

A SERVICE of EXCELLENCE to THE DEALER

C o n f i d e n c e

During the past five years we have held the confidence of our dealers only by viewing the radio industry through their eyes.

When an organization has grown from an humble origin to a commanding position in its field, too often the problems of those who have helped its growth are overlooked.

Serving, as we do, a very large number of dealers in various territories, our viewpoint, while essentially national, must consider local conditions and problems. To this thought and to no other do we attribute the very fine consistent growth of our organization.

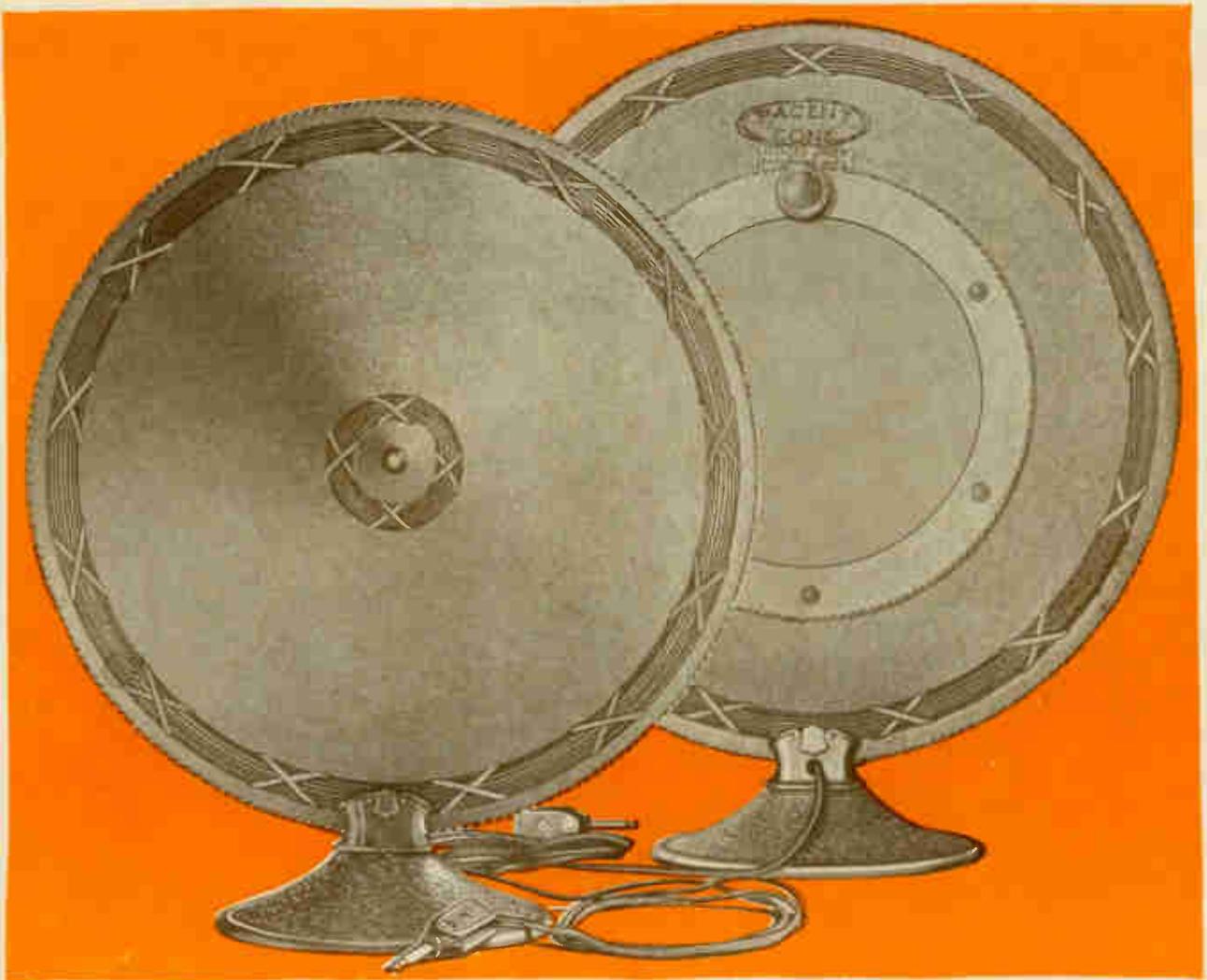
At the beginning of this season it was our intention to have one comprehensive catalog do for the entire season, but conditions have changed so, and as we have added many new lines, we feel that this supplementary catalog serves a purpose in keeping with our idea of service to our dealers.

In this catalog you will find all that is new and interesting in radio. Remember that we carry a complete stock of all items made by the manufacturers whose names are shown in our price sheet, and even though individual items are not pictured, you may be sure that your orders will receive prompt and careful attention. A glance through these pages will convince you that we have merchandise on which you and ourselves will make money.

WHOLESALE RADIO SERVICE CO.

6 CHURCH ST.,

NEW YORK CITY



The Pacent Cone

"The Speaker of the House"

Licensed Under the Lektophone Patents

It literally speaks for itself, this Pacent Cone. It handles the entire range of musical frequencies now being broadcast by the leading stations and reproduces instrumental groups such as orchestras, bands, and choruses, both clearly and pleasingly, without slurring and blurring the intricate musical values and shadings. The Pacent Cone can be used with any receiving set, with or without power amplification.

Mechanically, the Pacent Cone is a double parchment cone of the fixed edge type, with the driving unit within the cone. The parchment is of special grade, selected only after long experimentation, and treated in a manner to ensure immunity from dampness and atmospheric changes. The driving unit is a challenge to that of any other speaker, with a balanced armature, delicately mounted yet so sturdy that it will respond to the weakest as well as the most powerful signals, and to the frequencies ranging from 50 cycles or less for the bass notes to the thousands of cycles of the higher overtones and harmonics. The action of the balanced armature is communicated to the cone by a connecting rod leading to the apex, with a simple adjustment which maintains proper position of the driver rod in the paper cone.

Electrically, the Pacent Cone leaves nothing to be desired. The permanent magnets of the driving unit are thoroughly seasoned to insure unlimited life and the windings will handle the usual high output voltages of power amplifiers.

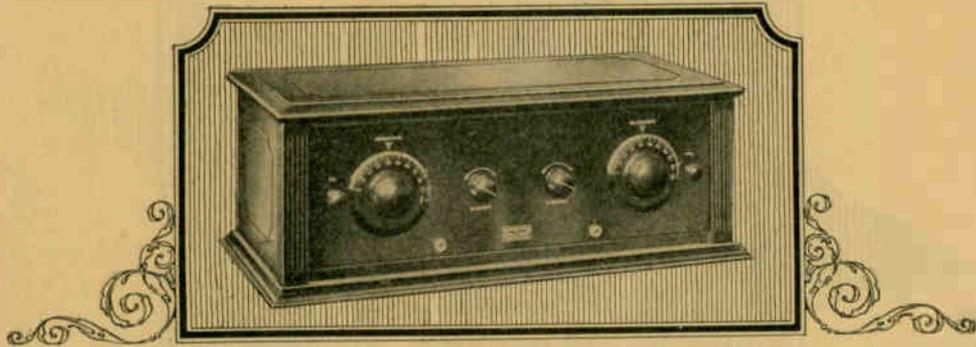
TYPE A, (table type) 17 inches in diameter, with handsome bronze base, suitable length cord and Pacent detachable plug. List \$28.50

TYPE SA, (for floor use) 36 inches in diameter, mounted on an American Walnut stand.

List \$89.50

TYPE WA, (for wall) similar to type SA but designed for mounting on wall. List \$78.50

Browning-Drake Receiver

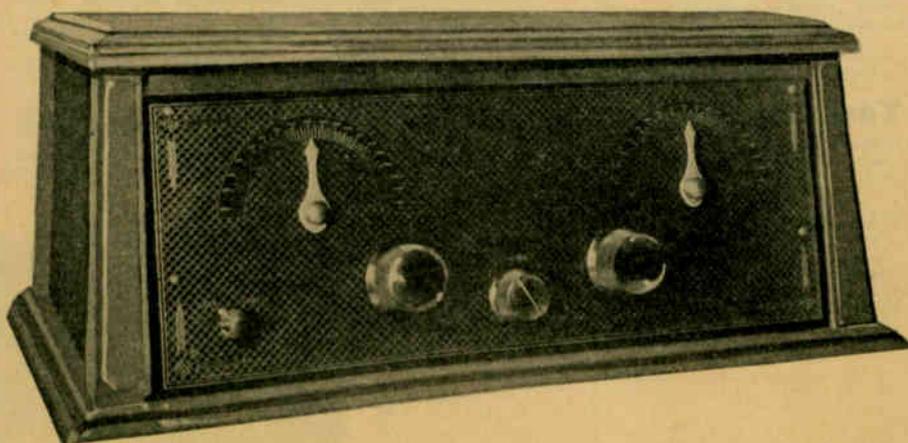


Without a doubt there are more amateur-built Browning-Drake Receivers throughout the world than any other amateur-built receiver ever designed. And the several hundred thousand Browning-Drake Receivers now in operation are giving permanent, reliable performance.

Now the Browning-Drake Corporation is producing a factory built model . . . the Browning-Drake Five which is completely assembled at its Brighton laboratories under the supervision of the inventors. Every dealer handling Browning-Drake has made money and every customer has been permanently pleased.

List Price \$95.00

Pfanstiehl Special 5 Tube Receiver



A large number of our dealers have asked us to furnish them with a moderately priced receiver to be sold in competition to the numerous cheap and inefficient receivers parading as five tube T. R. F. receivers.

With this in mind we have persuaded the Pfanstiehl Radio

Co. to supply us, on a contract for a large number of receivers, with their regular One Hundred and Twenty-five Dollar receiver at a price which enables us to make a fair margin of profit and at the same time allows you to sell a high grade receiver at a competitive price and make money.

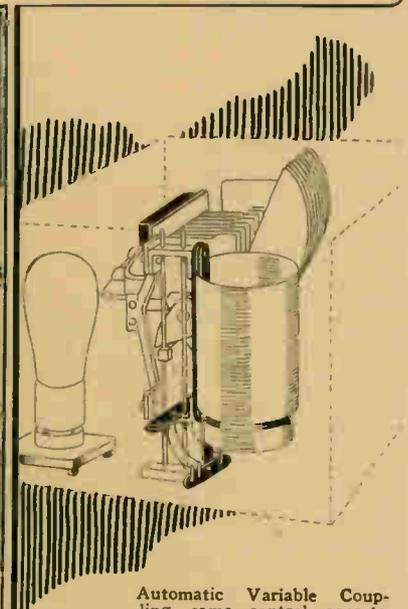
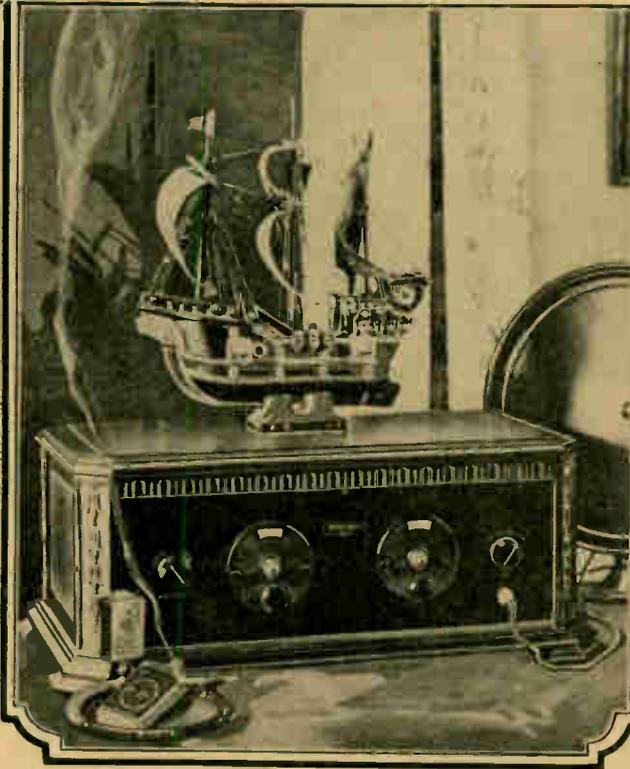
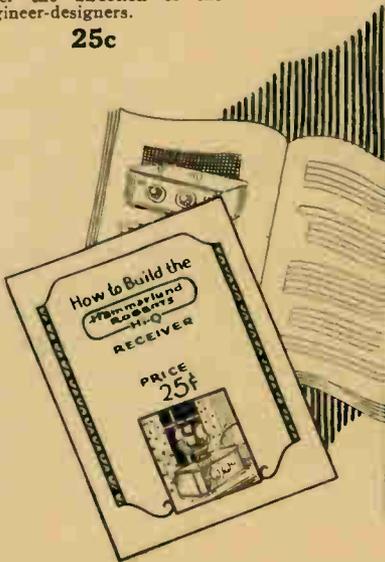
List Price \$65.00

THE NEW SHIELDED HAMMARLUND ROBERTS HI-Q

"How to Build It" Book

Complete instructions for assembling, wiring, and operating the Hammarlund-Roberts Hi-Q Receiver. Prepared under the direction of the Engineer-designers.

25c



Automatic Variable Coupling—same control operates tuning condenser and primary coil coupling simultaneously, gives maximum and equal amplification and selectivity over entire tuning range.
 Stage Shielding — prevents coupling between stages, preventing oscillations and increasing selectivity. Clarifies reception.

Different and Finer Results from Different, Finer Engineering

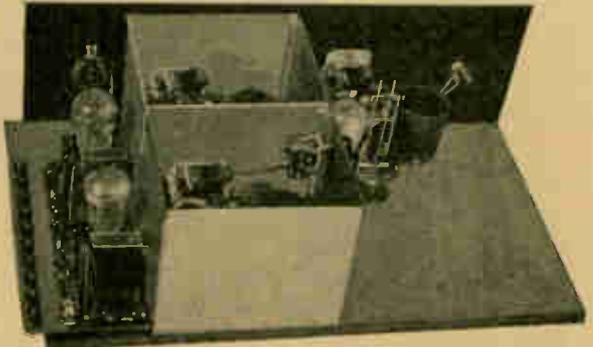
The new Hammarlund-Roberts Hi-Q is an entirely modern radio receiver, incorporating the latest approved features. The most important of these include dual tuning, stage shielding, automatic coupling variation, high detector efficiency, a high power output and that it is non-oscillating. Tried and proven fundamentals have been adhered to; but they are applied in new and different ways that produce greater selectivity clearer tone, simpler tuning.
 This new Hammarlund-Roberts is the united achievement of ten of the leading radio engineers in the country; all concentrating on producing the most advanced and efficient receiver—regardless of cost.

You Can Build the Hammarlund-Roberts Yourself

Anyone can build the Hammarlund-Roberts Hi-Q. All the research, the selection of parts, the exact placing of units, has been worked out in advance for you. And you have a receiver that will equal an eight-tube set—simplicity of design and operation hitherto unthought of—all at less than half the price you would pay for a factory made set of anywhere near equal efficiency.

APPROVED MATERIAL FOR THE HAMMARLUND-ROBERTS HI-Q RECEIVER

3—17 pl. .00035 mfd. Hammarlund Midline Condensers.....	\$14.25
1 set of 3 Auto-Couple Coils.....	10.00
1—9 pl. 32 mfd. Hammarlund Midget Condenser.....	1.80
2 H. W.—A 3 (3-1 ratio) Samson Audio Transformer.....	10.00
2 Mar-co Vernier Dials No. 192.....	5.00
2 No. 1-A Amperite.....	2.20
1 No. 112 Amperite.....	1.10
3 Benjamin Sockets with bases No. 9040.....	2.25
2 Benjamin Sockets without bases No. 9049.....	1.00
1—2 Meg. Durham Metallized Resistor.....	.50
10 Eby Engraved Binding Posts.....	1.50
1 .00025 mfd. Sangamo Fixed Condenser.....	.40
1 .001 mfd. Sangamo Fixed Condenser.....	.50
1 pr. Sangamo Grid Leak Clips.....	.10
1 No. 10 M S Carter Combined Midget Rheostat and Filament Switch, 10 ohm.....	1.00
1 No. 1 Carter Short Jack.....	.25
1 No. 12 Carter "Imp" Aerial Switch.....	.70
1 Foundation Unit.....	10.50



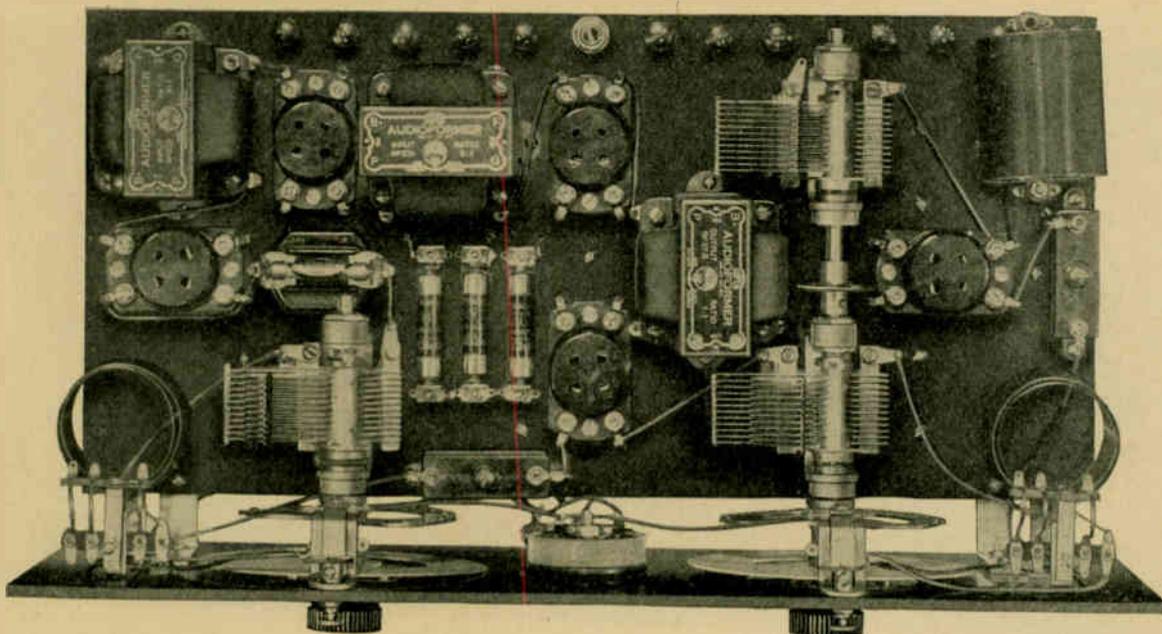
Complete Kit Price \$63.05

Fritts Hi-Q Cabinet (same as pictured above).....List \$22.00
 Baseboard for Hi-Q Receiver.....List 1.50



The Loftin-White Receiver

A Recently Perfected Circuit Designed by Two Able Engineers to Give Equal Amplification and Perfect Control Over the Entire Wave Length Scale



The new Loftin-White Circuit from a technical point of view, is entitled to be called new, because it has features which distinguish it from the circuits used in other radio receivers.

The circuit was devised by Edward H. Loftin and S. Young White. Mr. Loftin has specialized on radio circuits, both in the Navy, where he was a Commander and was in charge of the Radio Research and Patent Section for several years, and in civil life for about three years, as consulting engineer and expert witness in radio suits involving radio circuits.

Heretofore the attempts to prevent regeneration and oscillation have been by four general methods. One method was to bias the tube so it would not oscillate; another was to provide lesser resistance in the circuit, directly or indirectly; another was to couple very loosely; another was to use a bridge or feedback circuit that opposed the natural feedback between the grid and plate circuit.

Loftin and White do none of these things. They put a condenser reactance in the plate circuit to shift the phase of the plate circuit so that any feedback is out of step with the grid circuit and, therefore, does not aid the grid circuit to produce regeneration or oscillation.

And they do more than that. They provide in addition to the inductive coupling, usually used in broadcast receivers, a capacity coupling, which has not before been used in such receivers. The inductive coupling commonly used, does not transfer the long wave broadcast as well as the short wave broadcasts, but in the Loftin-White Circuit, that is corrected by capacity coupling which is arranged to automatically transfer the proper additional amount as the longer wave broadcasts are tuned in.

