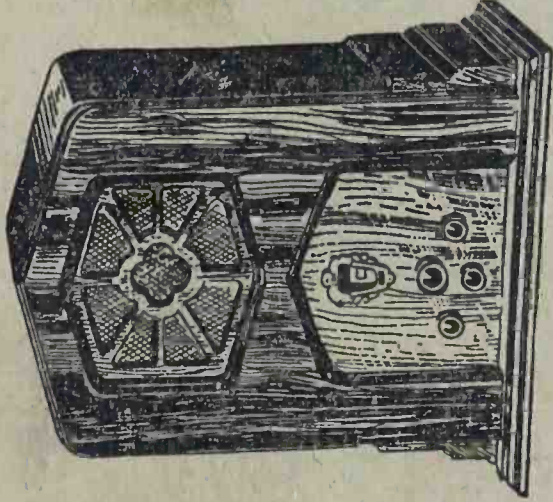


with receiver)..... **4.15** | Tubes: 4-224, 1-245, 1-280..... **4.10**

## 8 Tube R. C. A. Licensed Midget Super-Heterodyne 245 Push-Pull Receiver

In this limited space, we cannot attempt to even partially do this remarkable receiver justice — we ask you to turn to page 2 whereon a detailed description of this "super-het" and its machined dynamic speaker appears. The appearance of this most amazing receiver is decidedly deceiving. In that you SEE a "MIDGET," but listen to a veritable GIANT in performance! Every good selling point of the very best receivers on the market today is but an inherent feature of this "MIRACLE SUPER" — Selectivity, sensitivity, volume, fidelity of tone, simplicity of operation, trouble-free and fool-proof construction — all



these, and MORE, are happily possessed by this MIGHTIEST OF MIDGETS! Tubes required: 3-224, 2-227, 2-245, 1-280.

Cat. No. 1703.—8 Tube A.C. Super-Heterodyne Receiver with Matched Dynamic Speaker

# \$43.50

Cat. No. 1704.—Set of 8 R.C.A. Licensed Tubes: 3-224, 2-227, 2-245, 1-280. (Sold only with \$3.85 set at these prices.....)

**COAST TO COAST  
CORPORATION**

HEADQUARTERS  
ALL RADIO REPLACEMENT PARTS

**142 LIBERTY ST.  
NEW YORK CITY**

Need we say any more? We pay a "few cents" more for the highest quality speakers made and you pay a "few cents" more, but what a glorious feeling it is after all to realize that such prudence was not in vain! We want you to expect the very finest reproduction possible, for THAT IS WHAT YOU WILL RECEIVE! Over-all dimensions: 9 ins. diameter, 4 1/2 ins. deep.

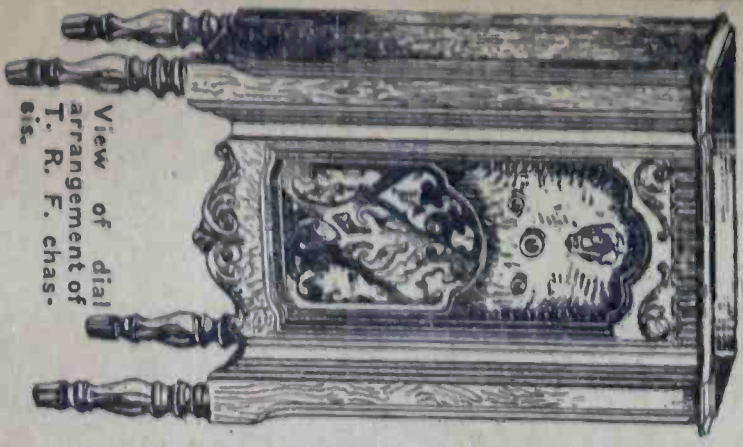
## Magnavox, Jensen or Rola Matched Dynamic Speaker Included!

### A. C. Tubes Required

3-224, 2-245, 1-280

Cat. No. 1695  
**Our Price** ..... **\$29.50**  
 In lots of 6, \$159.00  
Less Tubes, but Speaker Included.

Cat. No. 1696. Set of 6 R.C.A. Licensed Tubes ..... \$4.75  
 (Sold only at this price with chassis!)  
**See FREE TUBE Offer Below!**



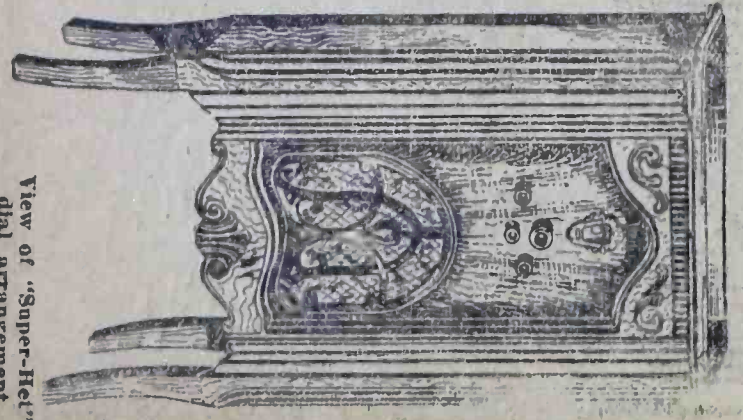
View of dial arrangement of T. R. F. chassis.

Cat. No. 1697  
**\$14.50**  
Less Chassis and Speaker

When either of these two cabinets are purchased WITH EITHER OF THE ABOVE MIDGET CHASSIS, we include ABSOLUTELY FREE, a set of 6 or 8 R.C.A. LICENSED TUBES, according to chassis ordered.

## FREE TUBES SPECIAL OFFER

Cat. No. 1698  
**\$16.50**  
Less Chassis and Speaker



View of "Super-Het" dial arrangement

## The "Marie Antoinette" and "Queen Anne" Consoles

In former days of custom-built furniture, a cabinet possessing the exquisite beauty of design and elegance of craftsmanship possessed by either of these two consoles, could only be afforded by the very wealthy—and so, were you to actually glance at either of these cabinets in an exclusive furniture shop-window, displayed without sales prices, your first impression would be to WISH YOU COULD AFFORD ITS PURCHASE! Well, you can! Just glance at OUR SENSATIONAL PRICES BELOW! Ideally con-

structed to properly house either of the above chassis, and to perfectly baffle the dynamic speaker. We sell a considerable number of these consoles without sets or speakers, for they will accommodate most any make midget receiver. Beautifully polished Adam brown WALNUT! Tastefully carved! A most exquisite grille design! Note the fluted corner posts, and graceful contour of the legs! A work of Masters! Overall dimensions: 33 inches high, 18 inches wide, 11 inches deep. Set compartment is 16 inches wide.

PH PICK-UP PROVISION. As considerable distance has been known to have an EXCLUSIVE FEATURE INDEED! The variable condenser sections, and Inductances are properly shielded! Constructed on a CADMIUM PLATED CHASSIS, so uniquely constructed that servicing, if ever required, is a simple and enjoyable task! SINGLE SPOT TUNING—NO HARMONICS! NO AUDIBLE RADIATION! NOR RADIATION! Note clever ON-OFF SWITCH—can be mounted on any convenient portion of cabinet. VOLUME CONTROL KNOB completes the panel controls. Over-all dimensions: 14 1/4 ins. long, 8 ins. deep, 8 1/2 ins. high.

## Matched Rola-Jensen-Magnavox Dynamic Speaker Included!

### A.C. Tubes Required

3-224, 2-227, 2-245, 1-280

Cat. No. 1700  
**Our Price** ..... **\$38.50**  
 In lots of 6, \$210.00  
With Speaker, but Less Tubes

Cat. No. 1699. Set of 8 R.C.A. Licensed Tubes ..... \$6.50  
 (Sold only with Chassis at this price!)  
**See FREE TUBE Offer Below!**

Plugs into a special socket provided on chassis. Due to the tremendous amplification produced, great care had to be exercised by this set's manufacturer to select a speaker, capable of handling such volume, without any possibility of chattering, blasting, rattling, etc. We leave it to you—could any better speaker have been selected? If you panel controls. Over-all dimensions: 14 1/4 ins. long, 8 ins. deep, 8 1/2 ins. high.

# Official RADIO SERVICE MANUAL

and  
Complete Directory of All Commercial  
Wiring Diagrams

Bound in

Loose-Leaf, Flexible Leatherette Binder

OVER 1,000 ILLUSTRATIONS, DIAGRAMS, ETC.  
352 PAGES 9x12 ins.--ACTUAL WEIGHT 2½ lbs.

Prepared Especially for the Radio Service Man

Edited by the internationally renowned authority of  
Radio, Mr. Hugo Cernusack, with the assistance of his  
"Radio-Craft" laboratory staff!

Never in the history of radio has there ever  
been published a service manual so complete, as  
this new OFFICIAL RADIO SERVICE MANUAL.  
It is a veritable encyclopedia of service information  
—worth several times its price. It is invaluable  
not only for the Service Man, but for everyone in-  
terested in radio.

