**

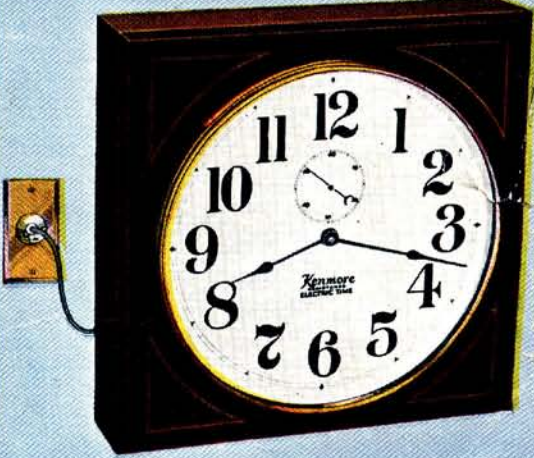
List Price \$35.00 Stock No. 187



### The LEWISHAM

Your Price **\$11<sup>11</sup>**  
FOR use in the kitchen, hospital or laboratory. Wall model of pure white enamel with blue ornamentation. 5 in. dial spun satin-silver finished with convex glass and gold finished ring. Fitted with second indicator. Size: 9 inches in diameter, 3 inches deep.

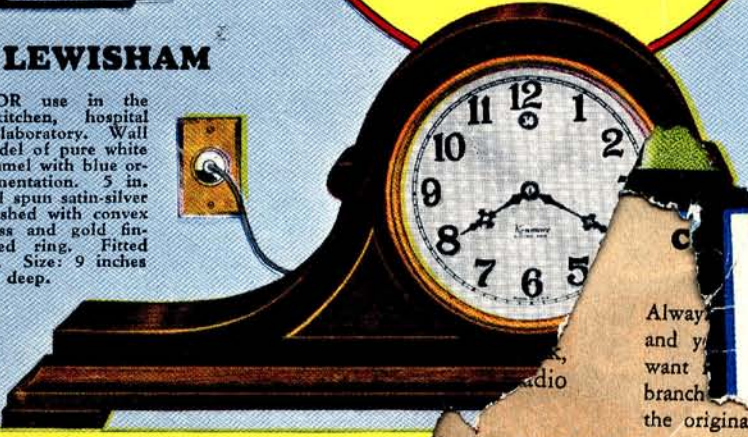
List Price \$17.00  
Stock No. 188



### The CARLTON

THE Carlton wall model is designed especially for offices, public buildings, factories, etc. Rich Walnut Finish. Ruggedly built with large 13 inch dial and second hand. Large enough to be easily read and attractive. Size, 15 1/2 inches square and 3 1/2 inches deep.

Your Price **\$19<sup>60</sup>**  
List Price \$30.00  
Stock No. 189



Always and you want branch the original.

NO SPRINGS - NO REGULATING

# 8 TUBE Walnut Console

Super Dynamic  
Speaker

*Screen grid*

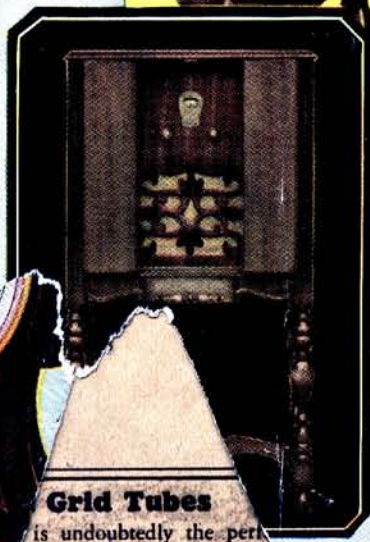
**245**

**Push Pull Audio**  
Using Four 224 Screen Grid  
Tubes

HERE'S beauty, efficiency and remarkable value crowded into one Radio Console. Employs four of the new UX224 screen grid tubes which are creating such sensation because of their amazing sensitivity. The power output stage consists of two UX245 power tubes in push pull arrangement. This unusual chassis as described on page 62 is built under licenses of the Radio Corporation of America and embodies the latest of Radio engineering science. Complete Console with 8 tube Screen Grid Chassis and Super Dynamic Speaker less tubes.