Complete List of Specified Parts

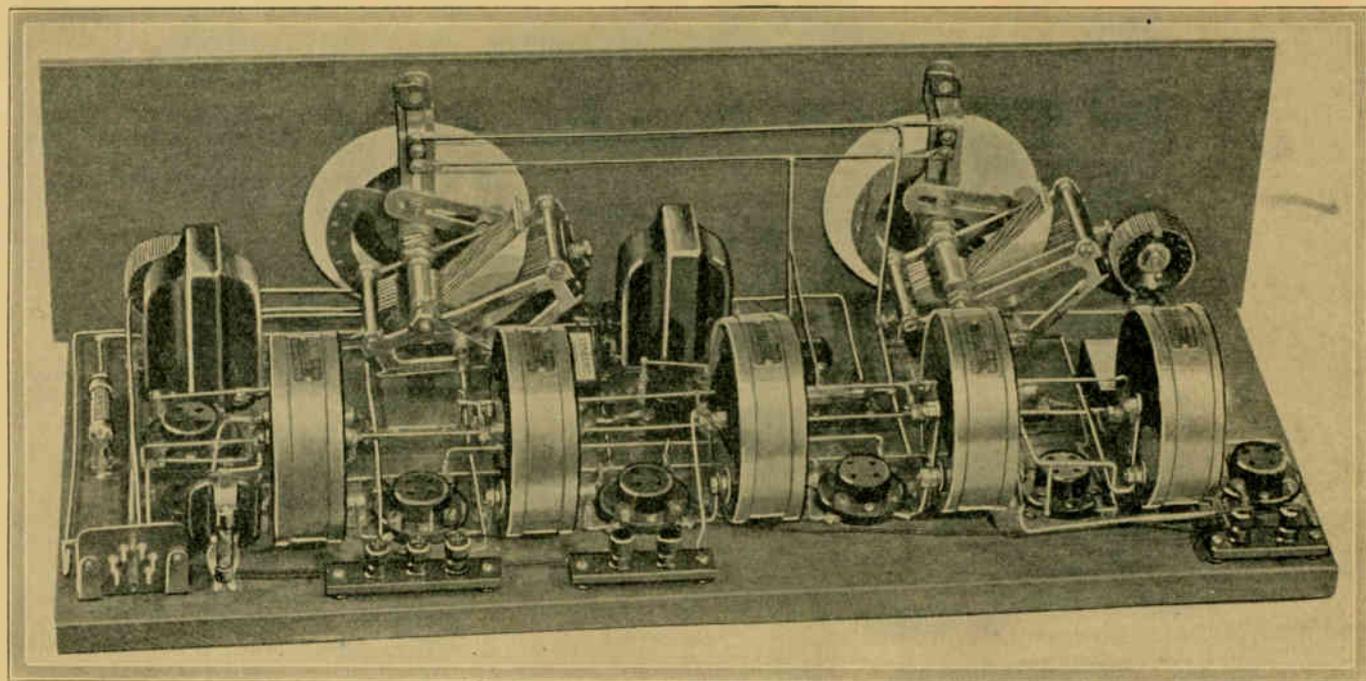
1 Pacent Foundation Unit	\$6.00	1 No. 112 Amperite—Radiall Co.	1.10
1 Pacent No. 90-B 10-ohm Rheostat .....	.75	2 No. 1-A Amperite—Radiall Co.	2.20
5 Pacent No. 83 Cushion Sockets	3.25	1 Sangamo Kit—(Special Tested Condensers)—	
2 Pacent No. 27-A Input Superaudioformers shielded...	15.00	2 .004—5% mfd. Sangamo Condensers	1.80
1 Pacent No. 27-B Output Superaudioformers, shielded.	7.50	1 .004 Sangamo Condensers .....	.60
1 Set of Hammarlund Loftin-White Coils.....	10.00	1 .001 Sangamo Condensers .....	.50
3 Hammarlund .0005 mfd. Midline Condensers	15.00	1 .00025 Sangamo Condensers .....	.60
1 Yaxley No. 10 Midget Battery Switch.....	.50	1 2 megohm Durham Resistor—International Resistance	
1 Yaxley No. 704 Interstage Junior Jack .....	.75	Co. ....	.50
2 Marco Illuminated Dials—No. 200-0-100	7.00	1 Front Panel—Micarta Fabricators, Drilled and En-	
12 Eby Binding Posts, Engraved	1.80	graved	3.25
2 X-L Vario-densers, G—5 Model	3.00	1 Sub-panel—Micarta Fabricators, Drilled.....	4.00

Complete Kit Price \$85.10

Fritts Cabinet for Loftin-White Receiver 7x18x12---List \$21.00



The New Madison-Moore "One Spot" Super-Heterodyne Receiver



This Receiver Incorporates the Latest Development in Super-Heterodyne Circuits Using a New Design of Precision Units—Design, Construction and All Illustrations of This Receiver Were Prepared in The Citizen's Radio Laboratory

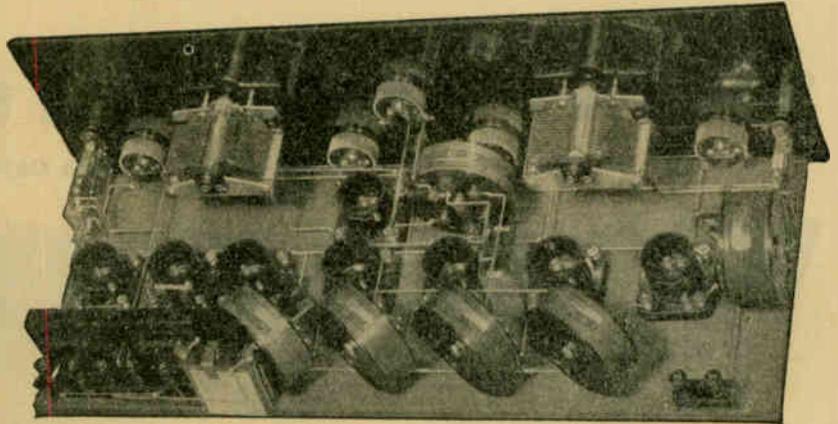
Complete Parts

1 7x26x3/16, Lignole Panel, drilled and engraved.....	9.00	1 Frost Filament Switch .....	.30
1 3/4x3 3/4x3/16 inch Drilled Strip .....	.25	4 Type 4 Elkay Equalizers and Mnts.....	3.00
2 3/4x2 1/2x3/16 Drilled Terminal Strip.....	.25	1 Type 2 Elkay Equalizer and Mnt.....	.75
1 10 1/2x25x3/4 inch Wooden Baseboard	1.25	1 Type 4/3 Elkay Equalizer and Mnt.....	.75
1 Set of 5 Type Madison-Moore One Spot Trans- formers	55.00	1 Daven Glastor 2 Meg.....	.50
1 Karas .0005 Orthometric Condenser.....	7.00	1 Sangamo .00025 Mfd. Condenser.....	.40
1 Karas .00025 Orthometric Condenser.....	6.50	1 Sangamo .005 Mfd. Condenser.....	.70
2 Marco Illuminated Dials	7.00	2 Sangamo 1 Mfd. By-Pass Condenser	2.50
8 Eby UX Sockets	4.00	1 Pair Sangamo Grid Leak Clips.....	.10
2 Samson New Symphonic Transformers.....	18.00	1 Yaxley Cable Connection and Plug.....	3.50
1 Frost 10 Ohm Rheostat .....	.50	7 Eby Engraved Binding Posts	1.05
1 Frost 20 Ohm Rheostat .....	.50	1 Box of Screws, Nuts, etc. ....	.50
		20 Lengths Bus Bar .....	.50

Complete Kit Price \$123.80



Victoreen Super Heterodyne



Designed For Loop or Outside Aerial

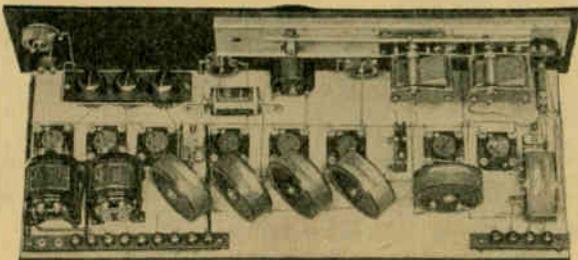
"VICTOREEN" Transformers have a resonance curve many times sharper than that of any other transformer. This, of course, means selectivity. Because of the resonant features, Victoreen are enabled to use an aperiodic primary. This prevents interstage oscillation, makes the set more stable and permits the potentiometer to be used solely as a volume control and not as a loss. Due to the design developed in the Victoreen Laboratory, they are enabled to adjust and tune each transformer to a precision within $\frac{1}{8}$ of 1%. "VICTOREEN" transformers require no matching of tubes, condensers, etc., in fact, there are no adjustments to make. This is all done at the factory. The wave-length to which Victoreen transformers are designed assures less interference by harmonics.

1—Victoreen Antenna Coupler	\$3.50	1—8 x 23 Baseboard	1.00
4—Victoreen R.F. Transformers No. 170.....	28.00	8—Universal Sockets, Frost	3.20
1—Victoreen Oscillator	5.50	2—Yaxley Double Circuit Jacks	1.60
2—Precise .0005 Mfd. New Type Condensers.....	7.00	1—Yaxley Single Circuit Fil. Control Jack .....	.70
2—Kurz-Kasch Vernier-Port Dials	4.00	1—Yaxley Fil. Switch .....	.50
2—Dublier .00025 Grid Condensers .....	.80	2—Samson Audio Transformers New Type.....	10.00
2—Lynch 2 Meg. Grid Yeaks	1.00	7—Eby Binding Posts	1.05
1—Dublier .001 Fixed Condenser .....	.40	2—Binding Post Panels .....	.30
1—Tobe 1 Mfd. By-Pass Condensers.....	.90	1—Box of Screws, Lugs, etc .....	.50
1—Frost New Type 400 ohm Potentiometer.....	.75	4—Angle Brackets .....	.20
2—Frost New Type 30 ohm Rheostat	1.00	30—Feet of Wire .....	.40
2—Frost New Type 6 ohm Rheostat.....	1.00	1—Set of Blue Prints FREE.	
1—7 x 24 Bakelite Drilled and Engraved	6.50		

Complete Kit Price \$79.80

With Hammarlund Mid-Line Condensers—List \$82.80

Victoreen "Universal" Super-Heterodyne



The famous Victoreen has attained its reputation because of its exceptional selectivity, range and tone purity. The excellent performance of Victoreen is due to the fact that it combines one of the finest circuits, with first quality instruments that are matched and combined to work together in absolute harmony.

In the "Universal" Victoreen the Victoreen Master Control Unit is furnished with two .0005 Variable condensers attached. For those desiring the utmost in simplicity of assembly and operation.

1—Bakelite Drilled and Engraved Panel 7 x 26.....	\$7.00	2—Lynch 2 Meg Leaks	1.00
1—Post Panel $\frac{5}{8}$ " x $9\frac{3}{8}$ " x $\frac{1}{8}$ " Drilled.....	.40	1—Tobe 1 Mfd. Condenser .....	.90
1—Post Panel, size $\frac{5}{8}$ " x $4\frac{1}{2}$ " x $\frac{1}{8}$ " Drilled .....	.25	2—Karas Harmonik Audio Transformers.....	14.00
1—Baseboard $9\frac{1}{2}$ x 25	1.00	1—Dublier .001 Fixed Condenser .....	.40
1—Victoreen 2 ohm Rheostat	1.20	4—Victoreen R. F. Transformers Type 170.....	28.00
1—Yaxley No. 10 Battery Switch .....	.50	1—Victoreen No. 150, Oscillator Coil.....	5.50
1—Victoreen 400 ohm Potentiometer	1.50	1—Victoreen No. 160, Antenna Coupler	3.50
1—Weston Type 506—0-8 Voltmeter	7.00	2—Yaxley No. 416, Pup Jacks.....	.30
1—Victoreen 6 ohm Rheostat	1.20	13—Eby Engraved Binding Posts	1.95
1—Victoreen Master Control Unit	19.50	1—Samson or Marco Vernier Dial	2.50
1—Yaxley No. 60 D.P.D.T. Jack Switch.....	1.25	1—Box of Screws, Lugs, etc. ....	.50
1—Victoreen Audio Control Unit	4.50	4—Angle Brackets .....	.20
8—Benjamin Universal Sockets	6.00	30—Feet of Bus Bar Wire.....	.40
2—Dublier .00025 Type G with Clips.....	.80	2—Lengths of Spaghetti .....	.20

Complete Kit Price \$111.45

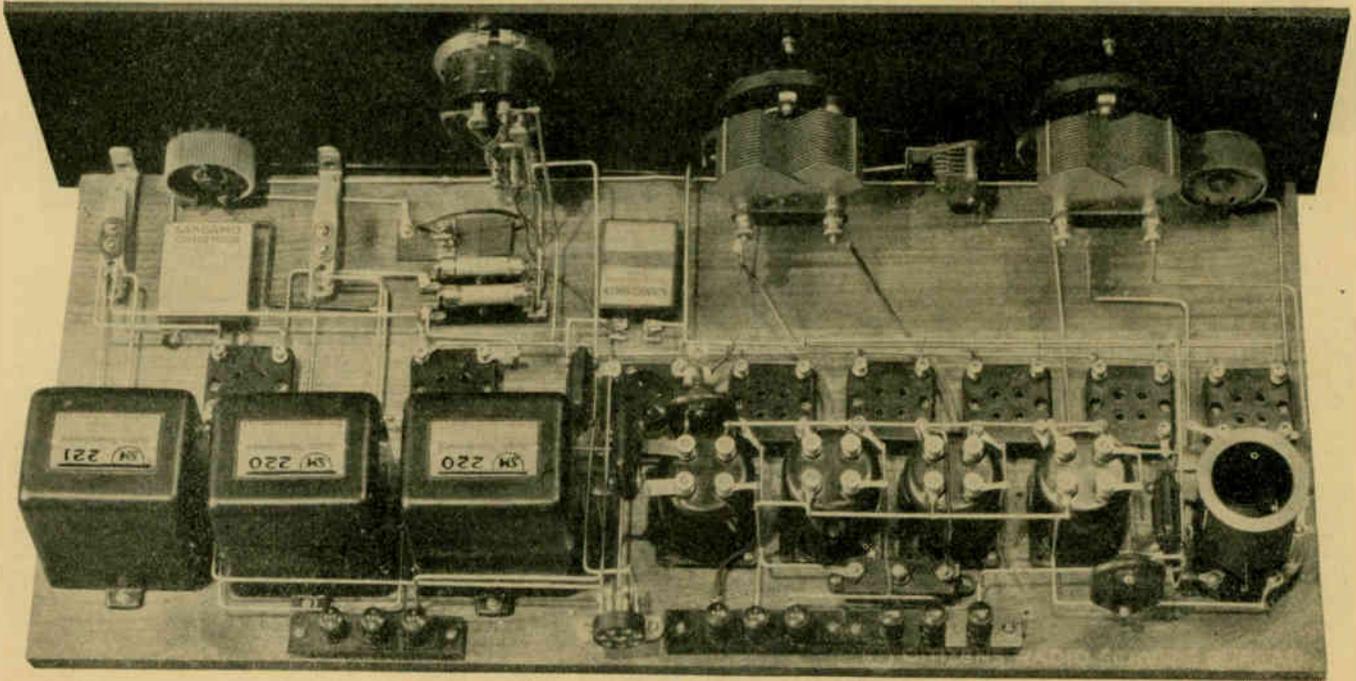
If Desired with Samson Symphonic Audio Transformers

Complete Kit Price \$115.45



The New Remler Best Super Receiver

Described in Citizens Call Book



Complete Specified Parts

2 Remler 639 Variable Condensers, .0005 mfd.....	\$10.00	1 Sangamo .0005 mfd. Condenser.....	.40
2 Remler 600 Transformers.....	12.00	1 Sangamo .005 mfd. Condenser.....	.70
2 Remler 610 Transformers.....	5.00	1 Sangamo .00025 mfd. Condenser.....	.40
1 Weston, Model 506 Meter, Type 217.....	9.00	1 Sangamo .0025 mfd. Condenser.....	.50
7 Frost 530 Sockets.....	2.80	1 Sangamo .006 mfd. Condenser.....	.85
1 Frost 820 Rheostat, 20 ohm.....	.75	2 Sangamo Grid Leak Clips.....	.15
1 Frost 830 Rheostat, 30 ohm.....	.75	1 7" x 26" Bakelite Drilled and Engraved Panel.....	6.50
1 Frost 234 Pan-Tab. Jack.....	.70	1 1/2" x 10 1/2" x 25" Wooden Baseboard.....	1.00
1 Frost 235 Pan-Tab. Jack.....	.85	3 3/16" x 1/4" x 3 1/2" Terminal Strips.....	.60
1 Frost 608 Filament Switch.....	.30	1 Lynch 2 megohm Grid Leak.....	.50
1 Cutler-Hammer 25 ohm Variable Resistance.....	.25	1 Silver-Marshall Type 110A Coil.....	2.50
2 Elkay Type 2 Equalizers with Mounting.....	1.50	1 Silver-Marshall Type 515 Coil Socket.....	1.00
1 Jones Type B. M. Multi-Plug.....	4.50	2 Silver-Marshall Type 220 Audio Transformers.....	12.00
9 Eby Ensign Engraved Binding Posts.....	1.35	1 Silver-Marshall Type 221 Output Transformer.....	6.00
1 Type G-5 XL Balancing Condenser.....	1.50	1 Silver-Marshall Type 340 Condenser.....	1.50
1 Sangamo Series "A" .5 mfd. bypass condenser.....	.90	1 Miscellaneous Assortment Screws, Nuts, etc.....	.50
1 Benjamin No. 9040 UX Socket.....	.75	20 Lengths of Bus Wire.....	.40
1 Sangamo Series "A" 1 mfd. Bypass Condenser.....	1.25		

Complete Kit Price \$89.65

Fritts Cabinet 7x26-12 deep—List \$23.50

Ultradyn Model L-R-4 Receiver

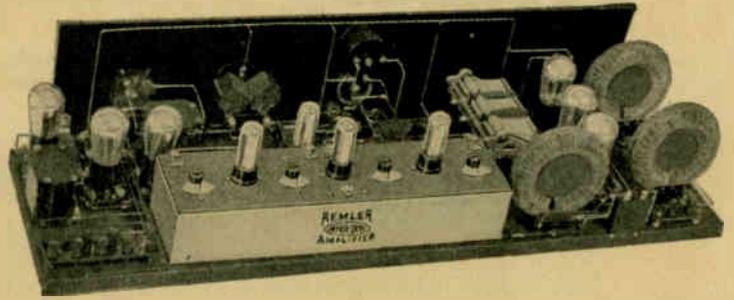
1 Micarta Panel, Drilled and Engraved 8 x 24 x 1/8.....	\$6.50	9 Benjamin Sockets, No. 9040.....	6.75
3 Hammarlund Shields.....	6.00	2 Marco Dials No. 192, 0-100.....	5.00
3 Hammarlund .00035 M. L. Cond.....	14.25	2 Yaxley Rheostats, 20 ohm.....	2.70
2 Hammarlund Equalizers.....	1.00	1 Yaxley Potentiometer, 400 ohm.....	1.75
1 Hammarlund R. F. Coil, 17.....	2.50	1 Yaxley Jack, No. 3 C.....	.70
1 Hammarlund R. F. Coil, 18.....	2.50	1 Yaxley Jack, No. 3.....	.70
1 Hammarlund Auto Coil.....	3.50	1 Yaxley Pilot Light Switch.....	1.00
1 Hammarlund Shaft, 10 1/4" Long.....	.25	4 1A Amperites.....	4.40
6 Sangamo .5 By-Pass Series.....	5.40	2 112 Amperites.....	2.20
1 Sangamo .1 By-Pass Series.....	1.25	9 Eby Binding Post Engraved.....	1.35
4 Sangamo .005 By-Pass Series.....	2.80	4 Madison Multi-Chokes.....	26.00
1 Sangamo .001 By-Pass Series.....	.50	1 Antenna and Ground, Engraved.....	.30
1 Sangamo .002 By-Pass Series.....	.50	1 Bakelite Panel for Binding Posts, Drilled.....	1.00
1 Sangamo .00025 By-Pass Series.....	.40	1 Assortment of Nuts, Screws, Spaghetti, Brackets, Flexible Hook-up Wire and Bus Bar.....	1.50
2 Thordarson R-200.....	16.00		

Complete Kit Price \$118.70

Fritts Cabinet for L-R-4—7x24-12 deep—List \$22.50



New Remler Infradyne



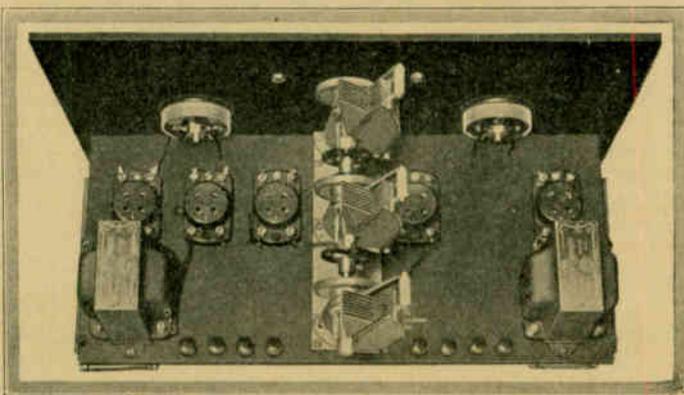
Latest Specified Parts for Infradyne Receiver

Parts as Specified in December Issue of Radio

1 Remler Infradyne Amplifier.....	\$25.00	1 Amperite No. 112.....	1.10
1 Cardwell 317 CL Triple Condenser.....	12.00	1 Amperite No. 1A.....	1.10
1 Remler No. 638 .00035 Condenser.....	4.50	1 Weston 0-5 volts.....	7.00
3 Silver Marshall Vernier Condenser No. 340.....	4.50	1 Lynch 1 Meg. Grid Leak.....	.50
1 Silver Marshall 110 B Inductance Coil.....	2.50	1 Lynch 2 Meg. Grid Leak.....	.50
1 Silver Marshall Coil Socket.....	1.00	1 Lynch Grid Leak Mount.....	.35
2 Silver Marshall 220 Audio Transformers.....	12.00	1 Yaxley Filament Switch.....	.50
1 Frost No. 886, 50,000 ohm Variable Resistance.....	1.50	1 Tobe .0001 Fixed Condensers.....	.35
1 C. R. L. 4 200,000 ohm Variable Resistance.....	2.00	1 Tobe .00025 Fixed Condenser.....	.35
1 Set (3) Camfield Duoformers.....	10.00	1 Tobe .0005 Fixed Condenser.....	.35
2 National Type B, CCW Dials.....	5.00	2 Tobe 1 Mfd. Condensers.....	1.25
1 Frost 30 ohm Baseboard Rheostats.....	.75	9 Eby Binding Posts.....	1.35
1 Frost Panel Mount Rheostat 30 ohm.....	.50	1 .0005 Condenser with clips.....	.45
1 Frost No. 954 Single Closed Jack.....	.45	1 Yaxley Plug and Cable.....	3.50
1 Frost No. 953 Single Open Jack.....	.40	1 Panel, 7x30x3/16 Bakelite Drilled and Engraved.....	7.85
3 Kurz-Kasch 2" Dials.....	1.20	1 Baseboard.....	2.65
7 Benjamin 4X Type Cushion Socket.....	5.25	1 Set Official Blue Prints.....	1.00

Complete Kit Price \$115.25

The New Ultimax Five Tube Receiver



It is a known fact that a vacuum tube has a natural tendency to oscillate at the lower wave lengths. In the Ultimax receiver practically uniform selectivity is obtained on low and high wave lengths alike, due to Ultimax Unit. This Unit is inserted in the plate circuit and superimposes a current on the oscillations of the tube.