There has been collected for this manual wiring  
diagram and data of nearly every commercial set  
of which there is any available record, manufac-  
tured since 1927, and many earlier ones.

Additional service data for new receivers, as they ap-  
pear on the market, will be published and supplied at a  
trifling cost so that the MANUAL may be kept up-to-  
date at all times.

Contains also a most comprehensive instruction  
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the set. When you purchase this mammoth book  
you make an investment and not an expenditure.  
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copies were available, they would not sell their  
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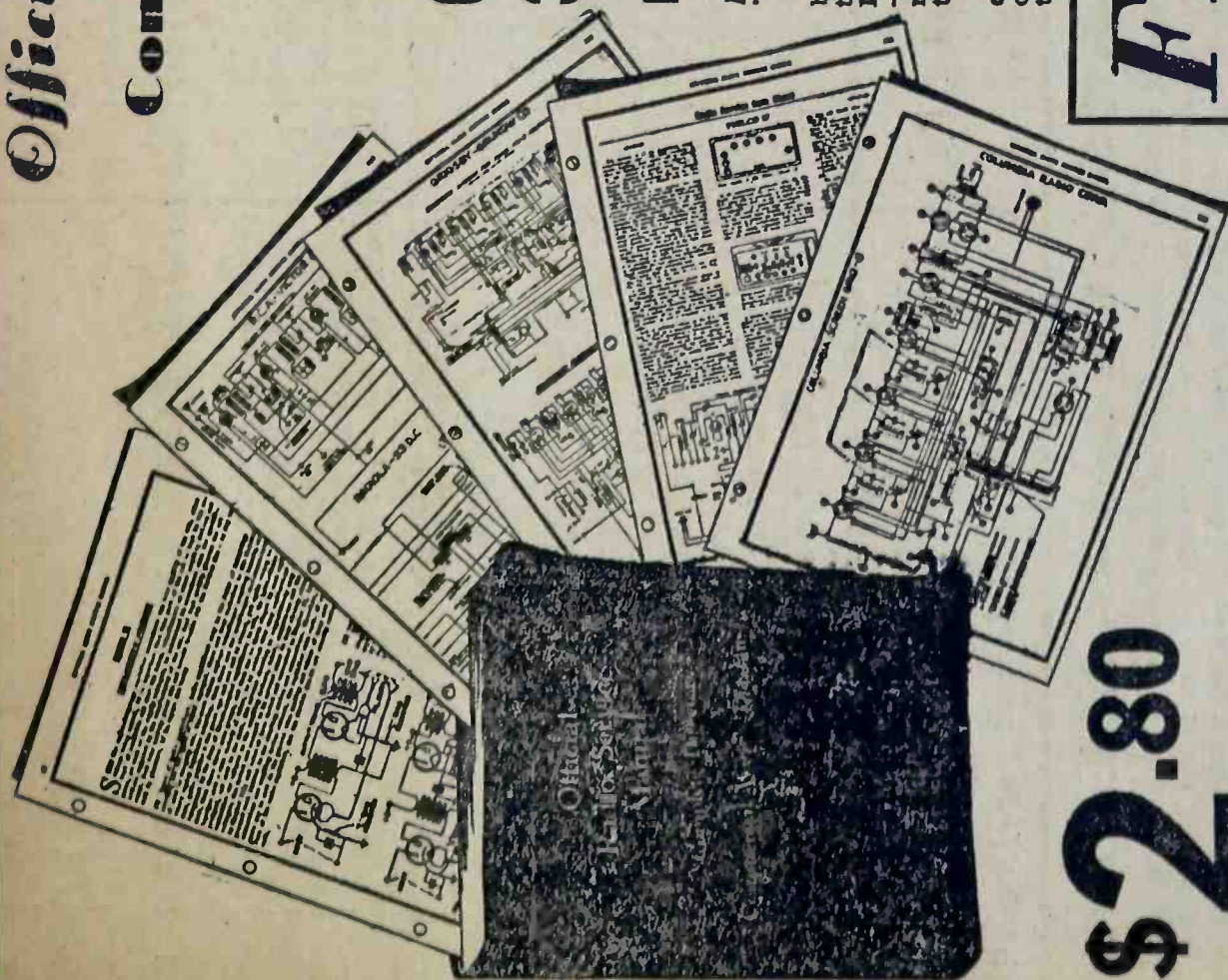
This means just what we say—with every purchase  
totaling \$50.00 (tubes excluded) we will include in the  
shipment one of these RADIO SERVICE MANUALS,  
absolutely free!

# FREE!

## IMPORTANT NOTICE

The next issues of our most valuable, and highly instructive catalogs, special bulletins, dealer helps, etc., will only be mailed to those names of Radio Service Men, Dealers, Agents and Radio Students that appear on our records, as having recently written us that they desire future mailings be sent to them.

If you have not so communicated with us, BY ALL MEANS DO SO AT YOUR EARLIEST CONVENIENCE—simply drop us a postal, with your name and address carefully written or printed thereon. Such communications should be addressed to the attention of Dept. P. M. S. It is emphatically understood that you are under no obligation to be registered as a member of our PREFERRED MAILING SERVICE! You have everything to gain thereby—nothing to lose.



# \$2.80

Cat. No. 1200

Model AC-65 For 4-226, 1-227, 1-210 (or 1-250), 1-281 .....	818	6.95	819	5.60	46-47-50-52-53 For 4 or 5-226, 1-227, 1 or 2-171A, 1-280 .....	856	4.25	857	4.95	Model 15-22 For 4-224, 2-245, 1-280 .....	1229	6.90	1230	7.20
Models AC-63 For 4-226, 1-227, 1-171A, 1-280 820	820	4.90	821	3.60	Models 55-55C For 2-224, 2-227, 2-245, 1-280 858	858	4.95	859	5.70	Model R-1 For 4-226, 1-227, 1-171A, 1-280 .....	1231	5.90	1232	6.85
Navigator For 6-227, 2-245, 1-280 .....	822	6.45	823	7.93	Models 60-70 For 3-224, 2-227, 2-245, 1-280 860	860	5.95	861	6.10	BUCKINGHAM Model 80 For 4-226, 1-227, 2-171A, 1-280 880	880	4.15	881	6.55
ACME ELEC. CO. Models 88 For 3-224, 2-227, 2-245, 1-280 824	824	4.45	825	4.95	BALDWIN Model 80 For 4-224, 1-227, 2-245, 1-280 862	862	4.95	863	6.85	Model 33-34 For 3-224, 1-227, 2-245, 1-280. 882	882	5.85	883	7.45
Models AC-7 For 4-226, 1-227, 1-171, 1-280 826	826	3.80	827	4.20	BALKITE Models A-3, A-5, A-7 For 5-227, 2-112A, 1-280 Models C and F For 5-227, 1-224 (in model F), 2-245, 1-280 tubes .....	864	5.25	865	6.95	Models 31-AC For 2-226, 2-227, 2-171A, 1-280 884	884	4.60	885	4.25
ALL-AMERICAN MOHAWK CORP. Models AC "W" For combination of 1 1/2, 2 1/2 and 5-volt A.C. tubes .....	828	3.60	829	3.85	BOSCH SETS Models 48-49-58-60 For 3 or 4-224, 1-227, 2-245, 1-280 .....	866	4.85	867	5.90	Models 32-AC For 4-224, 1-227, 2-245, 1-280 886	886	5.85	887	6.55
Lyric Models 60-61-62-65-66 For 3-226, 2-227, 1-171A, 1-280 830	830	3.90	831	4.20	BREMER TULLY Models 6-40 Power Converter For 4-226, 1-227, 1-171A, 1-280 870	870	4.35	871	5.75	Models C-1, C-2, C-3, C-4 For 5-226, 1-227, 1-171, 1-280 888	888	4.76	889	5.80
Models 80-83-84-85-86-88 For 4-226, 2-227, 1-171A, 1-280 832	832	4.65	833	4.95	Models 8-20A, 21-A For 4-226, 2-227, 2-210, 1-281 872	872	7.60	873	8.40	Models C-5 (20S), K-24 For 5-226, 1-227, 1-250, 2-281 890	890	8.57	891	8.25
Models 70-73-75 For 4-226, 2-227, 1-250, 1-280 834	834	7.90	835	8.04	Models 7-70, 7-71 For 3-226, 2-227, 2-171A, 1-280 874	874	4.65	875	4.68	Models 930-300 and 931 For Phonograph Models 1-226, 1-210, 2-281 or 1-226, 1-250, 2-281 .....	892	9.40	893	9.75
Models 90 Chassis For 7-227, 2-245, 1-280 .....	836	6.95	837	4.85	Models 902-950-961 For 4-226, 1-227, 1-250, 2-281 896	896	9.75	897	9.75	Models 980 Tuner For 4-226, 1-227, 1-280 ..	898	4.70	899	2.50
Models 96 Chassis For 3-224, 2-227, 2-245 .....	838	4.80	839	3.95	Models 81-82-31 Comb. For 5-227, 2-245, 1-280 .....	1219	6.90	1220	6.80	Models 890, P. Pull 250 Power Amplifier For 2-227, 2-250, 2-281 .....	900	8.90	901	8.50
AMERTAN Models P.F. 250 Amp. For 3-227, 2-250, 2-281 .....	840	9.75	841	8.95	BROWNING DRAKE Models 34-36-38 For 5-226, 1-227, 1-227, 1-227, 1-280 876	876	5.75	877	7.52	COLUMBIA (CHICAGO) Model Screen Grid 8 For 3-224, 2-227, 2-245, 1-280 902	902	5.90	903	5.20
Models 2-AP, 21-D For 1-227, 2-250, 1-281 .....	842	8.25	843	8.95	BRUNSWICK Models 14-21-31 For 5-227, 2-245, 1-280 .....	878	6.50	879	6.95	Models 30S, 31S, 33S, 34S, 40S, 41S, 42S, 82S For combinations of 224, 227, 245 and 280 tubes. State model desired .....	904	4.75	905	4.25
AUDIOLA All models Any combination of tubes..	844	5.25	845	6.75	Models S 14- S 21- B. T. S. 81- B. T. S. 82 For 4-224, 1-227, 2-245, 1-280 1221	1221	6.50	1222	6.95	CROSBLEY Models 41S, 42S, 82S For combinations of 224, 227, 245 and 280 tubes. State model desired .....	904	4.75	905	4.25
AMRAD Models AC-6 For 4-226, 1-227, 1-171A, 1-280 846	846	4.90	847	5.20	Models 5 NC 8, 3 NC 8, 5 NO For 7-227, 1-171A, 1-280 .....	1223	10.90	1224	8.75					
Models AC-7 For 5-226, 1-227, 1-171, 1-280 848	848	5.45	819	6.40	Model 3 KR 8 For 4-226, 1-227, 1-250, 2-281 1225	1225	10.95	1226	9.65					
Models "7100" For 4-226, 1-227, 1-210 (or 1-250, 2-281 .....	850	7.20	851	9.40										
Models 81, Bel Canto Series For 3-224, 2-227, 2-245, 1-280 852	852	5.75	853	5.90										