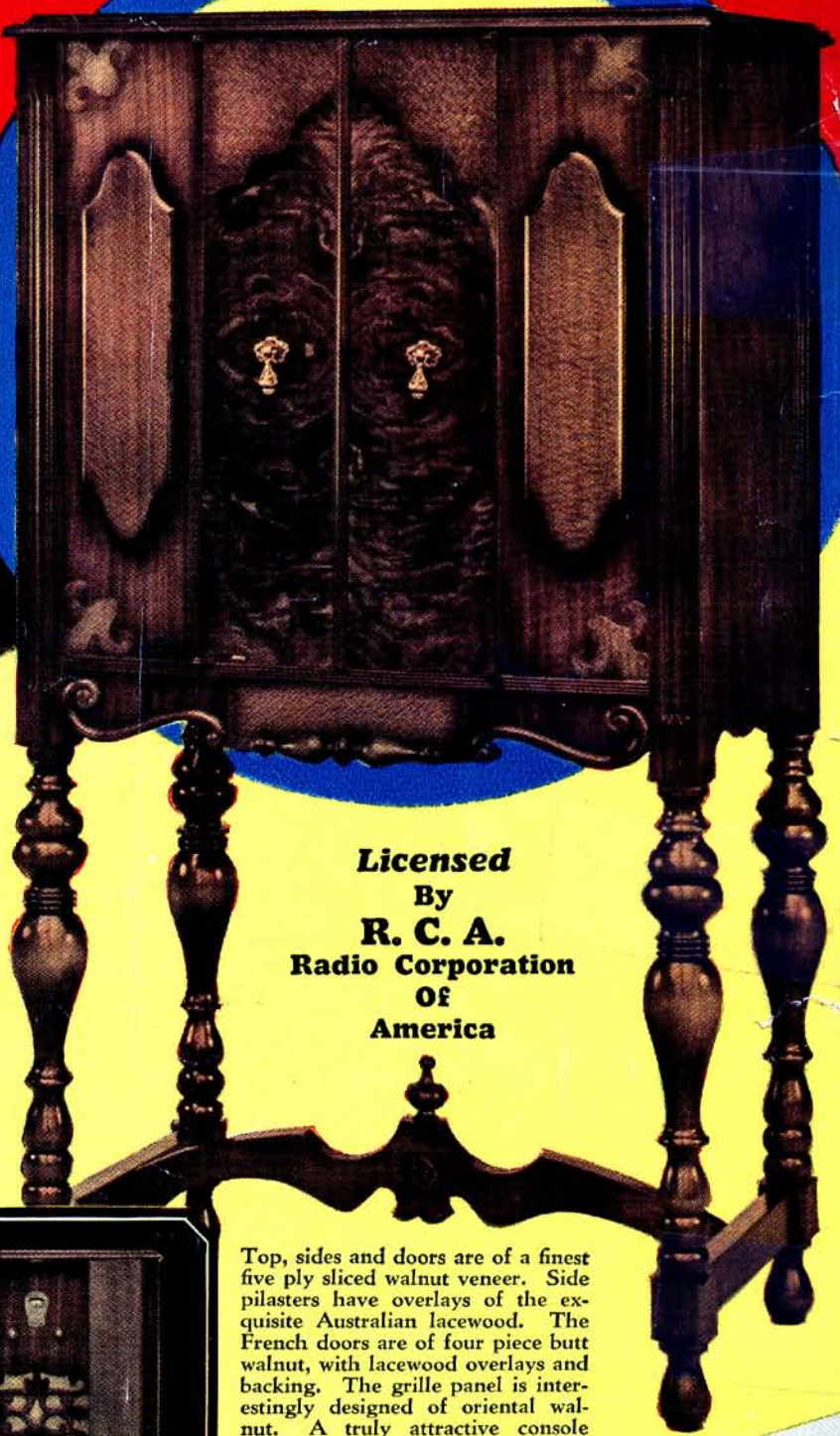
Style  
No. 125

**\$85.25**  
NET  
List Price \$100.00



**Grid Tubes**

is undoubtedly the per...  
Westrad employs four of...  
two 245 push pull audio stage...  
age and power far beyond your



**Licensed  
By  
R. C. A.  
Radio Corporation  
Of  
America**

Top, sides and doors are of a finest five ply sliced walnut veneer. Side pilasters have overlays of the exquisite Australian lacewood. The French doors are of four piece butt walnut, with lacewood overlays and backing. The grille panel is interestingly designed of oriental walnut. A truly attractive console you will be proud to own. For price of cabinet only see page 9.

Above Console complete with Screen Grid Chassis, Super Dynamic Speaker, 8 tubes and aerial equipment. For 105-120 Volts AC, 50-60 cycle.

Your Price  
**100.25**

Style No. 126

List Price \$197.50

**WESTERN**

**G-NO**

**Reliable Products**