The combination of the two frequencies result in practically uniform selectivity from 200-600 meters.

The Ultimax Unit, not only gives high selectivity over the broadcast band, but prevents all oscillations, squealing and radiation. Energy transfer from tube to tube is unusually high in addition.

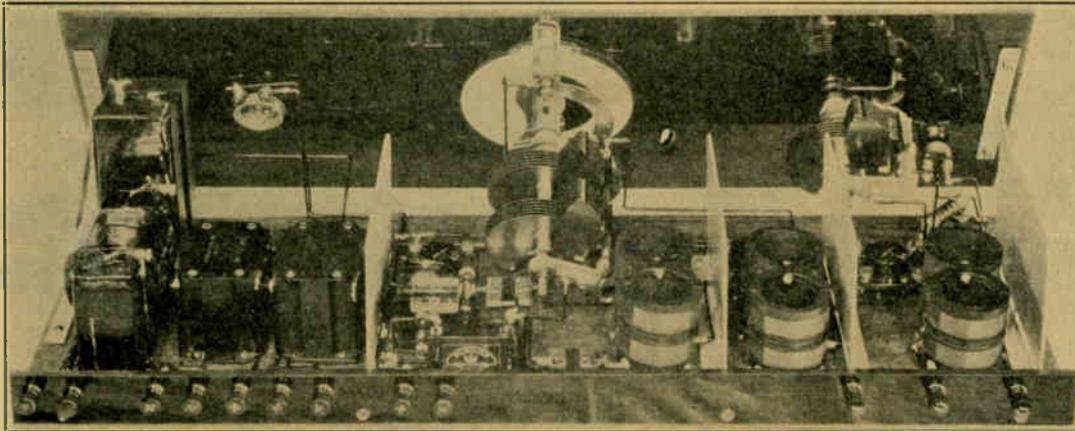
Authorized Parts for Ultimax Receiver

1 Ultimax Unit	2 No. 27 Pacent Super Audioformers (shielded)
1 Set of 3 Ultimax Coils	1 4 ohm Special Resistance Strip
1 Pacent No. 3251B 3 gang S. L. F. condenser	1 .002 Fixed Condenser, Dubilier
2 Hammarlund Jr. midget condenser Mc 5	1 .00025 Fixed Condenser
5 Pacent Universal Cushion Sockets	1 2 megohm Resistance, Daven
1 No. 62 Pacent Jack	8 Eby Engraved Posts
1 No. 95A 6 ohm Pacent Rheostat	1 Panel, 8½ x 16 x 3/16, Drilled and Engraved Panel
1 No. 65 Pacent Jack	1 Drilled Sub-panel 15 x 7 x 3/16
1 No. 95B 10 ohm Pacent Rheostat	2 Benjamin Sub-panel Brackets
1 No. 16 Pacent Battery Switch	1 Special Pillar Post
1 Kurz-Kasch Vernier Dial	1 Single Mnt.

Complete Kit Price \$64.40



Cockaday's Latest Development L. C. 27 Receiver Kit



Mr. Cockaday believes that this new circuit, which is the outstanding contribution of the Popular Radio Laboratory to the experimental set-builder for this year, constitutes not only one of the most important advances that has so far been made in the radio art, but that it is distinguished by a tonal quality—particularly in the lower registers—that is unsurpassed.

These features together with good distance range, simplicity of tuning and high selectivity makes the LC-27 one of the best receivers you can build to-day.

The LC-27 is non-regenerative and can be used with batteries, or power supply units, and is designed to fit the console and table type cabinets manufactured by Blandin or Corbett Mfg. Co.

Parts Exactly as Specified by Mr. Cockaday

Parts used in the Laboratory Model of the LC-27 Broadcast Receiver Described in October 1926 issue of Popular Radio

1 Hammarlund mid-line dual condenser, .000275 mfd...	\$7.50	4 Aluminum shields	1.75
1 Hammarlund mid-line single condenser, .000275 mfd.	4.65	3 Aerovox micafixed condensers, .00025 mfd.	1.05
1 Precision Duo-Octaform coil set comprising one antenna coupler and two interstage couplers.....	10.50	1 Durham or Lynch resistor, 4 megohms .....	.50
1 Amertran De Luxe first stage audio-frequency transformer	10.00	1 Lynch grid leak mounting .....	.35
1 Amertran De Luxe second stage audio-frequency transformer	10.00	1 Carter Gem single-circuit open jack .....	.25
1 Amertran choke No. 854	6.00	1 Carter variable resistance, zero—10,000 ohms	2.00
1 Dubilier No. 902 filter condenser: 4 mfd. or Tobe No. 604 filter condenser 4 mfd.	5.50	12 Eby binding posts	1.80
1 Dubilier No. 907 filter condenser .1 mfd. ....	.60	1 Binding post strip 11½ in. wide x 25¾ in. long x ¼ in. thick	1.50
1 Mar-co illuminated control, scale 0 to 100	3.50	1 Bakelite decorated panel, 8 x 26 in. as per specifications	7.50
2 Mar-co small controls especially for LC-27, scale 0 to 50 and 50 to 0	1.50	5 Benjamin UX sockets	3.75
1 Carter Battery Switch .....	.65	1 Amperite automatic filament adjuster for 1 amp. load.	1.10
1 Samson radio frequency choke coil No. 85	1.50	2 Tait brackets	2.00
		1 Mahogany baseboard	1.00
		1 Box of screws .....	.50
		30 feet of rubber wire .....	.30

Complete Kit Price \$85.20

Blandin Console

Blandin Cabinet

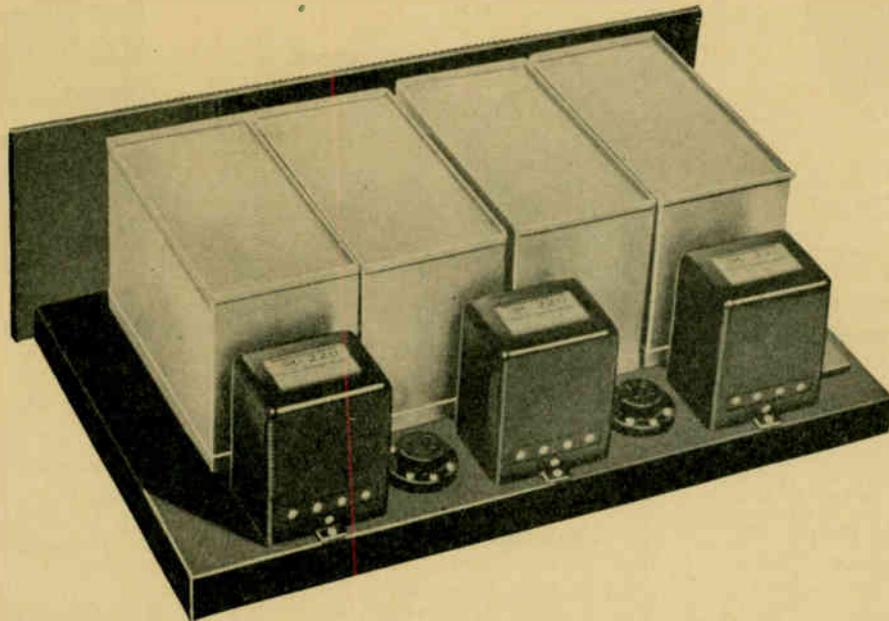
Designed for L. C. 27 Model S-15—Corbett Cabinets, Mahogany or Walnut—\$18 List Price.

Designed for L. C. 27 Model S-20-25—Combination Console—\$60. Model S-20—Cabinet only 27.50.

Recommended Accessories

Cockaday Intermediate Power Pack (with Relay) List.. 47.50 Cockaday Sr. Power Pack.....List.. 64.45
Davy RFT-1 A Eliminator (New List).....List..\$55.00

Silver Marshall - 630 Shielded Six



The Silver Shielded Six is one of the highest types of broadcast receivers ever developed, and is the result of painstaking engineering work over a period of years. The circuit employed consists of three stages of tuned radio frequency amplification, a detector and two stages of audio amplification.

The radio frequency amplifiers are regenerated by an arrangement new in amplifier design which causes them to function at practically peak efficiency over the entire broadcast wavelength range. Each stage, including the detector circuits, is completely shielded in individual aluminum stage shields, which prevent internal oscillation as well as pickup of outside noise and interference. These stage shields, together with the audio amplifiers, are mounted upon a heavy pressed steel chassis which renders the entire assembly a very rigid and rugged affair.

The four inductances (radio frequency transformers) are of the plug-in type with a guaranteed uniformity of better than two-tenths of one per cent. Further, their efficiency is far higher than that of average transformers, as the energy transfer is from two to three hundred per cent greater than that obtained with average transformers. The tuning condensers are of the straight line frequency type, so modified that ample dial space is given to the higher wave high-quality stations at the same time good dial spacing is obtained on low waves.

The entire assembly is metal thruout, with the exception of the bakelite insulation on the instruments. A steel chassis 19 $\frac{1}{4}$ " long and 12" deep carries all instruments and the connection terminal strip. The radio frequency circuits are all shielded separately with removable stage shields, only the audio amplifier being unshielded (the transformers themselves are shielded by their cases). The front panel is of bronze 7" x 21", finished in walnut with a marvelously true wood grain.

All coils and condensers are matched with the greatest care, so that in every Type 630 kit each condenser exactly fits each coil. Despite the remarkable production uniformity obtained in the Silver Marshall factory, every coil and condenser for a 630 kit is sent thru a number of additional laboratory tests to insure beyond the shadow of a doubt absolute uniformity.

In operation, the Shielded Six will give ample volume from local stations with an antenna three to four feet long in many cases. During the summer months in Chicago WOC, Davenport, is tuned in in daylight with a ten foot antenna. Normally, a twenty to thirty foot antenna will give plenty of volume on stations up to one to two thousand miles distant.

Complete detailed instructions and photos accompany each kit.

List Price \$95.⁰⁰

Type 633 Silver Shielded Six Essential Kit

The 633 kit contains four matched condensers, four matched radio frequency transformers, four coil sockets, four stage shields, a link motion and an instruction booklet. The same high standard of matching of coils and condensers is evident as in the 630 kit.

List Price \$45.⁰⁰

Fritts Cabinet (Walnut only) For This Receiver—List \$22.00



B-T Power Unit



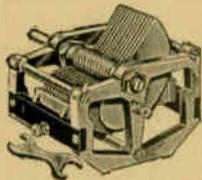
The B-T B-Power Unit has five terminals as shown, permitting four different voltages between these terminals.

There are also taps numbered 1, 2, 3, and 4, at one of which the small plug is inserted according to the number of tubes used.

In other words, with a set drawing only 15 to 20 milliamps use Tap No. 4. With a larger set, however, instead of allowing the voltage to drop as indicated by the dotted line the plug is simply moved to No. 3.

List Price \$39.50

B-T Lifetime Condensers



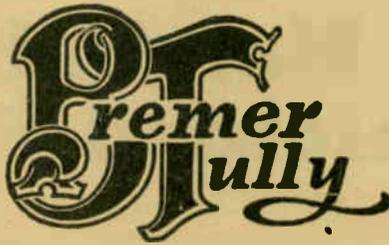
A masterpiece of mechanical construction, with resistance losses lower than "laboratory standards." The method of die-casting aluminum rotor and stator is exclusively B-T, resulting in absolute rigidity, permanent spacing and yet light in weight

and requires no counter-balance. When used with proper inductance Type L gives true straight line wave length.

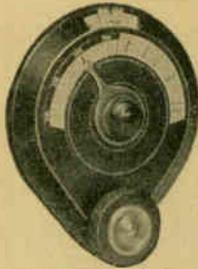
Code No.	Capacity	No. Plates	
L-7	.000125 (or 125 M. M. F.)	7	4.25
L-13	.00025 (or 250 M. M. F.)	13	4.50
L-17	.00035 (or 350 M. M. F.)	17	4.75
L-23	.0005 (or 500 M. M. F.)	23	5.00

B-T S.L.F. CONDENSER

Code No.	Capacity	No. Plates	
SLF-13	.00025 (or 250 M. M. F.)	13	5.50
SLF-17	.00035 (or 350 M. M. F.)	17	5.75
SLF-23	.0005 (or 500 M. M. F.)	23	5.75



B-T Tuning Control



with either right or left turning condensers. This is the only dial that reads in fractional degrees, if desired.

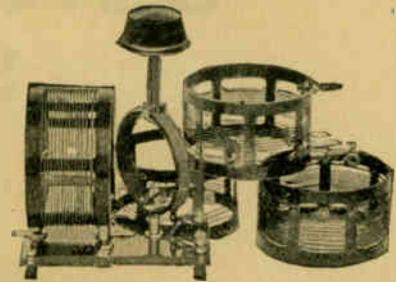
List Price, \$2.50

Bremer-Tully Parts

	List
B. T. R. F. choke.....	\$.90
B. T. Mikro Mike condenser	1.00
B. T. Thorostyle coils	4.00
B. T. Euphonic Transformer 2.2 to 1.	5.00
B. T. Euphonic Transformer 4.7 to 1.	5.75
B. T. UX socket .....	.75
B. T. UX Det. socket.....	1.00

B-T Short Wave Outfit

12 1/2 TO 200 METERS



The B-T short wave outfit answers the requirements of those who wish to cover the full short wave fields. Coils are interchangeable covering 12 1/2 to 25, 25 to 50, 50 to 100 and 100 to 200 meters using B-T, L-7 Condensers. Full details on how to build accompanies each Kit.

List Price, \$8.50

B-T Three Circuit Tuner

RA445—Type B, for Broadcast reception (200 to 565 meters with L-13 Condenser).

List \$5.00



B-T AIR CORE TRANSFORMERS

Two-circuit, bank wound skeleton frame transformer, similar to above tuner but without rotor. The adjustable primary provides for volume or selectivity.

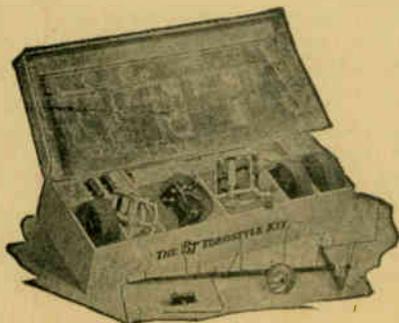
AC-3 Transformer (Adjustable).

List Price, \$3.50

New Bremer-Tully Power Six

POWER SIX

Complete Parts to Build This Receiver



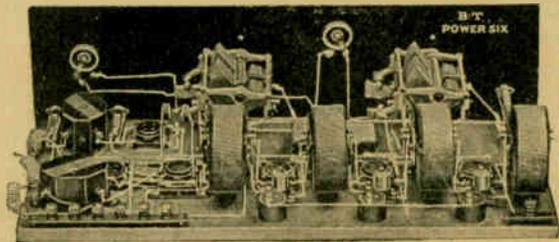
The success of the B-T Counterphase circuit during the past year has established its continued popularity. The selectivity and sensitivity of three stages of stabilized tuned radio frequency amplification appeal alike to the DX listener and those located in a maze of powerful stations.

Two-dial control of the four tuned circuits simplifies tuning to a degree to which none can seriously object. The methods employed insure exact resonance between all stages without materially adding to the difficulties of tuning. The new Counterphase Power-Six circuit is fundamentally the same now as when the original circuit was released. The changes are a natural result of the development and experience of the past year.

Contents of Essential Kit

The B-T Counterphase Power Six Kit contains: One TA Thorstyle Transformer, three Thorstyle transformers, 2 LD-17 condensers, 3 B-T MMF condensers, 3 B-T R. F. chokes, 1 B-T 500,000 ohm resistance, 3-1500 ohm resistances, and one set of color charts and diagrams.

List Price, \$41.50

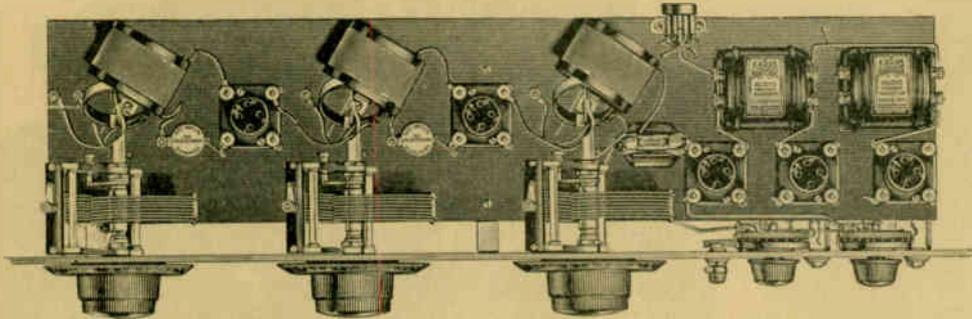


1 Bremer Tully No. 6 Power Kit	\$41.50
1 Crowe Metal Panel 7x24 drilled and engraved	6.50
2 B. T. Tuning controls	5.00
1 B. T. Euphonic transformer 2.2 to 1	5.00
1 B. T. Euphonic Transformer 4.7 to 1	5.75
3 Dubilier .006 condensers	2.25
1 Dubilier .001 Condenser .....	.40
2 Dubilier 1. Mfd. condenser	1.80
1 Dubilier .00025 fixed condenser.....	.35
1 Lynch 2 meg grid leak .....	.50
6 B. T. UX sockets.....	4.50
1 Frost 951 jack .....	.50
1 Frost 953 jack .....	.40
1 Carter Imp Battery switch .....	.65
1 Frost 3 ohm rheostat .....	.50
1 Yazley S. P. D. T.	1.00
7 Eby Posts	1.05
2 Post Panels	1.40
4 Angle brackets .....	.20
1 Baseboard 9 1/2 in. x 23 1/2 in.	1.00
1 Lynch Grid Leak Mount.....	.35

Complete Kit, \$79.60



The New Karas Equamatic



Fulfills in an extremely simple manner a very desirable and HIGHLY IMPORTANT FUNCTION that our foremost radio engineers have been striving to accomplish ever since the advent of radio broadcasting.