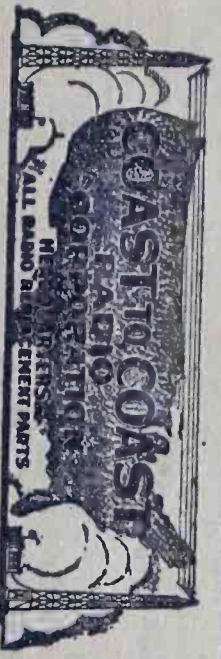
(Continued on next page)

## Please Follow These Instructions for Prompt Service and Avoid Errors

Due to certain set manufacturers practice of changing the make and type of A.C. Transformers and Condenser Blocks used in any one model receiver, it is suggested that you RETURN TO US THE DEFECTIVE UNIT, SO THAT THERE WILL BE NO ERROR ON OUR PART SHIPPING YOU A SLIGHTLY DIFFERENT REPLACEMENT PART. If this is not possible then submit a detailed sketch, showing number of terminals in their proper placement, and their electrical specifications. (Be sure to mention how many A.C. filament secondaries are provided on transformer to be replaced.) State over-all dimensions, and as much other helpful information as possible—if transformer or condenser block fits into a metal box please state size of same, and if equipped with lugs or leads (state colors).

### LABORATORY REPAIR SERVICE!

We are equipped to SERVICE any type or make of Electrical or Radio Apparatus. Our staff of engineers KNOW HOW! Ship us any defective Radio Set, "A" or "B" Eliminator, Power Amplifier, Loud Speaker, etc., etc., for a repair estimate, LABORATORY REPORT AND CHECK-UP, submitted absolutely FREE! We will not proceed with repairs until you so advise us! Our charges for all such work are EXTREMELY REASONABLE.



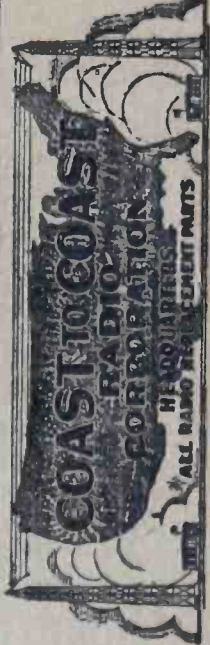
142 LIBERTY ST., NEW YORK CITY

### BATTERY SETS CONVERTED INTO MODERN A.C. SOCKET POWER OPERATED MODELS

Laboratory methods and equipment, PLUS REAL RADIO ENGINEERING "BRAINS" USED! Your old battery set has proven its worth—so keep it! We will make it A.C. operated for a minimum charge, plus materials, as listed in this catalog. Ship in your set for an estimate! (Ship without battery equipment or speaker.)

For 1-222, 1-226, 1-227, 1-171A, Model "QD"..... 1279	5.90	1280	5.75	4.50	1021	5.75	1105	6.95
For 4-226, 1-227, 1-250, 1-281 1281	8.75	1282	6.85	4.90	1023	6.25	1107	3.85
For 4-226, 1-227, 1-250, 1-281 946	6.90	947	8.20	5.95	1025	6.25	1109	3.85
For 4-226, 1-227, 1 or 2 171A, 948	3.90	949	3.86	5.95	1027	6.25	1111	6.25
GENERAL ELECTRIC	7.90	1238	8.20	4.75	1029	6.25	1115	6.45
Model H-31, H-51, H-71	6.90	959	8.45	6.75	1031	7.20	1117	6.55
For 4-224, 2-227, 2-245, 1-280 1237	5.90	1239	6.85	3.85	1033	6.25	1119	8.20
GENERAL MOTORS	5.97	961	6.85	3.85	1085	6.25	1121	8.50
Models Day-Fan 6-AC, 5-AC	4.30	965	4.90	5.75	1284	6.85	1123	6.95
For Kellogg Type tubes.... 958	4.90	967	5.20	4.15	1037	6.10	1125	7.65
Model A	4.95	969	6.90	5.75	1284	6.85	1125	7.65
For 3-224, 2-227, 2-245, 1-280, 1237	6.90	971	8.20	4.90	1039	5.95	1127	5.50
Models Day-Fan 8-AC, 5077, 5080	9.65	1244	9.95	5.90	1041	6.40	1129	6.75
For 5-226, 1-227, 2-171A, 1-280 960	4.95	973	6.75	10.90	1043	14.75	1131	9.45
GILFILLAN	5.90	975	4.95	5.80	1045	6.75	1133	9.75
Models 100	5.90	985	6.85	4.95	1047	4.95	1135	8.75
For 4-226, 1-227, 1-171, 1-280 964	5.90	987	7.45	10.90	1258	14.75	1137	9.75
For 6-227, 1-245, 1-280..... 966	6.90	989	10.45	5.95	1260	6.95	1139	8.45
GRAYBAR	5.90	991	6.44	6.45	1097	7.35	1141	8.35
Models 311	4.95	969	6.90	3.85	1085	6.25	1121	8.50
For 4-226, 1-227, 1-171A, 1-280 963	6.90	971	8.20	5.75	1284	6.85	1123	6.95
1931 Super-Het Models 700, 770, 900	9.65	1244	9.95	4.90	1039	5.95	1128	6.75
For 4-224, 2-227, 2-245, 1-280 970	5.90	973	6.75	5.90	1041	6.40	1125	7.65
Model 500	4.95	975	4.95	10.90	1043	14.75	1129	6.75
For 3-224, 2-227, 2-250, 1243	5.90	985	6.85	5.80	1045	6.75	1131	9.45
2-281 .....	5.90	987	7.45	4.95	1047	4.95	1133	9.75
GREBE	5.90	989	10.45	10.90	1258	14.75	1135	8.75
Super Synchronphase, Type	6.90	987	7.45	5.95	1260	6.95	1137	9.75
Sk-4, AH 1	11.80	989	10.45	6.90	1049	8.20	1139	8.45
For 3-224, 1-227, 2-245, 1-280	5.90	973	6.75	6.45	1097	7.35	1141	8.35
and Ballast Tube..... 972	5.90	975	4.95	5.90	1041	6.40	1125	7.65
Synchronphase 7-AC	4.95	975	4.95	10.90	1043	14.75	1129	6.75
For 5-226, 1-227, 1-171, 1-280, 974	5.90	985	6.85	5.80	1045	6.75	1131	9.45
2-281 .....	5.90	987	7.45	4.95	1047	4.95	1133	9.75
GULBRANSEN	5.90	989	10.45	10.90	1258	14.75	1135	8.75
Model "9-in-line"	6.90	987	7.45	5.95	1260	6.95	1137	9.75
For 5-226, 1-224, 2-245, 1-280 984	5.90	985	6.85	5.80	1045	6.75	1131	9.45
HOWARD	5.90	987	7.45	4.95	1047	4.95	1133	9.75
Model S.G.A.	5.90	989	10.45	10.90	1258	14.75	1135	8.75
For 3-224, 1-227, 2-245, 1-280, 1245	6.90	987	7.45	5.95	1260	6.95	1137	9.75
Model 8 Green Diamond	5.90	985	6.85	5.80	1045	6.75	1131	9.45
For 5-226, 1-227, 2-171A, 1247	5.90	987	7.45	4.95	1047	4.95	1133	9.75
1-280 .....	5.90	989	10.45	10.90	1258	14.75	1135	8.75
For 5-226, 1-227, 2-245, 1-280, 1249	6.90	987	7.45	5.95	1260	6.95	1137	9.75
KELLOGG	11.80	989	10.45	6.90	1049	8.20	1139	8.45
Models "AC-7"	5.90	991	6.44	6.45	1097	7.35	1141	8.35
For Kellogg Tubes..... 986	5.90	985	6.85	5.80	1045	6.75	1131	9.45
Models 524-525-528-527	5.90	987	7.45	4.95	1047	4.95	1133	9.75
For 3-224, 2-227, 2-250, 2-281, 988	5.90	989	10.45	10.90	1258	14.75	1135	8.75
Models 523-526	6.90	987	7.45	5.95	1260	6.95	1137	9.75
For 3-224, 3-227, 2-245, 1-280, 990	11.80	989	10.45	6.90	1049	8.20	1139	8.45
2-281 .....	5.90	991	6.44	6.45	1097	7.35	1141	8.35

*All Other Power Pack Transformers—Condenser Blocks Not Listed Are Also Available*



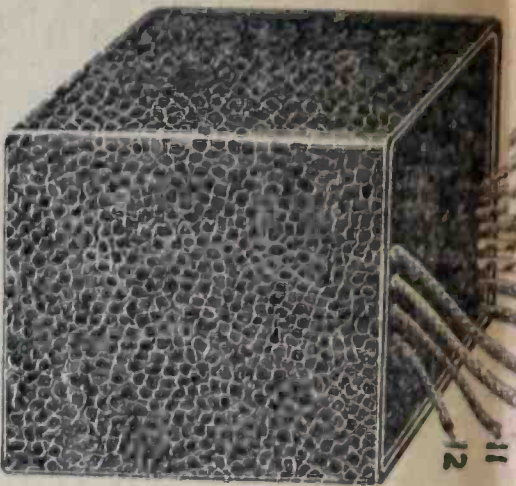
142 LIBERTY ST., NEW YORK CITY

# FREE

With every \$50.00 order, we include FREE an Official Radio Service Manual—See page 3

**WE HAVE NO CONNECTION WITH ANY OTHER RADIO MAIL ORDER CONCERN**

namely: Green-yellow (Nos. 3 and 4) for 177A tubes; Black (Nos. 9 and 10) for 4 or 5-226 Yellow - Black Tracer (Nos. 227 and 5) for 227 Detector; Black (Nos. 7 and 8) High Plate Voltage; Red-Black (Nos. 1 and 2) for 280 filament. Primary leads are Nos. 11 and 12. Center tap for High A.C. has brought out with a bare wire lead



—not shown in picture. Many set builders and repairmen prefer to use this identical transformer for universal application, due to its unusual compactness and pronounced efficiency.

Cat. No. 856

**Our Price \$4.25**

**Replacement Audio Transformer for Atwater Kent Sets**

For all battery sets and all model electric sets. Properly designed for use in 1st A. F. circuits.

Cat. No. 320

**\$1.50 each**

Six for \$8.50

Special 2nd A. F. Stage Model

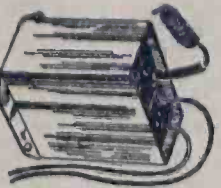
Cat. No. 619

**Our Price \$2.45**

Dozen lots, \$28.20

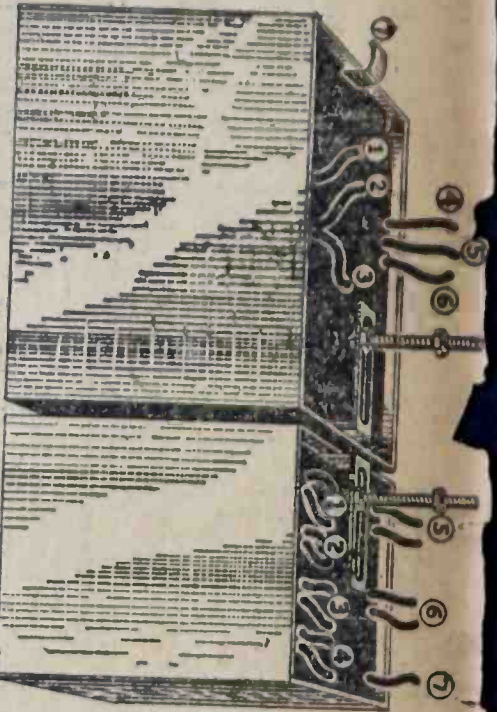
**Silver-Marshall Output Choke & Condenser**

Protects All Speakers From Excessive Voltage



This unit contains a 2 mfd. 1000 volt condenser, connected to a 30 henry choke (150 mils). It may be used as an output system for protection of speaker windings, when coupled to a 250, 210, 245, or 171A type tube. Two or more of these units may be connected together to form an ideal "brute-force" filter. 3 3/8 in. long, 2 1/8 in. wide, 3/2 in. tall. Cat. No. 1421—

**OUR PRICE \$1.95**



Cat. No. 334

**Condenser-Choke Unit**

Cat. No. 335  
**A.C. Power Transf.**

The original sets manufactured by Atwater Kent, of the series above enumerated, used a power pack, so constructed that in case one of the component parts, contained within the almost inaccessible pitch compound, became defective, it was actually necessary to purchase a new, complete replacement power pack. A-K were quick to realize the fallacy of such an awkward arrangement, and to save their dealers and customers considerable money their power pack was re-designed—in that SEPARATELY REMOVABLE UNITS were thereafter housed within the 2nd improved type power pack case. Now, should either unit break down, it is merely necessary to purchase one replacement unit, and there is no difficulty involved in making the actual replacement—the units fit into a common metal case. Note that there is provided an adjustable resistance block mounting post arrangement. THESE UNITS ARE SO UNUSUALLY EFFICIENT AND COMPACT THAT THERE IS A GREAT DEMAND FOR THEM FOR USE IN ANY A.C. RECEIVER EMPLOYING 171-A TUBES. The Condenser Choke Block terminals are as follows: No. 7: Ground; No. 1: Detector By-Pass; No. 2 and No. 3: R.F. and 1st A.F. By-Pass; No. 4: B+ R.F.; No. 5: B+ Second Audio; No. 6: to 280 filament. This unit contains TWO FILTER AND ONE SPEAKER CHOKES, AND FIVE FILTER CONDENSERS. The A.C. Power Transformer terminals are as follows: No. 1: Secondary High A.C.; No. 2: 2 1/2 volts A.C. for 227; No. 3: 5 volts for 1 or 2-171A filaments; No. 4: 5 volts for 280 filament; No. 5: 110 volt A.C. Primary; No. 6: 1 1/2 volts for 4 or 5-226 tubes; No. 7: To GROUND.

Cat. No. 334—Condenser-Choke Block.

**\$6.45**

Cat. No. 335—A.C. Power Transformer Unit.

**\$4.95**

**Cat. No. 334 Condenser Choke Block with Provision for External Replacement of Filter Condenser Sections.**

This unit resembles Cat. No. 268, illustrated on this page, but contains FIVE FILTER CONDENSERS, THREE FILTER CHOKES AND ADJUSTABLE RESISTOR MOUNTING PLATE ARRANGEMENT.

**\$7.95**

**RADIO SERVICE Man's Handy Book**

With Addenda Data Sheets

This new book contains a tremendous amount of the most important data of every kind—several hundred illustrations, wiring diagrams, charts, on every conceivable subject pertaining to radio sets, tubes, etc. The book is live "meat" from start to finish, and contains only practical information on which every radio man can cash in immediately.



Just to give you a few subjects contained in the book, we mention the following:

Prescriptions of a radio doctor. Modernizing old receivers. Servicing obsolete sets. Operating notes for Service Men. Service Men's data. Servicing automobile radio installations. Curing man-made static. Causes and cure of radio interference. Notes on repairing "B" power units. Constructional data on laboratory equipment. A portable radio testing laboratory. Servicing with the set analyzer. What and how the Service Man should sell. Helping the Service Man to make money. How to become a Service Man. Servicing broadcast receivers. All about vacuum tubes, and vacuum-tube data. Special radio Service Man's data. Dozens of radio service data sheets. And hundreds of other similar subjects.