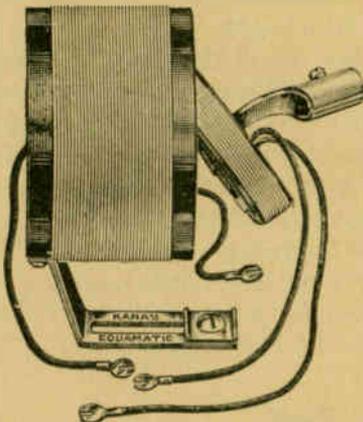
THE EQUAMATIC SYSTEM AUTOMATICALLY provides a CONTINUOUS PRACTICAL MAXIMUM and an absolutely EQUAL TRANSFER OF ENERGY between primary and secondary inductances at all wave lengths by a coupling system unique to radio engineering practice—it also ELIMINATES the overlapping of electrostatic and electromagnetic fields with their harmful, broadening and distorting effects.

Complete Parts of EQUAMATIC Receiver

3—Karas Equamatic R. F. Transformers.....	\$12.00	1—Yaxley Gold Filament Switch .....	.75
3—Karas Orthometric 17-plate 00037—mfd., Extended Shaft Condensers.....	21.00	1—Sangamo 0.00025 Fixed Grid Condenser with Clips.....	.50
3—Karas Micrometric Vernier Dials	10.50	1—Lynch 2-Megohm Grid Gate.....	.50
2—Karas Harmonik Audio Transformers	14.00	2—1-A type Amperite 6-Volt Resistors with Mountings.....	2.20
2—Karas Equamatic Retard Coils	2.00	1—Yaxley Multi Plug and Cable.....	3.50
1—Yaxley 30-ohm Rheostat with Gold Dial.....	1.50	5—Benjamin UX Cushion Sockets	3.75
1—Yaxley 10-ohm Rheostat with Gold Dial.....	1.50	1—Formica 7" x 28" Drilled and Engraved Panel.....	6.80
1—Yaxley Gold Interstage Phone Jack.....	1.05	1—Formica 6" x 27" Drilled and Engraved Sub-panel.....	4.69
1—Yaxley Gold Open-Circuit Phone Jack.....	.75	3—Karas Sub-Panel Brackets .....	.70
		Screws, Spaghetti, Bus Bar, Lugs, etc.....	1.00

Complete Kit Price — \$88.70

EQUAMATIC KARAS COILS



The other factor in sharp tuning is the EQUAMATIC coils. Designed according to the very latest known FACTS for efficient handling of radio frequency currents, they pass an EQUAL and MAXIMUM amount of energy from primary to secondary at ALL wave lengths.

Equamatic R. F. Coils, List.....\$4.00
Equamatic Retard Coils, List 1.00

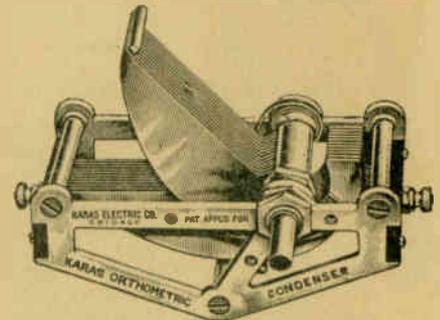
KARAS HARMONIK



The product of Karas engineering. One of the favored transformers of Amateur set builders. Amplifies high, middle and low tones in the same quality as the original. Completely shielded to avoid interstage coupling. All Ratio Audio.

List Price—\$7.00

KARAS ORTHOMETRIC

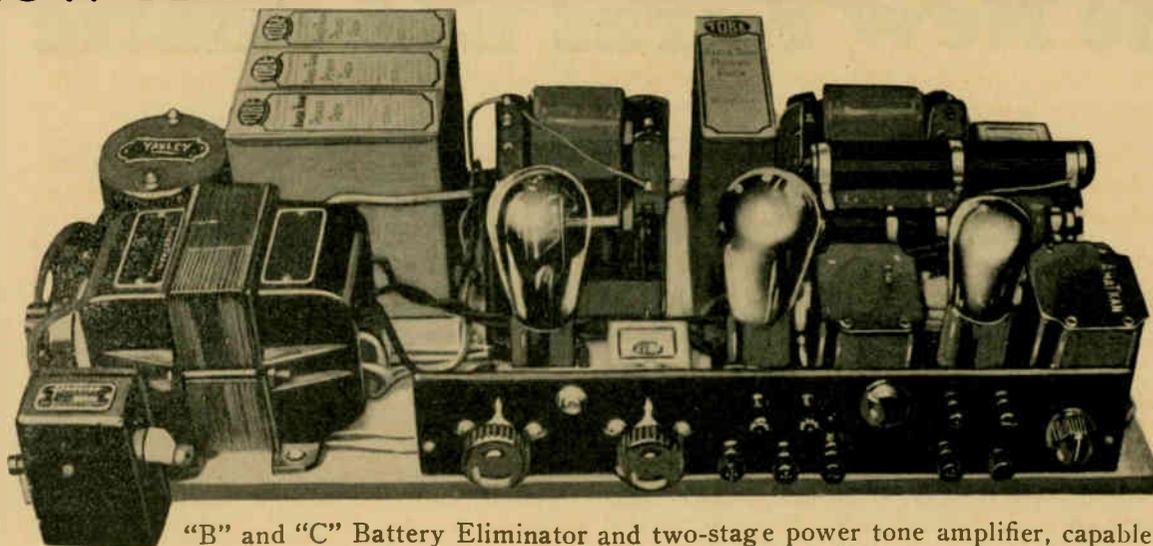


A Straight-Line-Frequency Condenser of exceptional design and efficiency. Positively eliminates crowding of stations at any part of dial. Increases set selectivity and simplifies tuning. Side bands are fully retained and resistance has been reduced to the lowest degree. Brings in powerful signals. A precision instrument designed and constructed by radio engineers of established reputation.

Plates	Capacity	List Price
23	.0005	\$7.00
17	.00037	6.75
11	.00025	6.50
7	.00014	6.50
5	.0001	6.50



New Amertran Automatic Power Unit



"B" and "C" Battery Eliminator and two-stage power tone amplifier, capable of being used with most standard receivers or tuners. This amplifier may be fitted into a standard 7 x 10 x 24. Wood or Metal Box.

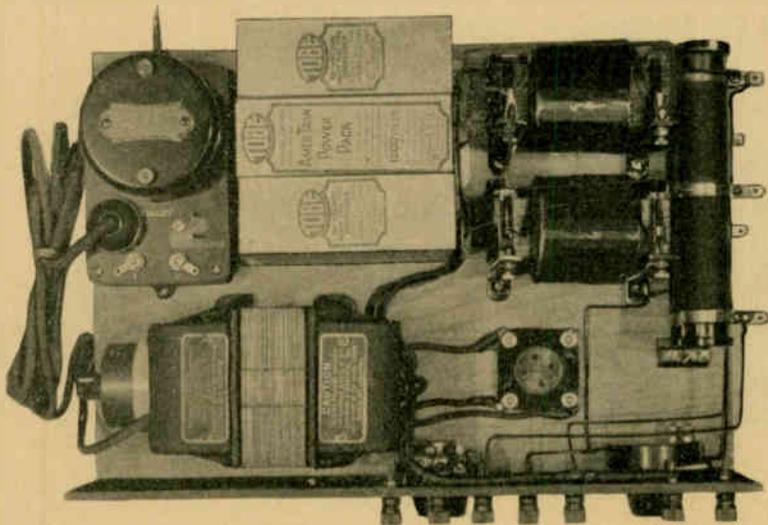
Parts as Authorized by Amertran

1 Amertran Power Transformer PF-52.....	\$18.00	3 Benjamin UX Sockets	2.25
1 Yaxley Automatic Power Control Type 444.....	5.00	2 Federal No. 25 Potentiometers	4.00
3 Amertran Chokes Type 854	18.00	1 Yaxley Junior Jack Type 704 .....	.75
2 Tobe Power Pack Condensers Type 602 2 mfd. (1000V)	7.00	1 Yaxley Midget Battery Switch .....	.50
2 Tobe Power Pack Condensers Type 604 4 mfd. (1000V)	12.00	1 Amperite	1.10
1 Amertran Resistor Type 400	7.50	1 C. R. L. 0-100,000 ohm Resistance.....	2.00
3 Tobe Type 301 1 mfd. Filter Condensers.....	3.75	9 Eby Marked Binding Posts.....	1.05
1 Amertran De Luxe—First Stage	10.00	1 Baseboard, 9¾x23½"	1.00
1 Amertran De Luxe—Second Stage	10.00	1 Panel, 4x23x3/16	2.50
		1 Set of Prints and Instructions	1.00

Complete Kit Price, \$107.40

NOTE: A precise N. 1600 Circuit Breaker may be used in series with the relay and lighting socket as protection in case of short circuits. List \$3.75

Cockaday's Improved Power Pack



Mr Cockaday's new and improved Power Pack Amplifier described in October issue of Popular Radio is the latest development in "Power Pack" amplifiers.

It operates directly off the 60-cycle, 110-volt alternating current lighting line and furnishes the "A, B and C" voltages for the amplifier and "B" voltage of 500 volts for the receiving set. It may be attached to any radio receiving set from a simple crystal set to the most complicated Super-Heterodyne.

It will supply to any radio receiving set, either manufactured or home built, "B" current up to 500 volts for extreme power.

Cockaday's Latest Specified Parts for Power Pack

1 Amertran PF-52 Transformer	\$18.00	1 Federal No. 25 Potentiometer	2.00
2 Amertran Chokes	12.00	1 C. R. L. Heavy Duty Variable Resistor.....	2.00
1 Amertran Resistor	7.50	7 Eby Binding Posts	1.05
1 Yaxley Relay Switch	5.00	1 Binding Post Panel	1.50
1 Eby Socket .....	.50	1 Baseboard	1.00
1 Tobe Type 604—4 Mfd. Power Pack Cond. (1000V)	6.00	25 Feet Rubber Covered Wire .....	.40
2 Tobe Type 602—2 Mfd. Power Pack Cond. (1000V)	7.00	1 Box of Screws .....	.50

Complete Kit Price, \$64.45

Dealers Discount Schedule

We have endeavored to give our dealers the maximum discount on all orders whether large or small. We feel sure that you will appreciate receiving a proper discount on your purchases without taking a larger quantity than you really need.

Keeping this in mind you will observe that most of our quotations are flat and apply to any quantity you may desire to order. You will notice that list prices only are shown in this catalog. Discount schedule should be removed and kept separately.

RETURNED GOODS

We accept full responsibility for all mistakes made by ourselves and stand ready to correct them at all times.

LOSS OR DAMAGE IN TRANSIT

The utmost care is taken in packing and shipping all orders. Therefore, our responsibility ceases when shipment is accepted by carrier. File claim immediately for any shortage or damage in transit, and upon request from you we will lend every assistance possible to effect a prompt adjustment.

PRICES—All prices and discounts are subject to market fluctuations and change without notice.

TERMS—We allow 2% cash discount on all orders. To merchants of established credit listed in the Commercial Registry we extend our regular terms of 2% ten days, net 30 days. Where the Commercial Agency assign no credit rating and we have had no previous dealings, we suggest that remittance or references accompany the order.

RETURNED GOODS—When you want to return goods for any reason, please write us explaining your reason and ask for our permission. This action is necessary for prompt adjustment.

SHORTAGES—All claims for shortages must be made within five days after receipt of order.

	Discount		Discount
Acme Apparatus Co.....	40%	Centralab Products	40%
Acme Transmitting Apparatus.....	25%	Corbett Cabinets	40%
Allen Bradley	35%	Cunningham Tubes	30%
Amperite	40%	Cardwell Condensers	35%
Aero Coils	40%	Celatsite Wire, Flexible (25 ft. per coil).....	.40
Aero Loops	40%	Celatsite bus bar.....	.05
Amertran Transformers	40%	Celatsite Battery Cables:	
Acme Spaghetti	40%	5 Wire .....	.60
Aluminum Co. of America.....	40%	6 Wire .....	.75
Ace Panels (American Hard Rubber).....	40%	7 Wire .....	.85
Air Gap Sockets.....	40%	Ceco Tubes	40%
Alden Mfg. Co. (Na-Ald).....	40%	Celatsite Spaghetti, per length.....	.06
Bakelite Panels	35%	Camfield Coils	40%
Baldwin, Nathaniel	40%	Crowe Metal Panels (for Bremer Tully).....	40%
Benjamin Electric Mfg. Co.....	40%	Daven Radio Co.....	40%
Blandin Cabinets	35%	Daven Tubes	30%
Bodine Electric Co.....	40%	Deutschman Tobe (Filter & Bypass Condensers).....	40%
Brach, L. S., Mfg. Co.....	40%	Dubilier Condenser & Radio Corp.....	40%
Bremer Tully Mfg. Co.....	40%	Davy Vertrex Trickle.....	40%
Bristophone Elec. Phonograph Amplifiers, \$45,	40%	Eby, H. H., Mfg. Co. (Binding Posts and Sock- ets)	40%
Brooklyn Metal Stamping Co. (B. M. S.).....	40%	Electrad, Inc.	40%
Browning Drake Receiver.....	35%	Elkay Equalizers	40%
Carborundum Co. (Detector Units and Crystals).....	35%	Exide "A" Power Units.....	35%
Carter Radio Co. (Jacks, Rheostats, etc.).....	40%	Exide Batteries	33½%

Wholesale Radio Service Co.

6 Church Street, New York, N. Y.

	Discount
Fahnstock Clips	40%
Single	List, per dozen, \$0.50
Double	List, per dozen, .75
Fritts Cabinets and Consoles.....	40%
Frost, H. H., Mfg. Co. (Rheostats, Jacks, etc.)...	40%
General Radio Winding (Gen-Win Coils).....	40%
Hammarlund Mfg. Co. (Condensers).....	35%
Heath Switches	40%
Hoyt Meters	35%
Hartford Storage Batteries:	Your Cost
130 Amperes	\$11.50
100 Amperes	9.75
Jefferson Elec. Mfg. Co. (Rejuvenators, Trans-	40%
formers)	40%
Jones, Howard B. (Multi-Plugs).....	40%
Kester Solder	35%
Karas Electric Mfg. Co.	35%
Kodel Radio Corp. (Trickle Chargers, Elemina-	40%
tors, etc.)	40%
Kurz-Kasch Co. (Dials).....	40%
Lynch, Arthur H. (Grid Leaks).....	40%
Madison Moore Transformers, List \$11.00 each.....	40%
Madison Moore Essential Kit, List \$55.00.....	40%
Mathieson Sandberg (Loops).....	40%
Martin Copeland (Mar-Co Dials).....	40%
Magnatron Tubes	40%
Mignon Condensers:	Your Cost
.00025 Mfd.	\$1.15
.00035 Mfd.	1.20
.0005 Mfd.	1.25
.00035 Mfd. Dual.....	3.25
.0005 Mfd. Dual.....	3.35
Modern "B" Compact Eliminator, List, \$32.00.....	40%
Mueller Elec. Co. (Battery Clips):	Cost per ten, \$0.33
Pee-Wee .....	.85
No. 27	1.60
No. 27 A .....	.65
No. 24 A .....	.40
No. 48 B	1.30
No. 21 A	40%
Na-Ald (Alden Mfg. Co.).....	35%
National Radio Products.....	40%
O'Neil Mfg. Co. (Cone Speakers).....	40%
Pacent Products	40%
Pacent Superaudiformers, Shielded, List, \$7.50.....	40%
Pfanstiehl Receiver	50%
Precise Mfg. Co.:	40%
Transformers	\$1.30
No. 999 Condensers—.00025 Mfd.	1.35
.0005 Mfd.	1.40
.00035 Mfd.	40%
No. 1600 Circuit Breaker, List, \$3.75.....	40%
Syncrodensers:	2.40
.00035 Mfd.	2.70
.0005 Mfd.	40%
Microdensers	1.20
Brackets, pair.....	.36
No. 744 Connector.....	.36

	Discount
Pyrex Insulators	35%
Precision Mfg. Co. (Coils).....	40%
Phone Cords:	\$0.15
Single (for loudspeakers).....	.20
Double (for phones).....	.07
Phone Tips, per dozen.....	.07
Panels:	40%
Ace Hard Rubber.....	40%
Radion	35%
Bakelite	40%
Powerizer (Radio Receptrad Co.) List \$55.00 ...	40%
Radiall Co. Amperites).....	35%
Raytheon Tubes	40%
Radio Receptrad Co. (Powerizer).....	40%
Radion Panels (American Hard Rubber).....	40%
Remler Mfg. Co.....	40%
Samson Electric Co.....	40%
Sangamo Electric Mfg. Co. (Condensers).....	40%
Scott Transformers (Selectone).....	35%
Silver-Marshall, Inc.	Your Cost
Sickles, F. W.	\$1.30
No. 30 Shielded T. R. F. Coils.....	5.20
No. 18A Roberts Coils.....	4.85
No. 24 Browning Drake Coils.....	Your Cost
Soldering Irons (National Specialties Co., Fort	\$.98
Wayne, Ind.)	2.15
No. 49 Small, 55 Watt	4.25
No. 56 Medium, 70 Watt .....	.65
No. 145 Heavy Duty, 200 Watt.....	\$1.25
Extra Tips for No. 145 Iron.....	2.25
Searchlight Batteries:	2.95
22½ Volt, Flat or Upright.....	.35
45 Volt, Large Flat or Upright.....	\$1.20
45 Volt, Heavy Duty.....	.40%
4½ Volt, C Batteries.....	40%
Tait, Brackets, pair.....	40%
Thor Couplers	40%
Thorola Coils	40%
Tobe Deutschmann (Condensers).....	40%
Thordarson Elec. Mfg. Co.....	40%
Ultradyne	40%
Victoreen Products	40%
Variodensers (X. L. Laboratories).....	40%
Weston Elec. Inst. Co.:	35%
Model 506 Meters, Plugs and Pin Jack Me-	25%
ters	35%
All other models.....	35%
Willard Storage Battery Co.:	Your Cost
"A" and "B" Eliminators.....	\$13.95
Willard Batteries:	10.75
120 Amp. Rubber Case	10.00
100 Amp. Rubber Case	8.75
75 Amp. Rubber Case	40%
40 Amp. Glass Case, Wood Separators...	40%
X. L. Laboratories (Variodensers).....	40%
Yaxley Mfg. Co. (Rheostats, Jacks, etc.).....	40%

Closing Out Specials!

Quantity Limited—General

	List	Special
EZ toon 4" Vernier Dials.....	\$2.00	\$.29
Accuratune Micrometer Dials....	3.50	1.10
Accuratune Illuminated Dial....	2.50	1.15
Marco No. 192 Vernier Dial.....	2.50	1.25
Rathbun .0005 Condensers.....	3.50	.75
Kurz-Kasch 4" Blk. Dials.....	.85	.25
Stevens Panel Cutters, Set of 3...	2.50	.95
Cardwell Model 132B .00035.....	4.75	1.45
Gen-Win 3 Circuit Tuners.....	2.50	1.35
Federal UV-199 Sockets.....	1.00	.25
Tower Cone Speaker.....	9.50	5.25



Special 65C
Concentric SLF Condensers
made of duraluminum with steel
shaft and insulated with Pyrex.
List Price, \$6.00.

Instrument SLF Condensers

Federal Single Jacks.....	.70	.25
Federal Double Jacks.....	.80	.25
N. Y. Coil Condenser, .001; .002;	.50	.10
.005	15.00	7.00
Carter Loop Aerials	12.50	4.95
Aero Loops .....	.40	.10
Micomald Leak (all sizes).....	.50	.10
Micomald Condensers (all sizes)..	.75	.25
Micomald Lightning Arresters...	5.00	1.50
Brandes Phones	2.50	.95
Superette Phones .....	.95	.95

Dealers Prices on Kit Sets

WE ALLOW 2% CASH DISCOUNT ON ALL ORDERS

We have built up a national reputation on our service to dealers on kits and special apparatus. By purchasing your kits here you not only assure yourself of the correct price, but save many dollars through delays in obtaining the parts from a dozen jobbers.

Our kits are complete in every detail. Every part is in exact accordance with the designer's specifications.