**A NEW DEPARTMENT**

Every Service Man, every radio man, every radio experimenter and every radio professional makes his own notes, drawn his own circuits and writes down his own observations and his own data. For these reasons, the RADIO SERVICE MAN'S HANDBOOK has been made in loose-leaf form. There are supplied with this book 48 special ledger paper pages, square ruled on both sides so that you can take a leaf and place it wherever you wish, and write on it your own data. If you wish, you can also cut out data from other publications and paste it on the sheet—placing it in its proper position in the loose-leaf book.

The total number of pages is 200 and the book contains such a wealth of radio material as you have never seen before between two covers. NOTHING LIKE IT HAS EVER BEEN PRODUCED. The book is of the large size, 9 x 12 inches, and is in the same loose-leaf form as the OFFICIAL RADIO SERVICE MANUAL. It has a semi-flexible cover with gold stamping.

Stewart Warner Rotary Snap Switch

5 Amp. 125 Volt With Knob

Cat. No. 1614

**Our Price**

**15c**

**\$1.50 per dozen**

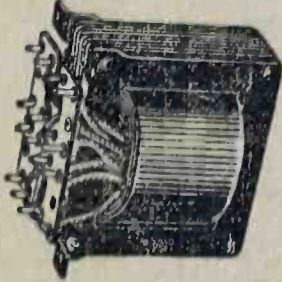


For 4-224, 1-227 and 2-245. 660 volt center tapped high voltage secondary. Pitch filled metal case is 6 $\frac{3}{4}$  in. wide, 6 $\frac{3}{4}$  in. long, 4 in. tall.  
For 110 volt, 60 cycle A. C.  
Cat. No. 1348. **OUR PRICE**..... **\$2.65**  
Cat. No. 1349. For 25 cycle.  
**OUR PRICE**..... **\$3.65**  
(All Other Models in Stock)

**REPLACEMENT A. C. POWER TRANSFORMER FOR**  
**Kolster K-20, K-21, K-22, K-23, K-25**  
**K-27, K-28 A. C. Sets**

One of the most popular transformers in our whole line. Will handle up to 5-226, 1 or 2-227, 1 or 2-171A, 1-280. Very compactly built.  
Cat. No. 1350.  
**OUR PRICE**..... **\$4.60**

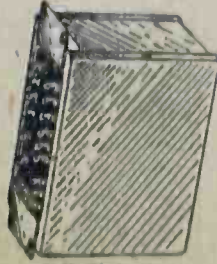
For Kolster K-24 Set. For 4 or 5-226, 1-227, 1-210 (or 1-250), 2-281. Cat. No. 1016  
**OUR PRICE**..... **\$9.40**  
(All Other Models in Stock)



**A. C. POWER TRANSFORMERS FOR**

**APEX A. C. RECEIVERS**

For Models 48, 41, 42, 46, 47. For 5-224 (or 227), 2-245, 1-280. Mention particular model for our guidance in shipping you the exact type transformer required.  
Cat. No. 1351.  
**OUR PRICE**..... **\$5.95**  
(All Other Models in Stock)

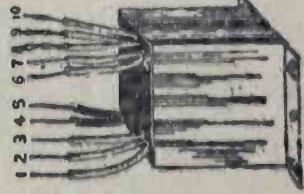


**A. C. FILAMENT TRANSFORMER FOR**

**Majestic and Freshman Sets**

Furnishes 1 $\frac{1}{2}$ , 2 $\frac{1}{2}$  and 5 Volts  
for 5-226, 1 or 2-227, 2-171A  
or 1-280

One of the most versatile transformers in our whole stock—always keep several on hand for any emergency. Mounted in a pitch filled metal container, 3 $\frac{1}{2}$  ins. long, 2 $\frac{1}{2}$  ins. deep, 3 $\frac{1}{4}$  ins. high. Arrangement of terminals: Nos. 1 and 6, 1 $\frac{1}{2}$  volt A.C.; Nos. 2 and 7, 2 $\frac{1}{2}$  volt; Nos. 3 and 10, 5 volt; No. 9, center tap for 5 volt; Nos. 4 and 5, 110 volt A. C. primary; No. 8, center tap for 2 $\frac{1}{2}$  volt.  
Cat. No. 1418. **OUR PRICE**..... **\$2.95**



Cat. No. 1367.  
**OUR PRICE**..... **\$6.40**  
Model 846. For 3-224, 3-227, 2-245, 1-280  
Cat. No. 1733.  
**OUR PRICE**..... **\$7.60**  
Model 10-11. For 4-224, 2-245, 1-280.  
Cat. No. 1088.  
**OUR PRICE**..... **\$6.90**  
(All Other Models in Stock)

**A. C. Replacement Power Transformers for**

Temple, Knight, Columbia Sets

For all models—state type of tubes used, or model number.  
Cat. No. 1368.  
**OUR PRICE**..... **\$5.90**

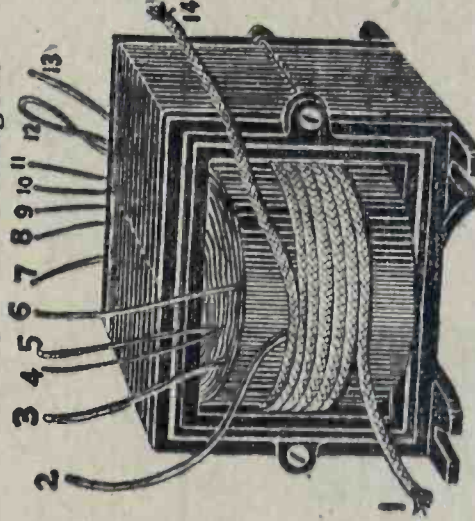


**HEAVY-DUTY**

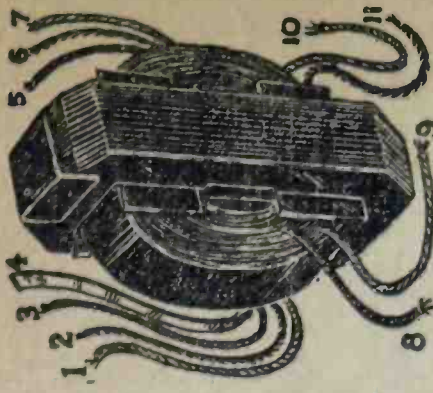
**250 Push-Pull A. C. Power Transformer**  
For A. C. Sets Requiring 6-2 $\frac{1}{2}$  Volt Tubes, 2-250, and 2-281's—Furnishes all A. B. C. Voltages!

The prevailing thought when this super-power transformer was being designed, was to produce one of ample proportions to withstand all excessive loads without fear of breakdown or over-heating!

Especially suitable for elaborate public address amplifiers, super-power amplifiers, multi-tube A. C. receiver, general replacement purposes, etc. For full wave rectification, using two 281 tubes. Arrangement of terminals is as follows: Nos. 4 and 5, 110 volt, 60 cycle primary; Nos. 3 and 6, 7 $\frac{1}{2}$  volts for 2-281; Nos. 1 and 14, 2 $\frac{1}{2}$  volts for 6-227 or 224 tubes (very heavy wire used!); No. 2, center tap for Nos. 1 and 14; Nos. 11 and 13; 7 $\frac{1}{2}$  volts for 2-250; No. 12, center tap for 7 $\frac{1}{2}$  volt secondary; Nos. 7 and 9, high voltage (1250) A. C.; No. 8, center tap for Nos. 7 and 9. The iron lamination coil in this transformer is fully 2 inches thick, and is securely clamped with a specially ribbed pair of iron brackets, with convenient mounting feet, 4 in. x 3 $\frac{3}{8}$  in. x 3 $\frac{3}{8}$  in.  
Cat. No. 1436. **Our price**..... **\$5.85**



**Stromberg-Carlson AC Power Transformer**  
**A Splendid Replacement Transformer for R.C.A.-66; Sonora B-31 and A-31, etc.**  
For 7-227 (or 224), 2-245, 1-280  
A beautifully engineered product. Certainly worthy of its manufacturer's highest reputation for **QUALITY APPARATUS**. Arrangement of terminals: Nos. 3, 2 and 8, variable tapped 110 volt A.C. Primary; Nos. 1 and 9, **EXTRA HEAVY** 2 $\frac{1}{2}$  volt A.C. winding for **EIGHT** 2 $\frac{1}{2}$  volt tubes; No. 4, Electrostatic shield to **GROUND**; Nos. 11 and 7, 5-volts A. C. for 280; Nos. 6 and 10, 750 volts A. C. secondary; No. 5, Center Tap for Nos. 6 and 10, 5 $\frac{1}{2}$  in. high, 4 in. deep, 3 in. wide.  
Cat. No. 1406. **OUR PRICE**..... **\$3.95**

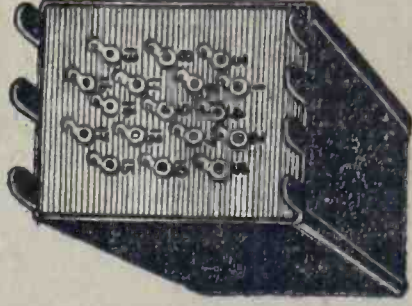


**Same Model—But Furnished With Two 2 $\frac{1}{2}$  Volt A. C. Filament Secondaries**  
In some instances, it is desirable to light the 2-245 power tubes from a separate secondary—this transformer is ideal for such requirements.  
Cat. No. 1407. **OUR PRICE**..... **\$5.75**

**Victor "A-B-C" A. C. Power Transformer**  
For Victor Sets RE-32, R-42, RE-45, RE-75  
Equipped With Two 1 $\frac{1}{2}$  and Two 2 $\frac{1}{2}$  Volt A. C. Fil. Secondaries!