	Your Cost		Your Cost
Amertran Automatic Power Unit:		Remler Infradyna Kit:	
Complete Kit—List, \$107.40	\$64.44	Complete Kit—List, \$115.25	\$74.91
Broadcast Lab. Circuit:		Remler Best Super Kit:	
Latest Model		Complete Kit—List, \$89.65	58.27
Complete Kit—List, \$78.50	47.10	R. G. S. Receiver Kit:	
Bremer Tully Power Six:		Complete Kit—List, \$69.70	45.30
Complete Kit—List, \$79.60	47.76	Samson Dual Kit:	
The New Improved Browning Drake Kit:		Complete Kit—List \$64.10	38.46
Complete Kit—List, \$67.45	43.85	Silver Marshall 830 Kit:	
Cardwell Two Tube Short Wave Kit:		Complete Kit—List, \$95.00	61.75
Complete Kit—List, \$48.05	31.20	Silver Marshall 833 Kit:	
Cockaday L. C. 27 Kit:		633 Essential Kit—List \$45.00	29.25
Complete Kit—List, \$85.20	51.12	Silver Marshall S. C. Kit:	
Cockaday Senior Power Pack:		Complete Kit—List, \$56.75	36.88
Complete Kit—List, \$64.45	38.67	Thordarson R-210 Power Compact:	
Cockaday Intermediate Power Pack:		Complete Kit—List, \$44.65	26.79
Complete Kit—List, \$47.50	28.50	Thordarson R-171 Power Compact:	
Cotton 1927 Super Receiver:		Complete Kit—List, \$55.10	33.06
Complete Kit—List, \$135.55	81.33	Victoreen Super Kit:	
Daven Bass Note Kit:		Complete Kit—List, \$79.80	47.88
Complete Kit—List, \$61.50	39.97	With Hammarlund Condensers—List, \$82.80	49.88
Hammarlund High-Q Kit:		Victoreen Universal Kit:	
Complete Kit—List, \$63.05	38.98	Complete Kit—List, \$111.55	66.93
Henry-Lyford Kit:		With Samson Symphonic Transformers—	
Complete Kit—List, \$69.50	45.17	List, \$115.50	69.30
Karas Equamatic Kit:		World's Record Super:	
Complete Kit—List, \$88.70	57.65	Complete Kit—List, \$87.00	52.20
Loftin-White Receiver:		Qualitone Loop for same—List, \$10.00	6.90
Complete Kit—List, \$85.10	51.06	Ultimax Kit:	
Madison Moore One Spot Super:		Complete Kit—List, \$64.40	38.64
Complete Kit—List, \$123.80	74.23	Ultradyn L. R. 4 Receiver:	
		Complete Kit—List, \$118.70	71.22

MISCELLANEOUS

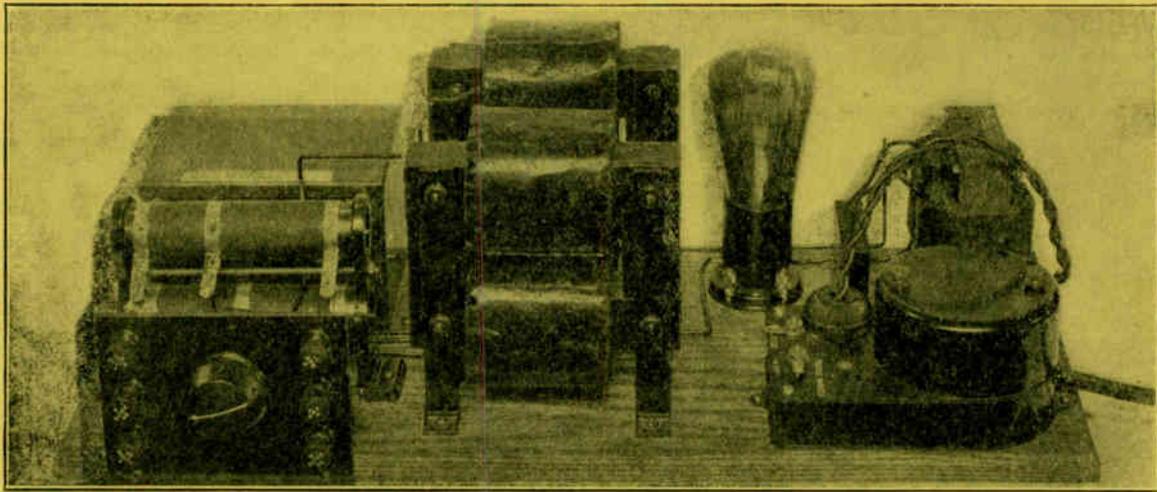
	Your Cost
Aerial Wire	
No. 50—7-24 Strand Copper 100 ft. Coils	.29
7-24 Strand Copper 200 ft. Coils	.56
7-24 Strand Copper 500 ft. Coils	1.46
No. 51—7-22 Strand Copper 100 ft. Coils	.43
7-22 Strand Copper 200 ft. Coils	.85
7-22 Strand Copper 500 ft. Coils	2.10
No. 56—7-22 Strand Enameled 100 ft. Coils	.52
7-22 Strand Enameled 200 ft. Coils	1.00
7-22 Strand Enameled 500 ft. Coils	2.50
No. 65—Braided Copper Ribbon 100 ft. Coils	.75
No. 67—Braided Enameled Ribbon 100 ft. Coils	1.05
Annunciator Wire (1/4 lb. Coils)	.21
No. 100—No. 18 Wire, 50 ft. Coils	1.05
Lead—In Wire	
No. 150—Rubber Covered 25 ft. Coils	.22
Rubber Covered 50 ft. Coils	.42
No. 151—Rubber Covered 75 ft. Coils	.60
No. 152—Rubber Covered 100 ft. Coils	.80
Buss Wire	
1 Package of 100 Lengths, Round Gauge 14	.90
1 Package of 100 Lengths, Square Gauge 14	1.00
Arresters	
S-H Arrester	.18
Wirt Arrester	.75
Aerial Outfits	
Aero Aerial Kit	\$1.50
Battery Cables	
5 Wire Colored Cable	.30
6 Wire Colored Cable	.40
7 Wire Colored Cable	.45
8 Wire Colored Cable	.55
100 ft. Reels, 5 Wire Cable	5.00
100 ft. Reels, 6 Wire Cable	5.50
100 ft. Reels, 7 Wire Cable	6.00
100 ft. Reels, 8 Wire Cable	7.00
Battery Mat	.38
Dial Pointers	
De Luxe Dial Pointers, each	.06
Screw Assortments	
100 Pieces Screw Assortment	.30
Hydrometers	Your Cost
Ala Hydrometers	.32
Tell-Tale Hydrometers	.55
Ala Hydrometer Part, 45% Discount.	
Tell-Tale Hydrometer Part, 45% Discount.	

MISCELLANEOUS

	Your Cost
Insulators	
Glass Insulators, 3 1/4 inches long	.07
Wirt Wall Insulator	.30
Composition, 5 1/4 inches long, per 100	5.10
Composition, 10 inches long	.35
Porcelain Battery Switches	
Single Pole, Single Throw	.12
Single Pole, Double Throw	.19
Double Pole, Single Throw	.21
Double Pole, Double Throw	.30
Ground Clamps	
For 1 inch Pipe	\$.03 1/2
For 2 inch Pipe	.06
Binding Post Strips	
Binding Post Strips, Drilled and Engraved	\$.12 1/2
Binding Post Strips, with Metal Posts	.28
Terminal Display	
Terminal Display containing 5,225 Assorted Lugs	\$5.40
Phone Cords	
Single (For Loud Speakers)	.15
Double (For Phones)	.20
Window Lead-Ins	.08
"WRS" Extension Cords	
10 ft. Extension Cord (Without Connector)	.20
20 ft. Extension Cord (Without Connector)	.38
30 ft. Extension Cord (Without Connector)	.55
40 ft. Extension Cord (Without Connector)	.75
50 ft. Extension Cord (Without Connector)	.90
With B.M.S. Connector, 30c extra.	
Battery Ga-Jit (General Instrument)	.75
Pawood Circle Cutters, 1-4 inches	1.62
Windham Wire Formers	.75
Marion Products	
Flip Flop Toaster	\$2.75
Model 264 Percolator	4.06
Electric Iron, with Stand	3.00
Rextron Tubes, UX 201 A	.75
Radion Garfield Brackets—List, \$1.25	40%
White Cross Dial	40%
Yankee Meters:	
0-50 Voltmeter	\$.55
0-85 Ammeter	.53
Combination Volt Ammeter	.80
Hi-dro-meter	.87

Cockaday's Intermediate Power Pack

CAN BE USED FOR ANY RECEIVER



This new unit, which is here described, has similar characteristics of the LC Senior Power-Pack except that the power tube in the set is supplied with filament current from the "A" power unit. The voltage supplied is correct for the operation of the UX-171 type power tube in the receiver. This new unit gives the same type of quality reproduction as its larger brother and will supply ample volume for ordinary home use. It furnishes over 200 volts for the UX-171 type tube that is used in the last stage of the LC-27 receiver when operated from this unit. It supplies approximately 90 volts for the first and second stages of radio-frequency amplification; it also supplies approximately 45 volts for the plate circuit of the detector tube. A "C" battery potential of 20 to 50 volts is also available from this unit for the power tube.

Complete Parts as Specified by Mr. Cockaday INTERMEDIATE POWER PACK

1—Filtrex A-C Transformer, Type K 180.....	\$ 5.25
1—Na-ald Socket, Type 481 X.....	.35
2—Filtrex Choke Coils, Type K @ \$6.75.....	13.50
6—Eby Binding Posts.....	.90
1—Acracoon Condenser Block 14mfd.....	11.00
1—Acracoon Filter Condenser, 1mfd., 400 volts, D. C.....	1.00
1—Hardwood Baseboard, walnut finish, 7¾ inches x 18 inches x ½ inch.....	.85
1—Hardwick, Field & Leeb Resistance Unit, Type 200, 20,000 ohms total resistance, tapped to obtain correct voltages.....	5.25
1—Centralab High-current Variable Resistance, 2,000 ohms total.....	2.00
1—Bakelite Binding Post Panel, 3¼ inches x 4¼ inches x 3/32 inch, drilled.....	.50
1—Set Popular Radio Blueprints and Construction Booklet.....	1.00
1—Celatsite Connecting Wire, Screws, etc.....	.50
1—Eight-foot Twisted Silk Lamp Cord with Attached Plug.....	.40
Yaxley Automatic Relay Switch, No. 444.....	5.00

Complete Kit Price \$47.50

DAVY "A" POWER UNITS



DISCOUNT 35%

ABSOLUTELY WITHOUT HUM

DAVY "A" POWER rectifies the full A. C. Wave and by using a novel filter circuit suppresses the ripple below the limits of audibility. It allows a variation of voltage from practically any value up to 6V. A regulator prevents the voltage from rising over the limit value and overloading the filaments or damaging the tubes.

It may be used with any type of set. The unit is designed primarily for operation with four to six tube sets, using 201 A Tubes, min. cap. 1 amp., max. cap. 1½ amp.

Steady, unflinching current supply. Ordinary line voltage fluctuations will not interfere with reception.

The rectigon tubes operate considerably under their rated output and should last for thousands of hours.

RFT—Davy "A" Eliminator for 1½ Amp.....	List \$49.50
RFT1—Davy "A" Eliminator for 1¾ Amp.....	List 55.00
RFT2—"A" Eliminator 2 Amp. (For 8 Tubes).....	List 58.50

Cunningham RADIO TUBES

DISCOUNT 30%

	List Price
CX300A—Super Sensitive Detector.....	\$4.00
CX301A—Detector and Amplifier.....	1.75
CX112 —Power Tube	4.50
CX371 —Power Tube	4.50
C 299 —Dry Cell Detector and Amplifier.....	2.25
CX299 —Dry Cell Detector and Amplifier.....	2.25
CX220 —Dry Cell Power Tube.....	2.50
CX313 —Full Wave Rectifier.....	5.00
CX316B—Single Wave Rectifier.....	7.50
CX310 —Heavy Duty Power Tube.....	9.00
CX374 —Voltage Regulator.....	5.50



The Latest in Knock-Down Kits

At this time of going to press, we find three receiver kits worthy of description in our catalog.

Unfortunately no pictures of same are to be had, so we are

listing them below and we do not hesitate to recommend either or all of them very highly.

Complete descriptions of these kits may be found in Citizens' Radio Call Book.

The World's Record Super Receiver

1 Bakelite Panel, 7 x 21, Drilled and Engraved.....	\$6.00	1 Dubilier Condensers, .002 mfd. Condenser.....	.40
1 Baseboard, 9 x 20.....	1.00	1 Dubilier Condenser, .001 mfd.....	.40
2 Samson Symphonic Transformers.....	18.00	1 Dubilier Condenser, .005 mfd.....	.60
2 Carter Rheostats (6 ohm).....	2.00	1 XL Variodenser, Type N.....	1.00
1 Carter High Pot Resistance, 500,000 ohm.....	2.25	2 Selectone L. W. Transf. R400.....	12.00
1 Carter Jack No. 1, Single Circuit.....	.15	2 Selectone L. W. Transf R410.....	12.00
1 Carter Jack No. 2A.....	.30	1 Daven 2 meg. Leak.....	.50
1 Carter Filament Switch.....	.65	1 Yaxley Multi-Plug and Cable.....	3.50
2 Remar or Samson Uniform Frequency Condenser.....	11.00	6 Eby Binding Posts.....	.90
1 Elkay 1/4 amp. and Mount.....	.75	2 Binding Post Panel, 3 x 3/4 x 1/8.....	.40
8 Frost Sockets.....	3.20	2 Kurz-Kasch Vernier Dials.....	4.00
1 Thor Coupler, No. 460.....	3.50	20 Lengths of Bus Bar.....	.40
2 Dubilier Condensers, .1 mfd. Type 907.....	1.20	1 Box of Screws, Lugs, Nuts, etc.....	.50
1 Dubilier Condenser, .00025 mfd. Condenser.....	.40		

Complete Kit Price—\$87.00

Cotton 1927 Super Receiver

Described in Citizens Radio Call Book

2 Samson 500 Mmf. Condensers.....	\$11.00	1 Samson Symphonic Transformer.....	9.00
1 Midget Hammarlund Variable Condenser.....	1.80	8 Benjamin Sockets.....	6.00
2 Tobe Grid Condensers, .0005 mfd.....	.70	2 Lynch 6 Meg. Leaks.....	1.00
2 Samson R. F. Chokes, No. 85.....	4.00	1 Samson New Type, Double Wound Coupler.....	2.50
1 Samson R. F. No. 125 Chokes.....	2.25	1 Samson Wave Band Filter.....	12.00
6 Samson No. 500 R. F. Chokes.....	14.50	11 Eby Binding Posts.....	1.65
2 Samson No. 3 A. F. Chokes.....	6.50	2 Samson Vernier Dials.....	5.00
3 Tobe .001.....	1.20	1 Amperite No. 1.....	1.10
1 Tobe .002.....	.40	3 Amperite No. 112.....	3.30
7 Tobe .1 By-Passes.....	4.20	1 Hammarlund Shield.....	2.00
2 Tobe 2 Mfd. Filter Condensers.....	3.50	1 Carter Switch.....	.65
2 Tobe 4 Mfd. Filter Condensers.....	7.00	1 C. R. L. Volume Control.....	2.00
1 Samson Type G Impedance.....	4.50	1 Bakelite Drilled and Engraved Panel, 8 x 24 x 1/8.....	10.00
1 Samson Type P. Impedance.....	4.50	1 Bakelite Sub Panel, 12 x 23 x 1/8, Driller.....	8.00
1 Samson Type O Impedance.....	5.00	25 Lengths of Bus Wire.....	.30

Complete Kit Price—\$135.55

The New Improved Browning-Drake Receiver

1 Browning-Drake Kit (Coils, Condensers and Illuminated Vernier Dials).....	\$25.00	1 Yaxley No. 10 Midget Battery Switch.....	.50
1 Browning-Drake Foundation Unit (Drilled Subpanel with sockets, etc.; front panel and brackets).....	15.00	1 Yaxley No. 130-K Rheostat 30 Ohms.....	1.35
1 National Impedaformer (1st stage).....	5.50	8 Eby Binding Posts (Antenna, Ground, A— [A— and B— combined] B— Detector, B+ Amplifier, C—, C—), 15c each.....	1.20
2 National Impedaformer (2nd-3rd stage).....	11.00	1 Precise No. 940 Midget .0001 Variable Antenna Microdenser.....	1.75
1 Tobe .1 mfd. Browning-Drake Type By-Pass Condenser.....	.60	1 Browning-Drake 33 ohm Resistance Cartridge.....	.75
3 .001 Tiny Tobe Fixed Condensers, each.....	.40	2 Resistors 1/4 meg. (Tobe Tipon) 50c each.....	1.00
1 .00007 Tiny Tobe Fixed Condenser.....	.40	1 Resistor 8 meg. (Tobe Tipon).....	.75
2 Yaxley No. 416 Pup Jacks, each.....	.15	1 Browning-Drake Balancing-Neutralizing Device.....	1.00
		1 Amperite 0.8 ohm, 1 1/4 amps., Type 5-A.....	1.10

Complete Kit Price—\$67.45



The Pacent Powerformer

A Combination Power Amplifier and "B" Eliminator.

It is no exaggeration to say that with the development of the Powerformer by a group of engineers under the direction of Louis Gerard Pacent, a new day has dawned in radio. By adding the Pacent Powerformer to your receiving set, you literally sweep aside the intervening space between the broadcasting station and your own fireside. Both music and speech reach you, loud or soft as you desire, undistorted, perfectly clear, and in a manner which has heretofore been impossible.

With the PACENT POWERFORMER you eliminate the B Batteries, and by simply plugging into your electric light socket or outlet, you enjoy a constant, even, never decreasing source of B current at a cost almost too small to be taken into consideration.

THE PACENT POWERFORMER can be operated from any 60 cycle 110 volt alternating current house supply, and consumes no more current than an ordinary 60 watt lamp. It is only 8"x8"x10" and weighs approximately 32 pounds—therefore truly portable.

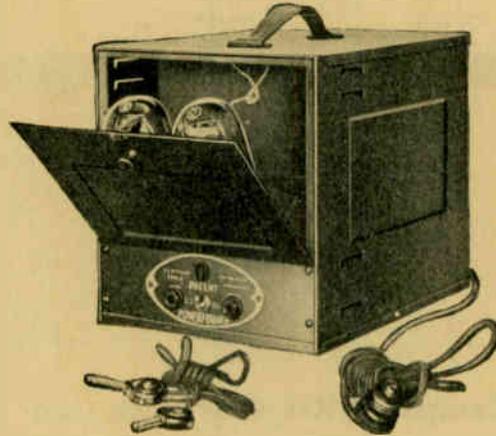
Wherever you are, whatever set you use with a good loud speaker (cone type preferred) it gives you absolutely exceptional results.

Description

Its case is entirely of metal, with the exception of the leather handle, and is most attractive, being finished in a neutral satin bronze duco, rendering it suitable for association with any radio receiving set and loud speaker.

Its lines and coloring have been especially designed and adopted so that it will harmonize with the surrounding house furnishings.

A hinged door on the front of the cabinet provides easy access to the tubes. Below the door there is an attractive face plate, with an input jack and an output jack, a tumbler type control switch and a red pilot light, which indicates whether the POWERFORMER is "on" or "off."



OPERATION AND INSTALLATION

The POWERFORMER is simplicity itself. That, in fact, is what makes it so striking, aside from the marvelous results obtained. There are no adjustments, no controls, no fussy meters to watch. The usual receiver, rheostats and tuners control the loud speaker volume obtained with the POWERFORMER, from a mere whisper to a thunderous rendition, always without distortion.

To connect, simply hook up one end of the connecting cord to the first audio stage of your receiving set by either plugging into the jack usually provided for headphones, or if no head-phone jack is provided, use either Pacent No. 24 Adapter for Navy Standard Sockets or Pacent No. 34 Adapter for U. X. type sockets. The other end of the connecting cord is then plugged into the "input" jack of the POWERFORMER.

Then plug the loud speaker cord into the "output" jack of the POWERFORMER, turn the tumbler switch to "on" and the POWERFORMER is at work.

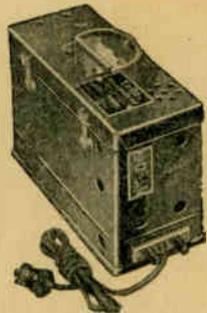
List price (exclusive of tubes, but including all necessary connections)\$97.50

The following are required:

- 1 UX-216 or CX-316B Rectifying Tube, \$7.50
- 1 UX-210 or CX-310 Amplifying Tube, \$9.00

This device is only guaranteed when used with genuine Radio Corporation of America or Cunningham Tubes.

Exide "A" Power Unit



The Model 3A Exide Radio Power Unit meets the demand for a compact, easily operated, safe and silent source of uniform, non-pulsating, continuous current for the filament excitation of the tubes in radio sets. It takes the place of both the ordinary "A" battery and its charger.

There are two sizes of Units, as follows:

Type	Cat. No.	For Use with Tubes Rated at
Model 3A—6 Volt	16386	5 to 6 Volts, as types 201A and 112.
Model 3A—4 Volt	16384	3 to 4 Volts, as types 199 and 120.

Both sizes are for use on the ordinary 105 to 125 volt, 50 to 60 cycle, alternating current house supply and may be plugged into any convenient socket or outlet in the house. The current consumption is between that of a 10-watt lamp and a 25-watt lamp, depending upon the voltage rating of the Unit and the tap used.

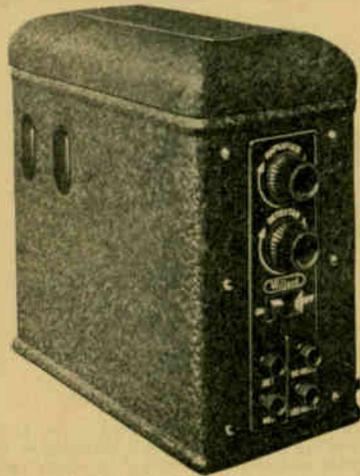
Model 3A is not designed for operation on any direct current supply nor on less than 50 cycle alternating current supply and should not be connected to such a source of current.

The Unit consists of a substantial and easily carried case in which is permanently located a specially designed rectifier and an Exide Battery. A storage battery is recognized as the most desirable source of current for radio "A" circuits and this Exide Unit practically takes care of itself, normally requiring the addition of water to the battery only once a year.

Model 3 A—6 Volt List \$30.00
" 3 A—4 Volt " 25.00

Willard Storage Batteries and Eliminators

Willard "B" Power Unit



The Willard "B" Power Unit is designed for service in place of the "B" battery on any receiving set where 110 volt, 60 cycle AC lighting line is available. It is very simple to install and operate.

The rectifier is of the chemical type, which is superior to the tungsten bulb type for "B" power. It consists of four units connected in such a way that full wave rectification is secured.

The chemical solution in the rectifier should last approximately one year, with normal service, when it should be renewed.

There are variable voltage taps for the detector and amplifier which allow very close regulation and insure maximum results from the receiving set.

"B" Power Unit—List \$35.00

Willard 100 Ampere Rubber Case Battery



Willard storage batteries possess many advantages not found in others. Their exceptionally heavy plates made of the same quality as used in the Willard automobile batteries, insure long life and an even, constant flow of current to the filament of the tubes.

It is of one hundred ampere capacity in a beautiful Willard rubber case.

- 120 Amp. Rubber Case, List.....\$19.50
- 100 Amp. Rubber Case, List..... 18.00
- 75 Amp. Rubber Case, List..... 15.50
- 40 Amp. Glass Case, List..... 13.75

**Willard "A" Power Unit
6 Volt**



The Willard "A" unit solves the discharged battery problem with its attendant annoyance and inconvenience. Battery charging can be forgotten as the unit is put into use by merely throwing a switch.

Both units are of the same size, 9 3/4 x 9 3/4 x 9 3/4 inches high.

The only connections necessary are the two leads to the receiving set and the plug for the 110 volt house lighting line.

Six Volt "A" Power Unit, \$47.50

Exide

RADIO POWER UNIT



THE ENTIRE LINE EXIDE RADIO BATTERIES

In the complete line of Exide Radio Batteries, of course, you will find every current supply necessary to the satisfactory operation of your set. Type LXL, the 6-volt "A" battery, is made in the following capacities: 50, 75, 100, 125 and 150 ampere hours. Type 2-KZR-3 and 1-KZR-5, the 4-volt and 2-volt "A" batteries respectively, will remain the popular choice of those who use low-voltage tubes.

EXIDE "A" BATTERIES

Type	Cat. No.	Capacity Volts Amp. Hrs.	Price Each
3-LXL-5-1	16450	6 50	\$12.30
3-LXL-7-1	16451	6 75	14.55
3-LXL-9-1	16452	6 100	17.65
3-LXL-11-1	16453	6 125	20.60
3-LXL-13-1	16454	6 150	23.90
2-KZR-3	14231	4 12	6.00
2-LXL-5-1	13920	4 50	9.85
1-KZR-5	14230	2 24	4.90
1-LXL-9	15071	2 100	7.50

Hartford Rubber Case Storage Battery



Hartford Batteries are specially designed and constructed for radio work. Their exceptionally heavy plates insure long life. Every battery is guaranteed for 18 months against mechanical and electrical defects.

- 100 Amp. Rubber Case.....\$16.00
- 130 Amp Rubber Case..... 20.00

The Davy Vertrex Automatic Charger



The Vertrex Automatic Charger is absolutely dry and functions without heat or hum. Its circuit is so arranged that if a "B" eliminator is used in conjunction with it the simple operation of switching the radio receiver "on" or "off" will respectively bring the "B" eliminator into operation or disconnect it from the receiver automatically.

When the radio receiver is not in operation the storage battery is automatically kept fully charged so that it is always ready for use. Notwithstanding, there is no danger of overcharging the battery.

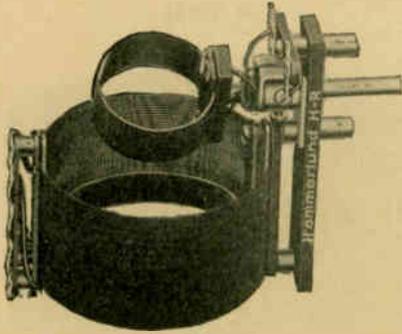
The charging rate of the Vertrex Automatic Charger is slightly above half an ampere and rises to almost one ampere if the voltage of the storage battery to which it is connected drops below normal as a result of abnormal use.

Thus it is evident that the Vertrex Automatic Charger will satisfactorily serve the owners of practically all classes of multi-tube radio receivers.

List Price, \$17.50



Hammarlund Space-Wound Coils



By an ingenious process, Hammarlund engineers have found a way to wind a solenoid coil with a definite space between turns, and supported by a mere film of dielectric material. By firmly anchoring the wire to the dielectric, short circuits are impossible.

Distributed capacity and resistance are at a minimum, thus extreme sensitivity and sharp tuning are inherent qualities of Hammarlund Space-Wound Coils.

The small diameter, 2 inches, permits mounting of coils closer together, and the smaller field reduces undesirable coupling between stages. External pick-up is small with consequent reduction of interference.

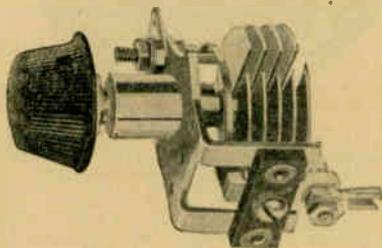
HR—23 Coils for all "Roberts" Circuits, including Antenna Coil and Coupler Coil, \$7.50 per set. Used with .0005 Condensers.

Antenna Coupler for .0005 or .00035 Condensers, \$3.00 each.

RF—17 "Neutrodyne" Coils in sets of 3 tapped for neutralizing. Built for .00035 Condensers, \$7.50 per set.

Equalizer \$0.50
 Extension Shaft25
 No. 85 Choke..... 2.00
 No. 250 Choke..... 2.25

"Hammarlund Jr." Midget



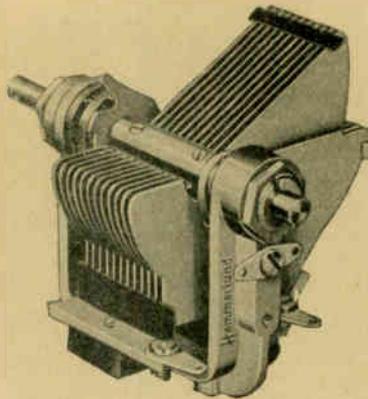
Soldered brass plate, cone bearings, clock spring pigtail, minimum dielectric. A high ratio shielded midget with all the distinctive earmarks of Hammarlund design and workmanship—plus single hole mounting. Many uses are shown in circulars packed with each condenser.

MC—5,	16 mmfd.....	\$1.80
" 9,	32 ".....	1.80
" 11,	50 ".....	1.80
" 15,	65 ".....	2.00

Including Bakelite Knob

For Better Radio Hammarlund PRECISION PRODUCTS

The New Midline Condensers



The new Hammarlund "Midline" Condenser was produced not merely to have a new model, but rather because past experience has demonstrated the short-comings of all previous types.

The old "Straight-Line-Capacity" Condenser crowded the low-wave stations. The newer "Straight-Line-Frequency" type crowded the upper band. The "Straight-Line-Wave Length" type was merely a compromise. But the Hammarlund "Midline" Condenser does not crowd either the upper or lower bands and retains normal separation in the middle of the scale.

All of the established Hammarlund features are included: soldered, non-corrosive brass plates with tie-bars; rib-reinforced aluminum alloy frame; minimum dielectric; one-hole mounting with anchoring screw; bronze clockspring pigtail; friction band brake that places no strain on bearings.

ML-23—	.0005 mfd.	\$5.00
ML-17—	.00035 mfd.	4.75
ML-13—	.000275 mfd.	4.65
ML-11—	.00025 mfd.	4.50
ML- 5—	.0001 mfd.	4.25

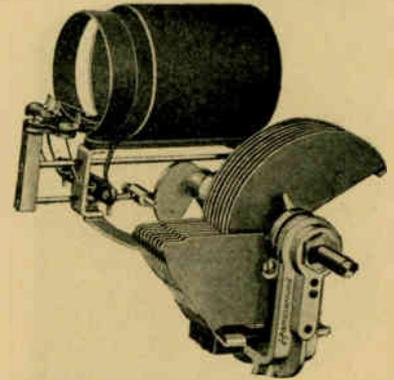
Hammarlund Improved S. L. F. Condensers

Many radio fans will continue to prefer the "Straight-Frequency-Line" Condenser, so popular the past season. Hammarlund, therefore, will continue to manufacture this model, but much improved.

It embodies all of the advanced mechanical features of the new "Midline" Condenser, described above, differing only in its tuning curve. Sizes and prices also are the same.

SFL—23	.0005 mfd	\$5.00
" 17	.00037 mfd	\$4.75
" 13	.0003 mfd	\$4.65
" 11	.00025 mfd.	\$4.50
" 5	.0001 mfd	\$4.25

"Auto-Couple" T.R.F. Assembly



Here is the tuning unit the radio world has been waiting for—a harmonious assembly of coil, condenser and shield providing automatic, graduated coupling of the primary coil throughout the range of condenser settings.

It is strong, accurately made and highly efficient. It insures scientifically correct primary coupling and maximum energy transfer for each wave-length received, resulting in additional sensitivity, greater selectivity and control of inter-stage coupling and unwanted oscillations on the lower wavelengths.

Hammarlund "Midline" or "S-F-L" .00035 Condensereach \$4.75

"Auto-Couple" Coil, including mounting bracket and cam, (Code HQ).....each 3.50

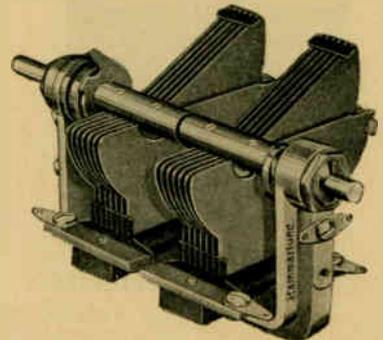
(Set of three "Auto-Couple" Coils, (Code HQ-3) \$10.00

Complete Aluminum Shield (6" x 7" x 6" high), Code ASeach 2.00

Complete Assembly (Code ACU)\$10.25

Hammarlund Foundation Unit\$10.50

Hammarlund Multiple Condensers



Models "ML-D" and "SFL-D" are dual condensers. Like all Hammarlund products they are instruments of laboratory precision, embodying all the well known Hammarlund features of design and workmanship. Capacities are accurately matched. Standard equipment in the finest single control sets because of superior performance. Accurately matched Triple Condensers are also available in the above sizes. Price, \$10 to \$12.

Plates	Capacity	"ML-D" (Dual)	"SFL-D" (Dual)
11	.00025 mfd.	\$7.00	\$7.00
13	.000275 mfd.	\$7.50	\$7.50
17	.00035 mfd.	\$8.00	\$8.00
23	.0005 mfd.	\$8.50	\$8.50



Samson for Dependability!

Samson Radio products show the results of nearly half a century manufacturing experience. They are built to a Standard and not to a price.

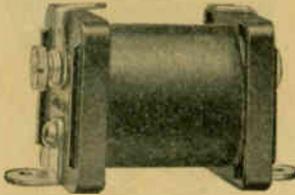
Samson Electric

Samson for Suitability!

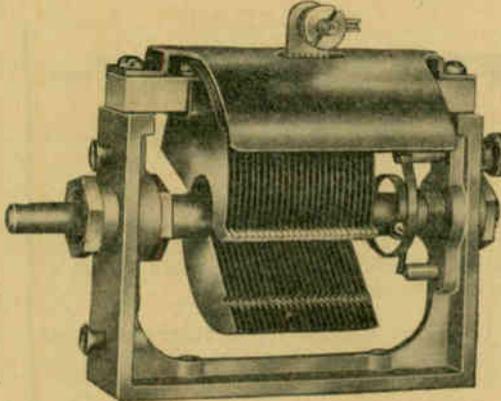
Samson Radio products, when used with other high grade standard parts, produce results that are unequalled for tone tivity.

SAMSON RADIO FREQUENCY CHOKE

**Smallest Made. Yet easily fit into Present Sets
Samson Uniform Frequency Condensers**



Samson Radio Frequency Choke Coils keep high radio frequency currents out of—or in—a particular portion of a circuit, preventing overloading of tubes with consequent distortion. They are also used where a high radio frequency impedance is desired. Their helical winding gives inimitable operation as a choke over an unusually wide band of frequencies. Write for Bulletin No. 27.
No. 85—R. F. Choke.....Price \$2.00
No. 125—R. F. Choke.....Price 2.25
No. 500 R. F. Choke.....Price 2.75



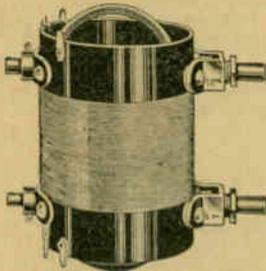
SAMSON AUDIO FREQUENCY CHOKE No. 3



The Samson Audio Frequency Choke No. 3 is designed to give wonderful tone quality by stopping howling, or "motor-boating," and suppressing distortion in audio amplifiers. Due to its exceedingly small self-capacitance, 5 micro-micro-farads—the result of a patented helical winding—it will also act as a choke to radio frequencies. One is inserted in each B-plus lead, and 4 micro-farad by-pass condensers are connected between set end of choke and negative B. These chokes are admirably suited to the construction of long-wave impedance coupled amplifiers, and as choke impedance grid leaks in radio frequency impedance amplifiers they prevent detector action in r.f. stages.

Price, No. 3, \$3.25
A Special Bulletin on this choke is available.

SAMSON DOUBLE ROTOR COUPLER



Samson Double Rotor Coupler is a highly efficient coupler or radio frequency transformer wound with double-silk covered wire on a bakelite tube. It gives a selectivity instantly adjustable from "razor edge" to broad. It can be used in many circuits. Two single-hole mountings.Price \$5.00

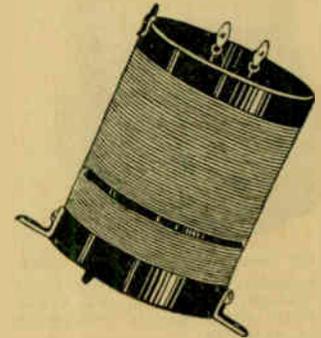
Mathematically proportioned plates assure uniform station spacing at both low and high ends of the scale as well as in the middle. Samson Uniform Frequency Condensers are built to a tolerance of 1/1000 inch.

These grounded rotor type instruments have losses lower than the average laboratory standards.

This condenser, due to its design, does not have the defects caused by either solid metal or dielectric end plates. Samson Uniform Frequency Condensers have a one-hole mounting. They can be mounted vertically or horizontally, and are guaranteed accurate within plus or minus 1% of their rated capacitances.

	Price
Capacity—.0005 Mfd. (500 mmf).....	\$5.50
Capacity—.00035 Mfd. (350 mmf).....	5.25
Capacity—.00025 Mfd. (250 mmf).....	5.00
Capacity—.000175 Mfd. (125 mmf).....	5.00
Capacity—.0000875 Mfd. (75 mmf).....	5.00

SAMSON FIXED COUPLER



Samson Fixed Coupler a well-engineered radio frequency transformer or antenna coupler of double-silk covered wire wound on a bakelite tube and designed to cover the wave band of 175 to 550 meters when tuned by a variable condenser of 500 mmf. maximum capacitance. Price, \$2.00

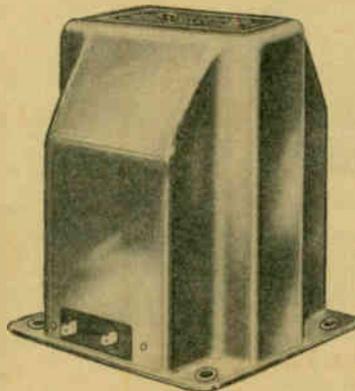
SAMSON NEUTRALIZING CONDENSER



Samson Neutralizing Condenser is variable by fine gradations and stays permanently where adjusted. Minimum capacity, .00002 mfd. Maximum capacity, .00015 mfd.

Price, \$2.00

Samson Transformers and Impedances all have same case as illustrated above.



Samson Symphonic

climax of several years development, gives perfect reproduction of broadcast tones over greater range than average loud speakers can cover or is now broadcast.

Price, \$9.00

The New Samson HWA-3 Transformer 2:1, 3:1, 6:1, Standard equipment with leading set manufacturers and home constructors. Built for service as well as quality of reproduction.Price, \$5.00

Samson Dual Impedance (Donle Design) is complete—no condensers or leaks required—being connected like a transformer. It gives excellent tone quality and grid leaks are not necessary. It keeps on giving this tone quality because hermetically sealed against moisture. Price, \$5.00

Samson Audio Plate Impedance a high inductance choke for use with standard or high "mu" tubes.Price, \$4.50

Samson Audio Grid Impedance forms ideal power amplification combination with plate impedance.Price, \$4.50

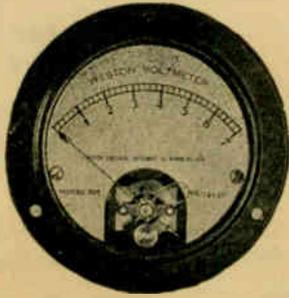
SAMSON OUTPUT IMPEDANCE, TYPE O—\$5.00

AUDIO AMPLIFICATION (A Book)

"Audio Amplification" is the title of a book which contains forty pages of information on all types of audio amplification such as resistance, impedance, and transformer coupled amplifiers. A great deal of the material contained has never before been published. It represents many years' work in the laboratory. A well-worth-while book for anybody interested in quality reproduction.Price \$0.25

New! Samson Parts

	Price
Band Filter	\$12.00
30 Heney Choke.....	5.00
Jack Block	1.00
Double Rotor Coil Form (Bare).....	2.00
Single Rotor Coil Form (Bare).....	1.50
Coil Form (Bare).....	.75
Single Rotor Coupler (New Type).....	3.25
Antenna Coil (New Type).....	1.85
Split Stator Coupler (New Type).....	3.50
Double Rotor Coupler (New Type).....	5.00
Fixed Coupler (New Type).....	2.00
Push Pull Output Impedance, Type Z... ..	5.00
Double Wound Coupler.....	2.50



**DIRECT CURRENT VOLTMETERS
WESTON MODEL 301**

(Flange diameter, metal case 3 3/4"; bakelite case, 3 3/8")

Their size and accuracy, for the job of measuring filament and plate voltages, put them ahead of all others in the small instrument class.

Price List of Model 301 Voltmeter

Range	Price	Range	Price
7 Volt	\$8.00	100 Volt	\$11.00
8 Volt	8.00	150 Volt	\$11.00
10 Volt	8.00	500 Volt*	17.75
15 Volt	8.00	1000 Volt*	24.75
50 Volt	8.00	1500 Volt*	30.75
		2000 Volt*	36.75

Low range voltmeters can be supplied with bakelite cases at 75c extra.

* Has bakelite case and external resistor.

**WESTON RADIO TABLE
VOLTMETER**



(Size—3 3/4" long, 3 3/8" wide, 1 3/4" high)

An indispensable Radio Table Voltmeter for measuring filament, plate and grid voltages, checking battery conditions and locating broken or loose connections.

Because of its relatively high resistance, 62 ohms per volt, it causes very little drain on the batteries.

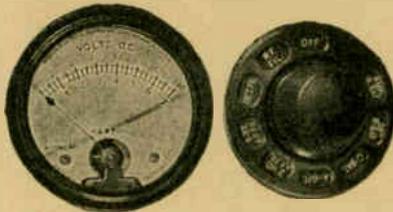
Each Model 489 is provided with a pair of flexible cables and pin jacks for permanently connecting the filament circuits to the panel.

This Voltmeter is made in double range, 150 and 7.5 volts. It has a silver etched scale and is enclosed in a handsome bakelite case.

Price \$13.50

Model 489 for "B" Eliminator.....\$28.00

**VOLTMETER AND
UNIVERSAL RADIO SWITCH**



This combination consists of a Weston 2" high resistance panel type Voltmeter and a Weston nine-point Bi-polar Switch. May be installed on any type of radio receiving set and so arranged to measure voltage at any point within the set or any of the batteries.