For 6-226, 1-227, 2-245, 1-280 Tubes

Built along generous proportions—made for extra heavy duty loads. Fully shielded and provision made for dissipation of any heat. Produces an unusually high A. C. voltage of 400 (at 150 mils.) on either side of center tap. Arrangement of terminals: Nos. 3 and 6, **PRIMARY**; Nos. 16 and 11, high voltage secondary; No. 13, center tap (and ground) for high voltage! Nos. 14 and 9, 5 volts A. C. for 280; No. 1, center tap for 280 filament; Nos. 10 and 15, 1 $\frac{1}{2}$  volts A. C. for 1-226 (1st audio); Nos. 17 and 12, 2 $\frac{1}{2}$  volts A. C. for 2-245; No. 8, center tap for 2-245; Nos. 7 and 5, 1 $\frac{1}{2}$  volt A. C. for 5 R. F. 226; Nos. 4 and 2, 2 $\frac{1}{2}$  volts A. C. for 1-227 Detector, 4 $\frac{5}{8}$  in. long, 3 $\frac{5}{8}$  in. wide, 4 $\frac{1}{2}$  in. high.



Cat. No. 1437. **OUR PRICE**..... **\$2.75**

## AC Power Transformer

For 245 Sets

Replacement for Zenith Models 33, 33X, 34, 35, 35A

Delivers 100 volts on each side of center tap. Also has 2 filament windings of 5 volts for 3-177A and 1-0Z200 rectifying tube and 2 1/2 volts for up to 1-227, 224, 245 tubes. For 110 volts, 60 cycles A.C. 4 1/2 in. high, 4 in. wide, 3 1/2 in. long.

Cat. No. 409  
**Special \$2.75**

Mounted in a Pitch-Filled Case **\$5.00**



## Peerless 245 A.C. Power and Filament Transformer

For use with Peerless No. 22, No. 23A, No. 24, No. 25 Sets

Available with one or two 2 1/2 volt filament windings. For use with 1 or 4 324, 3-227, 2-245, 1-230 tubes. For 110 volt, 60 cycle A.C.



Cat. No. 410  
**Our Price \$4.75**

Specify if single or double 2 1/2 volt A.C. windings are desired

Mounted in a Pitch-Filled Case at No. 418 **Our Price \$5.95**

## 700 Volt C.T. A.C. Transformer With 7 1/2 Volt Filament for 1-281 Tubes

Here is a big value! Grab these transformers off while the supply lasts, even if you have no use for one at present. Imagine: 700 volt C.T. secondary and one 7 1/2 volt secondary for so little money. Ideal for Power Packs, Eliminators, Power Amplifiers, etc., etc. Use two of these units to obtain 1,350 volts, for 2-281 (for 2-2501).

Cat. No. 344  
**Our Price \$1.25**



Same as Cat. No. 423, but designed for PUSH-PULL POWER AMPLIFIERS, Requiring 2-250 Tubes

Cat. No. 130  
**Our Price \$8.75**

## Thordarson Replacement 245 A.C. Power Transformer

For 8-224 or 227, 2-245, 1-280 Tubes



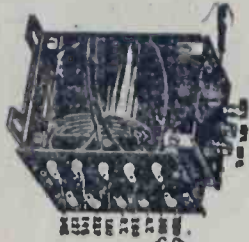
Delivers 350 Volts on each side of the Center-Tap. Filament Winding of 5 Volts, center-tapped for UX-230 Rectifying tube, and 2 1/2 Volts Filament Winding at 11% Amperes. Operates on 100-130 Volts, 50-60 Cycles A.C. current.

Cat. No. 395 **\$2.75** for 50-60 Cycle  
Cat. No. 396 **\$3.25** for 25-Cycle

Mounted in a Pitch-Filled Case  
Cat. No. 397 **\$3.95** 60-Cycle  
Cat. No. 398 **\$4.75** 25-Cycle

## 750 Volt 245 A.C. Power Transformer Equipped with Two 2 1/2 volt windings!

CONTAINS: Primary—110 volt, 50 to 60 cycles A. C., equipped with several voltage taps. Secondary—25 volt, supplies filament for five or more screen grid or 227 type tubes. Secondary—25 volt, supplies filament for two 245 power tubes. Center tapped. Secondary—5 volt, supplies filament for one 280 rectifier. Center tapped. Secondary—High voltage, 375 volts each side of tap, supplies sufficient plate current for two 245 power tubes. Ideal for general replacement purposes and use in new sets and power packs. One of the finest quality transformers on the market.



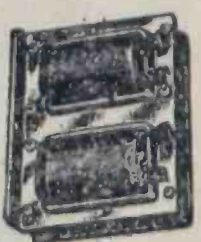
Cat. No. 630  
**Our Price \$3.85**

Complete Wiring Diagram with each Transformer Cat. No. 411

Our Price **\$1.90**  
Mounted in a Pitch-Filled Case **\$3.95**

## Thordarson Double Filter Chokes

Contains Two 18 Henry 250 Mill Chokes



Model T-2458

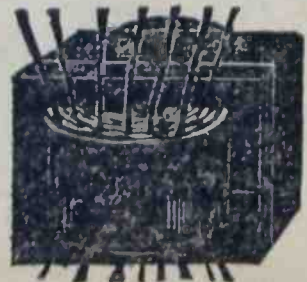
When connected in series this choke coil has a capacity of 36 henries at 250 mills, and when connected in parallel 18 henries with 500 mills carrying capacity.

Size 3x7x5 1/2 inches. List \$19.50.  
Replacement Choke for Federal Receivers Models D, E, F, G and H  
Cat. No. 406 **Special \$6.75**

## Earl ABC Power Supply and Filament Transformer

For Use with 4-226, 2-227, 2-171A, 1-280  
Properly Center-Tapped Complete wiring diagram with each transformer.  
3 1/2 in. x 3 in. x 2 1/2 in.  
Cat. No. 404  
**Our Price \$1.75**

Mounted in a Pitch-Filled Case  
Cat. No. 405 **\$2.95**



## Thordarson Giant 171-A A.C. Transformer

Never made to sell at our price—that you can depend on. Of ample proportions—originally made with provision for more than sufficient reserve. This is really an over-size transformer. Will operate 5-226, 1 or 2-227, 1 or 2-171A and 1-280. Properly center tapped! Cat. No. 1394  
**Our Price \$3.50**



Special Model With Two 1 1/2 Volt Windings Same as above, but provision is made for the 226 tube in 1st A. F. stage to be lit from separate secondary! Cat. No. 1395.  
**Our Price \$4.50**



Cat. No. 391

**Our Price \$4.65**

Lots of 6, \$4.50 each

## R.C.A. Condenser Block and Output Choke

Used in Radiolas 33, 18, 17 and 51

RCA Part No. 8333. Contains two 1 mfd. filter condensers, and one 1/2 mfd. output condenser and choke coil, for speaker protection. 450 volt rating. 3 1/4 in. x 2 3/4 in. x 3 1/4 in.

List \$7.40

**Net Price \$1.50**

Lots of 6, \$1.35 each



VICTOR PUSH-PULL TRANSFORMER

### Victor Push-Pull Transformer

One of the best "buys" on the market. Impregnated in pitch-colored Leads. Input and Output Push-Pull, both contained in one case.

Cat. No. 372

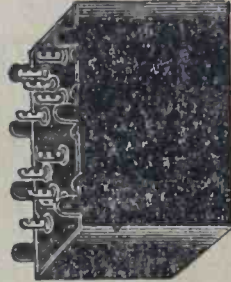
95c per pair

### Victor Input and Output Push Pull Audio Transformer

Electrostatically shielded amplification on all frequencies, as it is impregnated against lamination vibration. Output matches moving coil on all dynamic speakers. Can be used with 171a, 245 and 250 tubes. Both Input and Output transformers mounted in one case! A Victor or any A. F. transformer is required for 1st A. F. stage.

Cat. No. 367

**Net Price \$1.35 pair**



tapped secondary for 1 or 2-171A tubes.

5 in. x 3 1/8 in. x 4 1/2 in.