The price of the Weston bi-polar switch in combination with a single range Weston Model 506 Voltmeter with a scale figured 140/7 volts and 200/8.

\$13.00 List

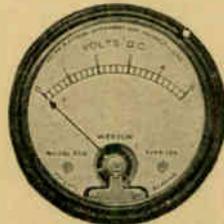
Weston

FOR ECONOMY— RESULTS

WESTON, a name famous in every electrical field, stands for unusual achievement in radio. The models here shown combine unusual precision, ruggedness and beauty at reasonable cost.

There are Weston Radio Instruments for Receiving and Sending Sets, for both the Expert and the Amateur.

Two Inch Radio Panel Meters Weston Model



(Case Diameter 2")

Weston Standard quality and workmanship throughout put these little meters in great demand for Radio Panel use. Every part has been designed and constructed in such manner that the completed instruments are, in fact high grade, dependable products notwithstanding that the dimension of the containing case has been reduced to a two-inch diameter.

VOLTMETERS

SINGLE RANGE (2 binding posts),
3-5-7-8-10-15-50 or 150 volts
Price \$7.00

DOUBLE RANGE (3 binding posts with push button)
125/5-140/7 or 150/7.5 volts.

For use only when—"A" battery is connected to—"B" battery.

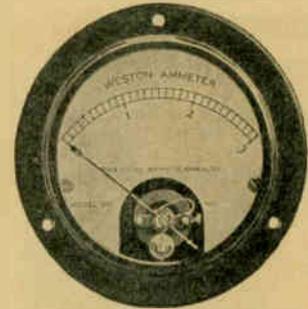
Price \$9.00

DOUBLE RANGE (4 binding posts without push button)

125/5-140/7 or 150/7.5 volts.

Price \$8.25

Milliameters		Ammeters	
Range	Price	Range	Price
1.5	\$9.00	1	\$7.00
5	8.00	1.5	7.00
10	7.00	3	7.00
15	7.00	5	7.00
25	7.00	10	7.00
50	7.00	15	7.00
100	7.00		
300	7.00		
500	7.00		



WESTON MODEL 301

Range	Price	Range	Price
1.5 AM	\$8.00	10 AM	8.00
3 AM	8.00	15 AM	8.00
5 AM	8.00		

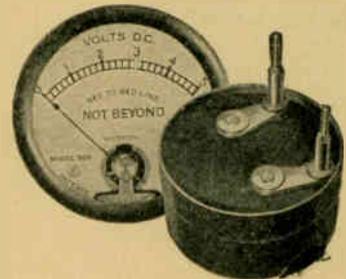
Ammeters and low range voltmeters can be supplied with bakelite cases at 75c. extra.

Ammeters and low range voltmeters can be supplied with bakelite cases at 75c extra.

MODEL 301 MILLIAMMETER

Range	Price
1 MA	12.00
5 MA	10.00
25 MA	8.00
50 MA	8.00
75 MA	8.00
100 MA	8.00
200 MA	8.00

**WESTON MODEL 506
PIN JACK
VOLTMETER**



A high resistance voltmeter (125 ohms per volt) is specified because one not of high resistance consumes enough current for operation to cause a serious drain on the batteries and rob the tubes of current required for their proper performance.

Model 506 Pin Jack Voltmeter has a handsome black lacquer finish. Its scale is calibrated from 0 to 5 volts and it will be observed that the scale division figured 3 is red and that the scale bears a legend instructing the user to set to the red mark which, as previously explained, is the control voltage for proper tube operation.

List Price \$7.50

With High Range Stand.....\$10.00

**WESTON RADIO PLUG
THE PIONEER INSTANT CHANGE
RADIO PLUG**



Frequently imitated but never equalled.

Two seconds from headphones to loud speaker.

Beautifully made with genuine bakelite case—

TO SEE IT IS TO WANT ONE.

To connect—just push the terminals in.

To disconnect—press the terminals and pull the cables out.

Price 60c



National Radio Products

NATIONAL TUNING UNIT—TYPE "B"

B D-1B with "B" Dial

National Tuning Unit B D-1B consists of a Browning-Drake space-wound inductance coil, mounted on a .0005 National "Equicycle" (SLF) condenser and covering the broadcast range. The inductance has the lowest R. F. resistance recorded for a coil of this type. The condenser uses three-quarters instead of one-half turn, thus still further spacing out the stations. A National Velvet-Vernier 4-inch dial is included.

Price.....\$10.25

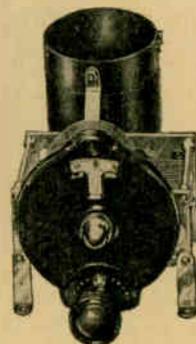
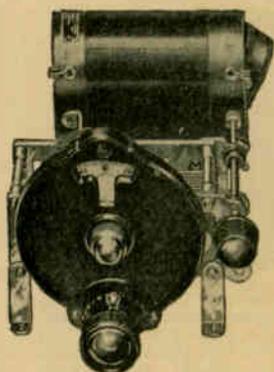
With illuminated Type C Dial.....\$10.75

B D-2B with "B" Dial

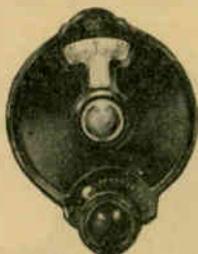
The B D-2B National Tuning Unit combines a Browning-Drake Spacewound Transformer with a .00025 National "Equicycle" Condenser. This condenser gives clean-cut separation of stations on all wavelengths. The National Velvet-Vernier, Type B Dial included with the unit is known to every radio enthusiast from coast to coast for its perfection and constancy of action. It is now made as Type C, with an illuminated dial.

Price—B D-2B, with Type B Dial.....\$13.75

With Type C Dial.....\$14.25



VELVET VERNIER DIAL Type B

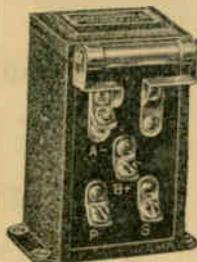


This dial embodies a modified application of our "Velvet Vernier" mechanism designed to facilitate mounting on the 1/4" shaft of any standard type of variable condenser, without the use of tools other than a screwdriver. It will replace plain dials on any receiver where sharper tuning is desired.

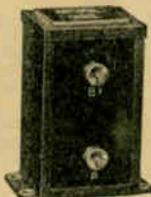
Of special importance is a new and novel device which enables the user to adjust at will the reduction to any ratio from 6-1 to 20-1. This feature aids greatly in the separation of stations operating on the lower wave lengths. This new dial is moulded from black bakelite in a highly ornamental design. Nickel finish.

C. W. 200-0..... 2.50
C. C. W. 0-200..... 2.50
Dual Range 0-100-0..... 2.50

IMPEDAFORMER Type "B"



IMPEDAFORMER Type "A"—100 Henrys



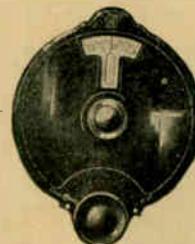
For Impedance Coupled Audio Frequency Amplification practically perfect reproduction of tones as low as 25 cycles per second. In each set of three Impedaformers one is marked 1st stage. This contains a radio frequency choke coil and is used in the first or input stage of amplifier.

List Price \$4.00

The National Impedaformers have been designed for quality audio amplification. Each of the three units contains a .1 mfd. Tube Condenser and a Lynch Resistor. The first unit has also an R. F. Choke, which is a real necessity for perfection of reproduction. Three Impedaformers, three tube sockets and a rheostat are all that is necessary for an audio amplifier which is the last word in power and faithfulness of reproduction.

Type B, each.....\$5.50

NATIONAL ILLUMINATED DIAL Type "C"



The National Velvet-Vernier Dial, Type C, is essentially the same as Type B Dial as far as perfection of construction and operation, beauty of appearance and ease of attachment are concerned. It has the same variable ratio of from 6-1 to 20-1.

But it is designed with a tiny invisible 6-volt lamp which illuminates the dial directly. This lamp can either be separately switched or placed in the filament circuit to act as a tell-tale for the tubes. Extra 6-volt lamps, \$0.20. 4 1/2-volt lamps, \$0.35 each.

Made in either clockwise or counter-clockwise and with 360° divisions (0-200) or in Dual Range —180° (0-100-0).

Price—In nickel finish.....\$3.00

NATIONAL POWER AMPLIFIER KIT (Type L-3)

The National power amplifier is put up in complete kit form by the National Company, except audio tubes. Including the wire and full instructions. The unit may be easily assembled in one evening.

National Power Amplifier Kit L3, complete with Raytheon BH Tube.....\$84.00
Price of Kit as above, but completely assembled, ready to run.....\$95.00

NATIONAL ONE-STAGE AMPLIFIER KIT (Type E-1)

In many cases the Radio owner desires a combined B Eliminator and one stage power amplifier which can be plugged directly into the output of this present set. The National one-stage Power Amplifier meets this need. It contains the same "B" Power Units as the National "B" Power Supply and in addition one stage of National Impedaformer Power Amplification for use with Type 171 Semi Power Tube—an adjustable "C" Bias is also included and a National Tone Filter.

National One-Stage Power Amplifier Kit E-1, complete with Raytheon BH Tube.....\$74.00

NATIONAL TONE FILTER

The plate voltage now required with either UX 171, UX 112 or UX 210 Power Tubes, for fine quality reproduction, range from 180 volts upward. The makers of the tubes recommend passing the output to the loud speaker through a tone filter. The National Tone Filter is designed for this purpose.

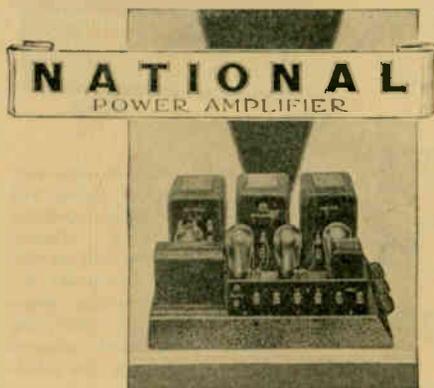
National Tone Filter \$8.00

THE NATIONAL B POWER-UNIT (Type M)

To meet the large demand for a reliable and rugged B Power Supply unit, free from difficulties associated in so many minds with such devices, National Company also offers a complete kit with Raytheon BH Tube. This is also provided with a cored and drilled metal base, all necessary wire, and can be assembled in a few hours. It employs the same fine units as the NATIONAL Power Amplifier,—Power Transformer, NATIONAL Special TOBE B BLOCK and Filter Chokes.

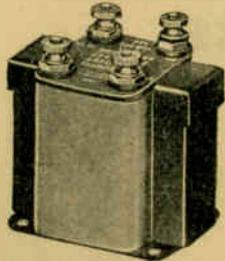
Price—NATIONAL B Supply Unit Kit, Type M.....\$60.00

New National Power Amplifier Kits





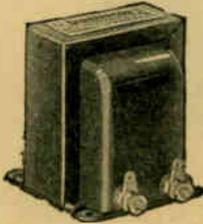
AUDIO TRANSFORMER



Over thirty of the leading receiving set manufacturers use Thordarson transformers as standard equipment in their product. They realize that the amplifying transformer question is of utmost importance, and have spared no effort in conducting thorough and exhausting tests for the very best musically, electrically and mechanically—and they have all chosen Thordarson.

The following paragraphs contain helpful information relative to the selection, installation, care, and methods of testing amplifying transformers.

- Ratio—6 to 1.....List \$4.50
- Ratio—3½ to 1.....List 4.00
- Ratio—2 to 1.....List 5.00



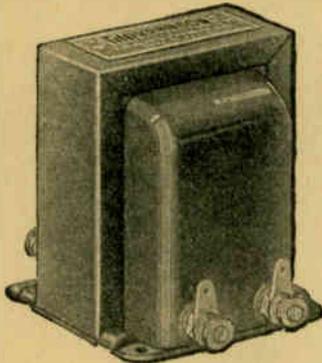
R-196 30 HENRY CHOKE COIL

This Thordarson choke is designed for use in filter circuits in converting A.C. into smooth D.C. for radio use. Especially adaptable for use with B-eliminators and power amplifiers. Mounted in attractive steel case. Terminals at base. Dimensions 2½" x 2½" x 3" high.

List Price \$5.00

THORDARSON

TYPE R-200 POWER TRANSFORMER



A quality transformer with unusually faithful reproductive powers and a very wide amplification range. The super-sized core combined with the high inductance primary result in the evenness so characteristic of this transformer.

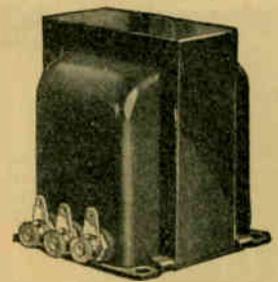
Designed for 2 stage amplification.

Ideally adapted for use with cone type speakers.

Used in quality receiving sets costing as high as \$2,000.

List Price \$8.00

AUTOFORMER

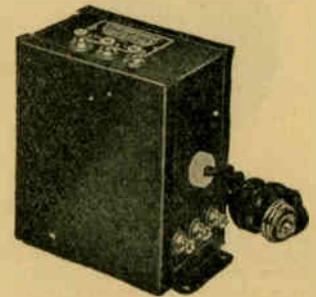


The Autoformer is a step-up impedance coupled amplifier which embodies all the good qualities of bass note amplifiers with the additional advantage of greater amplification. Three-stage Autoformer amplifications are superior in amplifications to four stages resistance coupled or four stages straight impedance coupled amplification. Flat amplification curve over entire range of audibility.

Thordarson R-171 & R-210 Power Compact

Thordarson R-171 Power Compact contains a power supply Transformer for full capacity operation of Raytheon BH Tube, 2 Filter Chokes of 80 milliamperes capacity, a 5 Volt Filament Tap, and two buffer condensers. All in one case. List Price, \$15.00

Thordarson R-210, a power supply Transformer for UX 216 B Tube, furnishing 400 volts for UX 210 Tube, two filter chokes, a 7½ Volt Center Tap. All in one case. List Price, \$20.00



Thordarson R-76 Speaker Coupling Unit—\$6.00

SANGAMO

Mica Condensers in intermediate sizes



IMPROVE TONE RANGE AND VOLUME

MICA and By-Pass Condensers

Sangamo Mica Condensers meet the most stringent requirements for all circuits.

The rounded edges prevent chipping and the high ribs of these condensers give them great mechanical strength. They are as finely made and handsomely finished as the most costly radio parts, and harmonize perfectly with beautiful workmanship.

The smooth mahogany-brown bakelite in which Sangamo Mica Condensers are molded protects the delicate parts. Every edge is sealed. This excludes moisture—the greatest enemy of condenser accuracy. Moisture creates resistance and changes condenser capacity.



Meets the need for a durable condenser that is mechanically strong and capable of standing heavy electrical surges without breakdown. Tightly wound with high-grade aluminum foil and special insulation on patent-protected machines. This process eliminates varying tension with consequent air and ozone bubbles, which cause a variation in surface contact and therefore a fluctuating capacity.

Series B will stand continuous duty at 1,000 volts D. C.

Capacity in mfd. and Prices

0.00004	40	mmf.	.....	\$0.40	0.0008	800	mmf.	.....	.40
0.00005	50	mmf.	.....	.40	0.001			.....	.50
0.00006	60	mmf.	.....	.40	0.0012			.....	.50
0.00007	70	mmf.	.....	.40	0.0015			.....	.50
0.00008	80	mmf.	.....	.40	0.00175			.....	.50
0.0001	100	mmf.	.....	.40	0.002			.....	.50
0.00012	120	mmf.	.....	.40	0.0025			.....	.50
0.00015	150	mmf.	.....	.40	0.003			.....	.60
0.000175	175	mmf.	.....	.40	0.0035			.....	.60
0.0002	200	mmf.	.....	.40	0.004			.....	.60
0.00025	250	mmf.	.....	.40	0.005			.....	.70
0.0003	300	mmf.	.....	.40	0.006			.....	.85
0.00035	350	mmf.	.....	.40	0.007			.....	.90
0.0004	400	mmf.	.....	.40	0.0075			.....	.95
0.0005	500	mmf.	.....	.40	0.008			.....	1.00
0.0006	600	mmf.	.....	.40	0.01			.....	1.15
0.0007	600	mmf.	.....	.40	0.012			.....	1.20

SERIES B

Guaranteed for continuous operation at 500 volts A. C., 1,000 volts D. C. Tested at 800 volts A. C., 1,500 volts D. C.

Capacities in mfd. and Prices

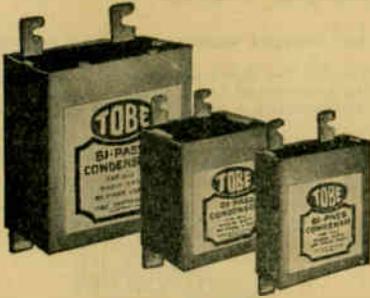
1-10	mfd....	\$1.25	1	mfd.....	\$1.95
¼	mfd.....	1.40	2	mfd.....	2.50
½	mfd.....	1.60	4	mfd.....	4.00

SERIES A

Guaranteed for continuous operation at 250 volts A. C., 400 volts D. C. Tested at 400 volts A. C., 750 volts D. C.

Capacities in mfd. and Prices.

1-10	mfd....	\$0.80	1	mfd.....	\$1.25
¼	mfd.....	.80	2	mfd.....	2.00
½	mfd....	.90	4	mfd.....	3.00



Precision Fixed Condensers By-Pass Condensers

In their beautifully finished, silvered metal cases, with the new ground-lugs, the TOBE Bi-Pass Condensers are standard for all by-pass use in Radio sets. For this kind of work, noiselessness is a requisite. The TOBE Bi-Pass Condensers are noiseless and unchangeable. They stand extremes of heat and cold without alteration. Insulation is of the order of 150 megohms.

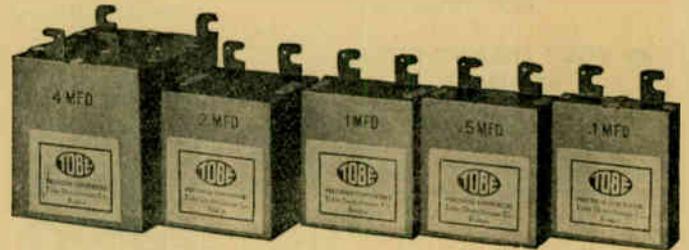
Types	Sizes	Dealers' Packages	List Price	Types	Sizes	Dealers' Packages	List Price
210	0.1 Mfd.	10 Condensers	\$.60	201	1.0 "	10 "	.90
225	0.25 "	10 "	.70	202	2.0 "	10 "	1.75
250	0.5 "	10 "	.75	204	4.0 "	6 "	3.50

Tobe Precision Filter Condensers

TOBE Filter Condensers are made for use in filter circuits on plate-supply units and in B-Eliminators and in power amplifiers where the D.C. working voltages run up to 300 volts.

They are especially suitable for use with Raytheon Types B and BH tubes and are recommended by the Raytheon Manufacturing Company as unsurpassed for use in Raytheon circuits.

The 4.0 Mfd. is especially suitable for use in output devices required with the UX-171, and similar power-tubes.



Cased in silvered, metal cases, with tinned ground-lugs for grounding, and separately boxed in attractive blue, red and black boxes.

Three-minute test 700 volts D.C.;—D.C. working voltage 300 volts;—A.C. working voltage, 250 volts.

Type	Sizes	Dealers' Package	List Price	Type	Sizes	Dealers' Package	List Price
310	0.1 Mfd.	10 Condensers	\$0.70	301	1.0 Mfd.	10 Condensers	1.25
325	0.25 Mfd.	10 Condensers	.75	302	2.0 Mfd.	10 Condensers	1.75
350	0.5 Mfd.	10 Condensers	.90	304	4.0 Mfd.	6 Condensers	3.50



Hi-Voltage Power Pack Type Condensers

This is a new TOBE Condenser, especially designed for use in plate-supply units of the AmerTran Power-pack type and power amplifiers employing working D. C. voltages from 600 volts upward.

They are of a new shape.

They are provided with a new type of terminal placed at the bottom of the condenser case. This brings the connections down where they should be for high-voltage condensers, simplifying the wiring and greatly increasing the safety of operation, as the terminals and wiring are removed from chance contacts. The terminals being on the side of the case permit a number of condensers to be arranged in a bank and wired together with a minimum of wiring and difficulty. Cases have ground-lugs for grounding them.

D. C. working voltage, 1,000 volts.

Type	Sizes	Dealers' Package	List Price	Type	Sizes	Dealers' Package	List Price
650	0.5 Mfd.	10 Condensers	\$2.00	602	2 Mfd.	10 Condensers	\$3.50
601	1.0 Mfd.	10 Condensers	2.50	604	4 Mfd.	6 Condensers	6.00



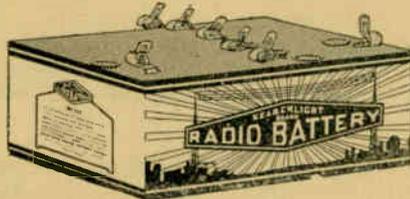
Searchlight Radio Batteries

They are the outcome of 15 years of scientific research work in the battery and carbon fields and are designed especially for use with the present types of Radio receiving and sending sets.

Painstaking selection of the elements used, careful tests at every stage of the manufacturing process, all under the direct supervision of an experienced organization unites in SEARCHLIGHT "B" Batteries, long "High Voltage" life, wonderful recuperative powers and unusual shelf life.

In addition SEARCHLIGHT "B" batteries provide a special and patented type of construction, the characteristics of which make for extreme safety, greater dependability and compactness.

45 VOLT (LARGE) FLAT

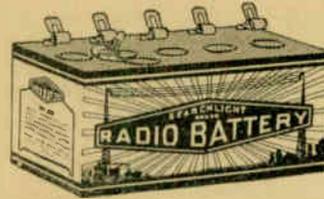


No. 550—Combines in one unit all features and characteristics of two No. 300 batteries. Seven spring clip terminals, providing connections at 16½, 18, 19½, 21, 22½ and 45 volts, make this battery particularly suitable for soft and critical detector tubes as well as for amplifying purposes.

Composed of 30 large and powerful cells, it provides most economical service with all sets drawing less than 15 milliamperes.

LIST PRICE, \$3.75

22½ VOLT (LARGE) FLAT



No. 300—"Standard" of the 22½ volt batteries, sometimes called "Navy type." Particularly suitable for the critical detector circuits. Six spring clip terminals permit connections at 16½, 18, 19½, 21 and 22½ volts. Two or more easily connected in series for amplifier circuits. Composed of 15 large and powerful cells it provides most economical service with sets drawing less than 15 milliamperes.

LIST PRICE, \$2.00

No. 250—22½ volt vertical—List Price, \$2.00

TRIPLE SERVICE BATTERY



No. 3-C—The purpose and uses of this battery are three-fold. It may be used as an "A" (Filament) battery or serve as a "B" (plate) battery. It is, however, primarily designed to act as a "C" (grid biasing battery).

The use of a "C" battery effects a remarkable saving in "B" battery current consumption. Equipped with three spring clip terminals, permitting voltage range of 3 to 4½ volts.

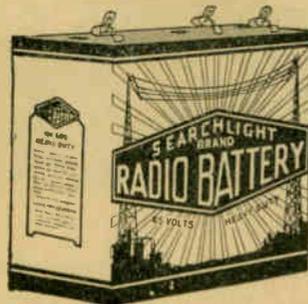
LIST PRICE, 60c

45 VOLT (HEAVY DUTY) VERTICAL

No. 600—Especially designed for heavy current drains. The use of this battery with sets drawing 15 milliamperes or more effects a remarkable saving in "B" current cost.

It is equipped with three spring clip terminals, permitting connection at 22½ and 45 volts.

LIST PRICE, \$4.75



45 VOLT (LARGE) VERTICAL

No. 500—Composed of 30 large and powerful cells, it provides most economical service with all sets drawing less than 15 milliamperes.

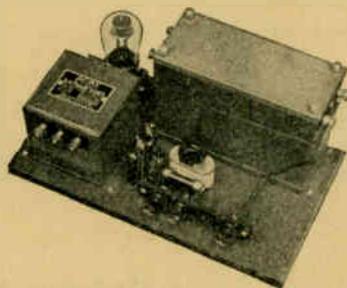
It is especially constructed, however, to provide the "space saving" feature of smaller batteries and to fit certain types of self-contained cabinet sets.

It is equipped with three spring clip terminals, permitting connections at 22½ and 45 volts.

LIST PRICE, \$3.75



Acme "B" Eliminator Kits

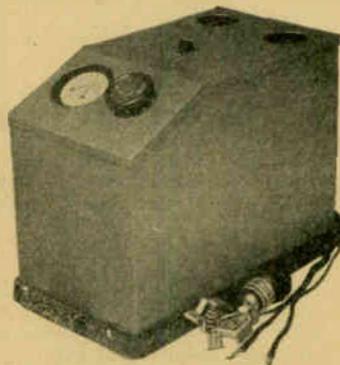


The Acme B-Eliminator Kits contain all the parts and instructions for making Acme B-Eliminators which operate as good as the factory-made product. Two types EK-1 for radio sets having up to 12 tubes and EK-3 for radio sets having up to 6 tubes. Both kits are complete with Raytheon tube and give voltages up to 180 volts for use with power tubes.

EK-1 for 12 tube sets including Raytheon Tube\$39.50

EK-3 for 6 tube sets including Raytheon Tube\$32.50

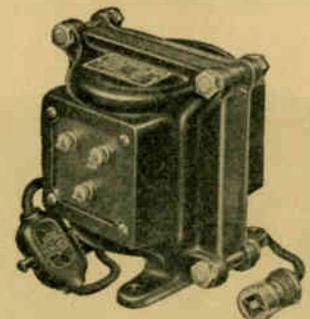
Acme "A" Supply Unit



No Charging; No Hum; No Nuisance. The Acme A-1 A power supply unit eliminates the nuisance of a storage battery. This unit operates the filaments of the radio tubes from the lamp socket and the storage battery becomes simply a condenser. No charging or discharging of the battery, no battery trouble. This is not a trickle charger or battery charger and is used only while the radio set is operated. No changes in wiring of the radio set or accessories need be made to install this instrument.

Type A-1, A power supply 1-8 tube sets 110 volts 60 cycle without tubes..\$42.00

Acme "BH-1" High Voltage Eliminator Transformer



The BH-1 Transformer is especially designed to supply filament and plate voltage for the UX 171 or UX 210 type tubes. This transformer has two secondary plate voltages, high enough to give a D.C. output of 180 volts for the UX 171 tube and 400 volts for UX 210 tubes. This transformer has a separate filament winding for the rectifying tube and another for the amplifying tube.

Type BH-1 Transformer, 110 volt, 60 cycleList \$16.00



FRITTS Super-Quality Cabinets

Permanency Built Clear Thru

The first thought in the development of Fritts Radio Cabinets and Consoles was permanency in material, workmanship and design. The furniture made by D. H. Fritts & Co. has enjoyed for many years that reputation of excellent quality and it is their firm purpose to maintain that slogan in Radio.

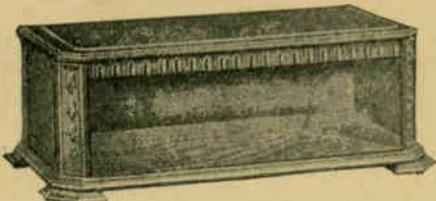
Quality Built Clean Thru—

Solid Walnut—combined with beauty in design and fine finish has placed the Fritts Super Radio Furniture a leader in the field from the very beginning. Its originality of design and superior craftsmanship warrant the attention of those who understand the best.

Finish—is the finest known to those in the quality field, viz:—varnished, water and oil rubbed. Carvings are all slightly polychromed thus adding that touch of the master European furniture designer on his originals made to special request.

Fritts—Cabinets and Consoles are all made with the one thought of adding dignity to any setting and are worthy of housing the finest radio receiver made.

Standard Super Cabinet



This Cabinet is also solid Walnut and is of the same high quality which distinguishes the entire Fritts line.

The decorations are polychromed. Top and sides slightly raised with panel effect.

Nickled piano hinge and lid stay. Made to take standard 7 in. panel. If an 8 in. panel is used, it is only necessary to remove the top panel decorative strip.

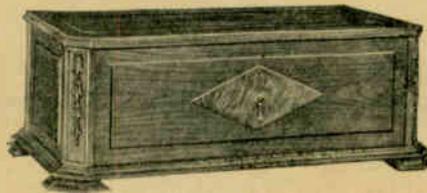
All cabinets 8 ins. high inside, by 12 ins. deep from panel to back.

No.	Panel Size	Shipping Weight	List Price
SS 18	7"x18"	45 Lbs.	\$21.00
SS 21	7"x21"	45 Lbs.	22.00
SS 24	7"x24"	50 Lbs.	22.50
SS 26	7"x26"	55 Lbs.	23.50
SS 28	7"x28"	60 Lbs.	24.50
SS 30	7"x30"	65 Lbs.	26.50

Super-Vesta

Italian Chest Type in Motif

Like the Super Console, this cabinet is equipped with our exclusive feature, "inverted panel lighting." The lamp sockets are fitted in the decorative strip over the panel. The spread of light is uniform.



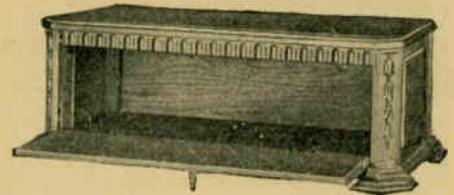
SOLID WALNUT

Super Vesta with front door closed

Diamond insert on panel door, genuine Burled Walnut, op. sides and front have raised panel effect. Four post construction. Hardware, antique brass. Lid equipped with nickled piano hinge and lid stay

SUPER VESTA with front door opened

(Note carved decorative top panel strip)



Like the Super Console, this cabinet is equipped with our exclusive feature, "inverted panel lighting." The lamp sockets are fitted in the decorative strip over the panel. The spread of light is uniform.

Diamond insert on panel door, genuine Burled Walnut. Top, side and front have raised panel effect. Four post construction. Hardware, antique brass. Lid equipped with nickled piano hinge and lid stay.

No.	Panel Size	Inside Depth	Shipping Weight	List Price
SV 18	7"x18"	11"	45 Lbs.	\$30.00
SV 21	7"x21"	11"	50 Lbs.	32.00
SV 24	7"x24"	11"	55 Lbs.	35.00
SV 26	7"x26"	11"	60 Lbs.	36.50
SV 28	7"x28"	11"	65 Lbs.	38.00
SV 30	7"x30"	11"	70 Lbs.	42.00



The Super Console

(With Inverted Panel Lighting)

Solid Walnut—embodies our very latest feature, "inverted panel lighting." The spread of light is uniform over the entire panel.

A Masterpiece in Design.

All decorations are slightly polychromed and the diamond inserts on the front doors are genuine Burled Walnut.

Top, sides, and doors have a raised panel effect. Hardware, antique brass.

Lid is equipped with nickled piano hinge and lid stay.

Finish—Natural Walnut, varnished—hand rubbed.

Speaker is not included.

Overall dimensions—Height 39"—Width 15"—Length 35".

Inside dimensions of lower compartment. Length 30"—Width 13½"—Height 10½"

Panel sizes adjustable, 18" to 30".

Inside depths from panel to back—12 inches.

Shipping weight crated—140 lbs.

Style No. S. C. 100.....List Price \$89.50



Blandin

TRIPLE
A Radio Cabinets



Showing Two Heavy Duty Batteries Back of Set

Top cross rail is removable. Panel slides into grooves. The set is mounted in the new Blandin drawer-tray slide. Cut shows 90 volts Jumbo "B" batteries back of set. Panel frame is adjustable from vertical to any angle up to 25 degrees.

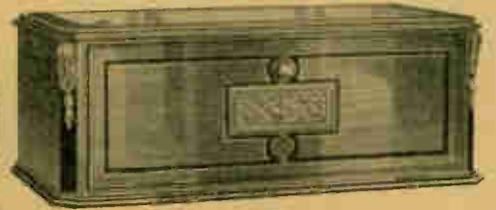
(Patents Pending)



Model R-20 Closed

\$19.50

A striking design, beautifully finished in hand rubbed lacquer, highly polished. Drop door conceals the set panel. Top of cabinet is solid.



Model R-20 Open

Panel size 6", 7", or 8" high, any length, 18", 20", 21", 24", or 26". Depth 11 inches. Clearance between door and panel, 2 1/8 inches.

Blandin Radio Cabinets



Model R-100
Console
List \$54.00

Overall dimensions of either Console, 41 1/2" high, 32 1/2" wide and 16 1/2" deep (front to back).

Inside dimensions of upper cabinet, compartment 8 3/4" high, 28" wide and 13 1/2" deep. Back has three cut-outs for wires.

Upper cabinet will house any radio set with panel height of 6", 7", 8" and a panel length of 18", 20", 21", 24", or 26". Depth back of panel, 11 inches.

Set panel is inserted into grooves. No screws are necessary. Installation is quick and simple.

Set panel may be mounted either verticle or sloping or any angle up to 25 degrees.

Inside dimensions of the R-101 lower speaker compartment, 30" wide, 14 1/2" deep and high enough for speakers not over 17 1/2".

Inside dimensions of the R-100, lower battery compartment, 30" wide, 16" high and 14 1/2" deep. Ample for batteries, charger or eliminators.



Model R-101
Console
List \$54.00

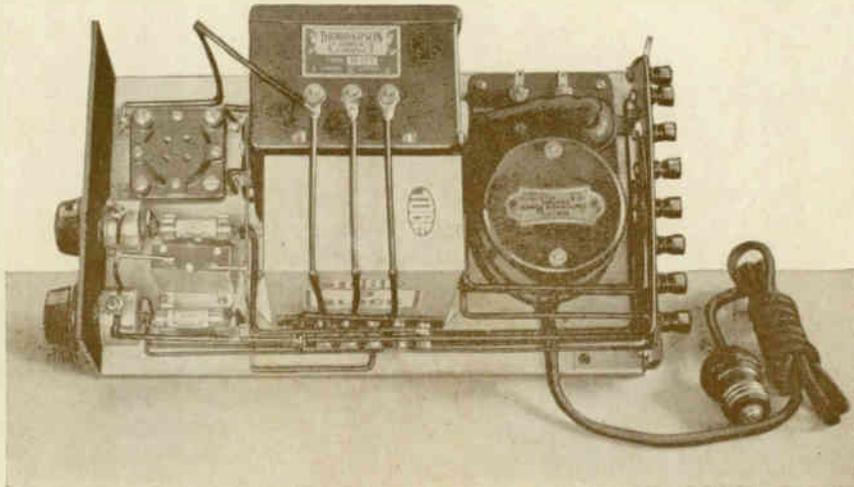
Blandin R-40 Battery Table is 32 1/2" long, 16 1/2" wide and 30 1/2" high Price, \$34.50

Blandin R-41 Speaker Table is the same size as R-40 Battery Table. It will accommodate battery equipment in addition of any speaker not over 17 1/2" high Price, \$34.50



Thordarson R-171 Power Compact

Complete "B" and "C" Supply for Power Amplification



Designed for use with No. 171 Power Tube for any Receiver and Officially Specified for Hammarlund Roberts Hi-Q Receiver

To secure the full advantage of the 171 type power tube, it is essential that the recommended plate voltage and high negative grid bias be used.

These higher voltages make the use of "B" batteries uneconomical and a lamp socket "B" eliminator is therefore recommended.

This power outfit supplies both "B" voltage for the entire receiver, also filament current for the power tube, and high negative grid bias. This eliminator offers advantages not to be had with batteries, in that it is possible to get accurate and infinite adjustment of the voltage to be applied to the radio frequency and detector tubes. This is an important consideration with sensitive receivers.

The eliminator will deliver a steady, uniform flow of current for all tubes, without the trace of a hum.

Complete Specified Parts

	List		List
1 Thordarson Power Compact, Type R-171.....	\$15.00	2 Lynch Single Resistor Mount.....	.70
1 Tobe No. 171 Filter Condenser B. Block.....	12.00	1 Benjamin Socket No. 9040 .....	.75
1 Yaxley No. 444 Automatic Power Control Relay.....	5.00	2 Clar-O-stat Variable High Resistances.....	4.50
1 Q. R. S., 85 M. A. "Redtop" Rectifier Tube or Ray- theon type B. H.....	6.00	8 Eby Binding Posts	15c each 1.20
1 Tobe Veritas High Duty Resistor 5,000 ohms.....	1.10	1 Coil Acme Flexible Celatsite Wire.....	1.00
1 Tobe Veritas High Duty Resistor 10,000 ohms.....	1.10	1 Baseboard, 7x12 .....	.50
1 Tobe 1 mfd. No. 301 Filter Condenser.....	1.25	1 Panel, 7x7x3/16 .....	.80
		1 Binding Post Strip, 7x1x3/16 .....	.20

Complete Kit Price \$51.10

Thordarson R-210 Power Compact

Power amplification needs but little introduction to the radio public, for no single feature in the field of radio has earned so much publicity as this recent development along the lines of better reproduction.

Bass notes require a considerable expenditure of energy. When we reason back and realize how much more mechanical energy it takes to sound the pedal diapason of the organ than the note of the violin, it is not difficult to appreciate that a correspondingly greater amount of electrical energy is required in the reproduction of these deeper tones. Consequently a radio tube with the capacity just sufficient to amplify comfortably the music of the violin cannot be expected to do justice to the tone of the heavier bass instruments.

Complete Specified Parts

1 Thordarson R-210 Power Compact.....	\$20.00	1 Baseboard .....	.50
1 Tobe R-210 Filter Block.....	13.00	1 Tobe 1,000 ohm Veritas Biasing Resistance.....	1.10
1 Set of Kroblak Resistances.....	4.50	30 Feet Rubber Covered Wire, screws, etc.....	1.00
2 Eby Sockets	1.00	2 Frost UX Sockets	1.20
7 Eby Posts	1.05	7 Eby Binding Posts	1.05
1 Binding Post Strip.....	.25		

Complete Kit Price \$44.65

WHEN YOU THINK of BATTERY-
"ELIMINATORS" and SPEAKERS
and YOU WANT THE BEST
THINK of ACME

ACME

MAKE FRIENDS of
YOUR CUSTOMERS
by SELLING —
ACME PRODUCTS

The New K-1 ACME Double Free-edge Cone



Acme is proud to offer you its new "double free-edge cone" loud speaker. Five years and 256 experimental models have finally enabled us to produce a loud speaker which gives "reproduction without distortion." The inherent resonance common to all other types has been eliminated. Low notes and soft overtones are faithfully reproduced. This speaker can be operated directly off of power tubes if desired with no additional apparatus. The cones are fourteen inches in diameter and the case is finished in a beautiful tan color ensuring harmony in the Home.

Acme K-1 \$25

The New E-3 ACME "B" Eliminator



The Acme E-3 B-Eliminator also uses a Raytheon tube and is designed to supply voltages up to 180 for sets having up to and including six tubes. The same humless, distortionless characteristics exist in this eliminator as in the E-1.

Three voltages are available, one for A. F. (180 max.), one for detector and one for R. F. The control of these voltages is accomplished by means of a rheostat in the primary line and fixed resistances in the output circuits. In this way single control is obtained and provision made for changing the detector and R. F. voltages when desired. Size 8 3/4 x 3 3/4 x 7 3/4 inches high.

Acme E-3 \$35.00



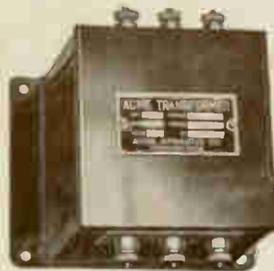
WHY ARE ACME PRODUCTS BEST SELLERS?

More than 200,000 set owners use one or more numbers of the ACME line. More than 200,000 radio fans have found ACME items make for better reception. Are these facts a reason for the ACME line being the best sellers? Sure they are—but take into consideration that the ACME Apparatus Company are pioneers in the transformer field—specialists in amplification even before the days of broadcasting.

Consider that this fact has been advertised all over the country, through magazines and newspapers— together with word of mouth of 200,000 satisfied users.

Consider that 93% of all radio dealers in the United States handle ACME apparatus—think it their best line because a sale is finished when the goods are sold until a repeat order comes through.

Acme Tone Filter



The Acme Tone Filter contains an impedance of the proper value through which the plate of the power tube is supplied, and which will carry enough current continuously without heating or deterioration. Also cased in the tone filter is a 4 mfd. through which the A. C. component of the power tube passes to the speaker.

List Price, \$6.00

NO Noise
NO Hum
NO "B"
Batteries



The Acme B Eliminators have no hum and what's more no distortion. When high B battery voltages (up to 180 volts) are used and where constant and uninterrupted service is required use this eliminator. The Raytheon tube is included and has no filament to burn out. A F, R F and detector voltages are available.

Type E-1 for sets having 1-12 tubes
110 volts 60 cycles \$50.00

Type E-2 for sets having 1-12 tubes
110-220 volts D. C. \$25.00

The New K-3 ACME Single Free-edge Cone



The Acme K-3 single free-edge cone speaker is the result of further research in loud speaker development. With a single eleven-inch free-edge cone faithful reproduction has been obtained. This loud speaker is finished in a beautiful bronze green and can be hung on the wall by the substitution of a special fitting for the base. This speaker can also be operated directly from a power tube amplifier.

Acme K-3 \$18.50