**Our Price \$3.75**

### Plate Transformer

Contains: Primary winding; center tapped high voltage secondary and center tapped 5 volt A. C. secondary for Cat. No. 1313

**Our Price \$3.75**

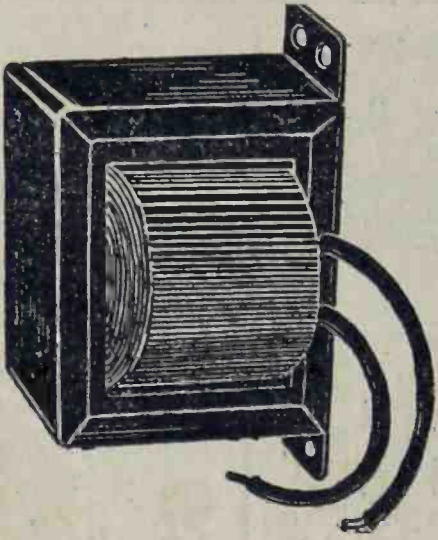
### 2,500 Ohm Filter Choke

Insert this choke in place of D. C. field, enabling use of any A. C. dynamic speaker

Most present day A. C. receivers use a D. C. dynamic speaker field coil, as one of the filter chokes. If you wish to use an A. C. dynamic speaker, having one on hand, simply insert this choke into the circuit where the field coil of the D. C. dynamic was connected, thereby equipping the power pack with the necessary two filter chokes! 30 henry. 3 3/8 in. long, 2 in. wide, 2 1/8 in. high.

Cat. No. 1449

**Our Price \$1.95**



board mounting, on 1/2 in. thick washers, to clear the lugs.

Cat. No. 1446

**Our Price \$3.90**

For 4-224 (or 227), 1 or 2-227 (or 224), 1 or 2-245, 1-280. (Two 2 1/2 volt windings)

Cat. No. 1447

**Our Price \$4.85**

For 8-227 (or 224), 1 or 2-171A, 1-280

Cat. No. 1448

**Our Price \$4.85**

For 4 or 5-226, 1 or 2-227, 1 or 2-171A, 1-280

Cat. No. 1449

**Our Price \$4.00**

## SONORA A. C. Power Transformer

For Sonora 2RP, 3R, 4R A. C. Sets

Federal - Brandes B-15, B-16 A. C. Sets.

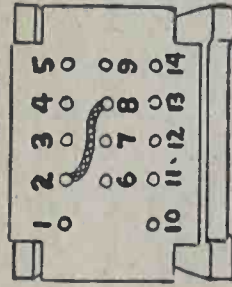
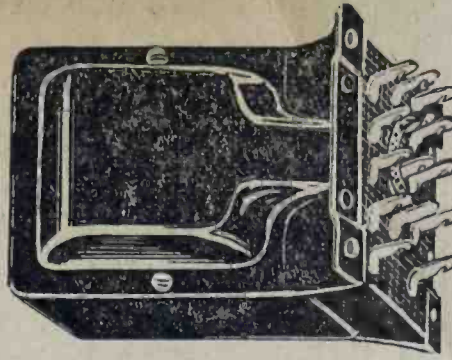
4 1/4 in. x 3 5/8 in. x 3 5/8 in.

Designed for 15 volt Arceturus tubes

Terminals are as follows: Nos. 1 and 10: Primary (requires ballast tube, inasmuch as primary is wound for 85 volt input); Nos. 2 and 3: 15 volts A. C. for 5 such tubes; Nos. 4 and 13: 2 1/2 volts for 1-227; No. 8: Center Tap for Nos. 4 and 13; Nos. 6 and 7: 15 volts A. C. for 15 volt power tubes; Nos. 11 and 12: 5 volts A. C. for 280; Nos. 5 and 14: High Voltage Secondary (400 volts on each side of C. T. secondary); No. 9: Center Tap for Nos. 5 and 14. Due to 800 volt A. C. secondary, this transformer may be used with 1-281 (half-wave rectifier) and 1-210 or 250, inserting series resistances in 15 volt secondaries. Excellent for Loftin-White 250 amplifiers.

Cat. No. 1308

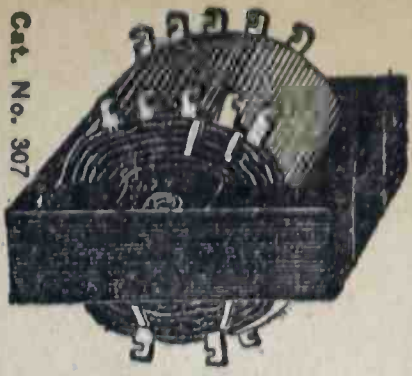
**Our Price \$2.75**



Radax 171 Compact, same as above, but furnishes filament and plate current for 4-226, 1 or 2-227, 2-171A and 1-280.  
 Cat. No. 132

**Our Price . . . . . \$12.90**

**Our Price . . . . . \$10.75**



**General A.C. Power Transformer**  
 For sets using screen grid tubes and employing 245 in push-pull! Can be used as replacement in all sets using any combination of 224, 245, 280 and 227 tubes.  
 Contains One 2½ Volt Filament Winding  
 For 110 volt, 60 cycle A.C.  
 Cat. No. 306  
**Our Price \$2.75**  
 Mounted in a Pitch-Filled Case, \$3.90

**AC. REPLACEMENT TRANSFORMER FOR Freshman Q-15, Q-16, 3 Q-15, 3 Q 16 Sets**

Supplies A.B.C. voltages for 1-222, 226, 227, 171A and 280 Tubes. For 110 volt, 60 cycle A.C.  
 Cat. No. 300.  
 Model Q..... **\$4.95**  
 For QD Series: QD-16S, etc.  
 Cat. No. 301.. **\$6.85**  
 For Model N Series. For 4-226, 1-227, 1-250, 1-281.  
 Cat. No. 254 ..... **\$7.90**



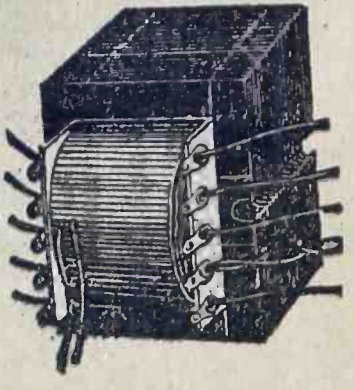
**Power Unit Choke**  
 Fully Shielded—Cap. 65 Mils. 30 Henry Rating. For many power pack applications.  
 Cat. No. 305  
**Our Price 95c**

one 2½ volt filament winding. 110 Volt, 60 cycle A.C.  
 Cat. No. 308  
**Net Price \$2.75**

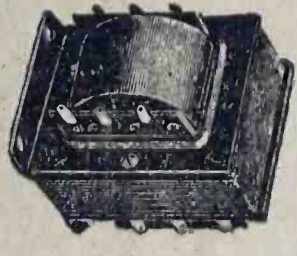
Mounted in a Pitch-Filled Case, \$3.75  
 Cat. No. 309

**Peerless Courier and Kylec-tion A.C. Power Transformer**

For Peerless Receivers, Kylec-tion and Courier Models. Has a 3½ Volt Filament Winding for 224, 227 and 245 tubes. Also, 3 Volt Winding for the 199 tube used with the Speaker. Delivers 340 Volts on each side of the Center-Tap and 5 Volts Filament Winding for 280 Rectifying tube.  
 Operates on 110-130 Volts, 60-60 Cycles A.C. current.  
 Cat. No. 407  
**Our Price \$2.50**



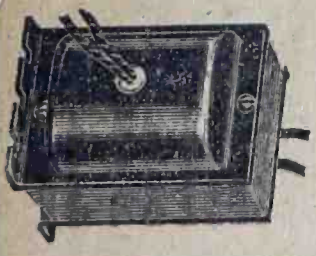
**250 Sparton 89A, 109, 110 and Ensemble Thordarson A.C. Power Transformer**



For 250 Power Tubes Has 3 Volt Windings, at 7½ amps. for Sparton Tubes. Also for 1 or 2-250, 2-281.  
 Cat. No. 297..... **\$6.90**  
 Cat. No. 298  
 Mounted in a Pitch-Filled Case, \$8.20

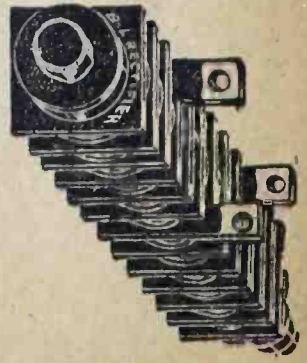
**Jefferson Step-Down Transformer**

Heavy Duty  
 Primary, 110-120 Volts, 50-60 Cycles AC current  
 Has Output of 14 Volts AC, at 2½ Amperes.  
 Ideal for A Eliminators, Dynamic Speakers, Trickle Chargers, Bell Ringing and Toy Transformers. 3½ in. x 2¾ in. x 3¼ in.  
 Cat. No. 394  
**Special 95c**



**Benwood-Lenz Rectifier Unit**

Ideal for Tobe and other A Eliminators; Sterling Dynamic Speaker, and most other Dynamic Speakers.



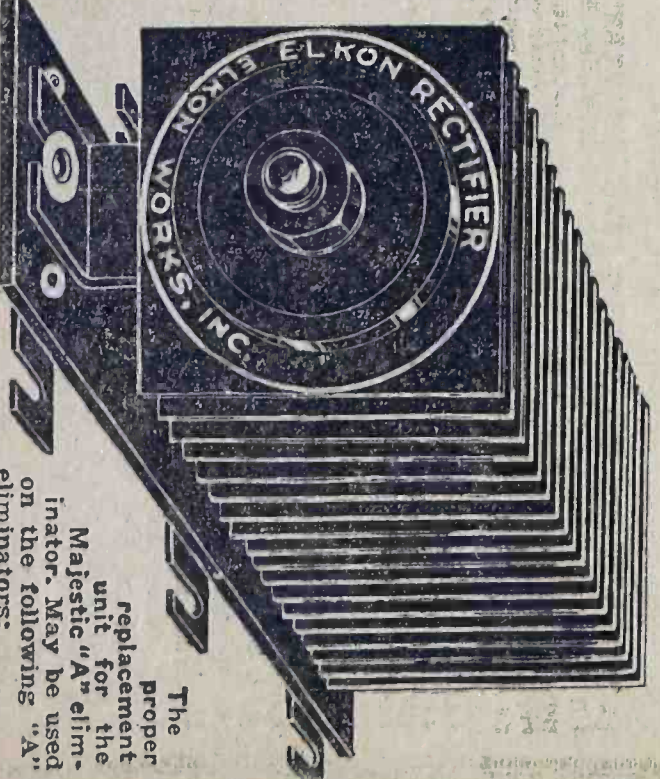
Cat. No. 247  
**Our Price \$2.25**

**Genuine Kupro Rectifier Unit**



Cat. No. 246  
**Our Special Price \$2.35**

**Famous M16 Elkon Replacement Rectifier**



The proper replacement unit for the Majestic "A" eliminator. May be used on the following "A" eliminators:  
 Majestic, Mayolian, Elkon, Philco, Webster, Knapp, Gen. Inst., Metro, Fada, Ber-hard, Sentinel, Elkon, and Briggs and Stratton.  
 Cat. No. 244  
**Our Price \$2.95**

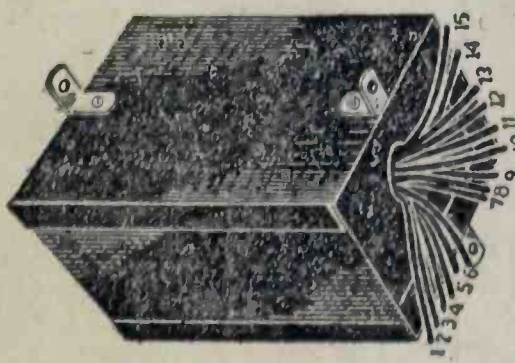
**Special \$2.75**

Cat. Nos. 1555, 1556, 1557, 1559, 1560, 1565. The following chokes are excellent for 210 and 250 power packs: Cat. Nos. 1558, 1561, 1562, 1563, 1564, 1566. Cat. No. 1558 is excellent for LOFTIN-WHITE 245 Amplifier, and the Cat. No. 1559 is suggested for the LOFTIN-WHITE 250 Amplifier. We can build any choke to your specifications.

If it is desired to change from D.C. Dynamic Speaker to an A.C. type, the D.C. Field may be conveniently closed by using any of the following chokes: Cat. Nos. 1573, 1574, 1575, 1577. These chokes are excellent for A.C. or D.C. line filter systems, and low power short-wave transmitters, and general filter reactors.

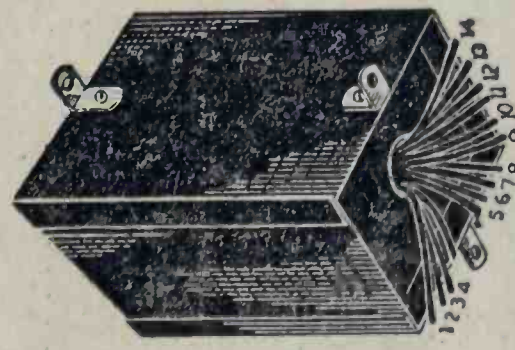
# Radax-Thordarson 250-245-171 General Utility "A-B-C" Transformers

The Transformers in these cases were manufactured by THORDARSON!



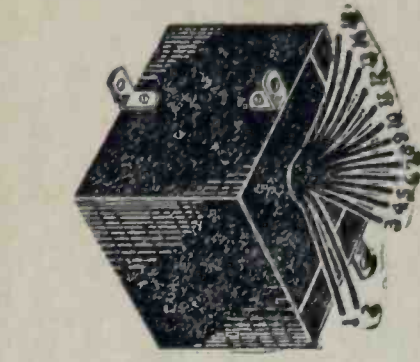
171 Models

This series of RADAX-THORDARSON "OVERSIZE" A.C. POWER TRANSFORMERS are not to be confused with the many transformers of surplus nature, now offered at very low prices. In many instances, set manufacturers of national reputation have rejected thousands of A.C. transformers, some of which may have been rejected for being so far below standard specifications as to make them unsuitable for satisfactory results over a specified period of time. The responsible Radio Dealer and Service Man, mindful of their customers goodwill, will cheerfully welcome this opportunity to purchase and install these RADAX-THORDARSON TRANSFORMERS, knowing full well that they are 100% guaranteed against any defects that may occur. Each transformer is an individual laboratory product, and



245 Models

is subject to eight vital tests, during each stage of assembly—the use of most elaborate testing equipment assures 100% perfection! These transformers are enclosed within heavy gauge metal containers, and are completely surrounded by a special heat dissipating compound, making it impervious to moisture and at the same time providing for operation at recommended temperatures. Note the unusually clever bracket mounting arrangement, allowing for sub-panel and base-board mountings—this unique feature permits the use of these superior transformers as replacements for standard A.C. receivers and power amplification devices! Long leads of vari-colored nature are provided, with a self-explanatory legend accompanying each transformer.



250 Models

is subject to eight vital tests, during each stage of assembly—the use of most elaborate testing equipment assures 100% perfection! These transformers are enclosed within heavy gauge metal containers, and are completely surrounded by a special heat dissipating compound, making it impervious to moisture and at the same time providing for operation at recommended temperatures. Note the unusually clever bracket mounting arrangement, allowing for sub-panel and base-board mountings—this unique feature permits the use of these superior transformers as replacements for standard A.C. receivers and power amplification devices! Long leads of vari-colored nature are provided, with a self-explanatory legend accompanying each transformer.

## 171 MODELS

Arrangement of terminals: Nos. 1, 2 and 3: Primary; Nos. 4 and 5: High Voltage A.C.; No. 6: Center Tap for same; Nos. 7 and 8: 5 Volts A.C. for 280; Nos. 9 and 10: 5 Volts A.C. for 1 or 2-171A; No. 11: Center Tap for same; Nos. 12 and 13: 2-1/2 Volts A.C. for 1 or 2-227; Nos. 14 and 15: 1-1/2 Volts A.C. for 5-226. Size: 4 1/4 in. long, 3 3/8 in. wide, 5 7-16 in. high.

- Cat. No. 1581. Our Price ..... \$4.95
  - Cat. No. 1582. For up to 7-2 1/2 volt tubes (227), 2-171A, 1-280 ..... \$5.45
  - Cat. No. 1583. For 5-226, 1 or 2-227, 1 or 2-171A, 1-280..... \$6.50
- Equipped With Two Separate 1 1/2 Volt A.C. Secondaries (one for 1st A.F. 226)

## 245 MODELS

TERMINAL ARRANGEMENT IS AS FOLLOWS:  
 No. 1: Common Primary; No. 2: 110 V. A.C.; No. 3: 120 V. A.C.; Nos. 4 and 5: High Voltage A.C.; No. 6: Center Tap for same; Nos. 7 and 8: 5 V. A.C. for 280; Nos. 9 and 10: 2 1/2 V. for 1 or 2-245; No. 11: Center Tap for same; Nos. 12 and 13: Heavy 2 1/2 V. A.C. for up to 6-2 1/2 volt tubes (227 and 224); No. 14: Center Tap for same. Size: 4 3/4 in. long, 3 1/4 in. wide, 5 7/8 in. high.

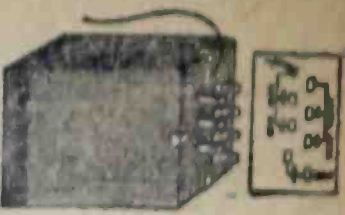
- Cat. No. 1578. Our Price ..... \$5.65
  - Cat. No. 1579. For 4 or 5-226, 1 or 2-227, 1 or 2-245, 1-280..... \$5.95
  - Cat. No. 1580. For up to 6-224 (or 227), 2-245, 1-280..... \$6.95
- With Three Separate 2 1/2 Volt Secondaries

## 250 MODELS

Arrangement of terminals: No. 1: Common of Primary; Nos. 2 and 3: 110 V. and 120 V. A.C. Primary Tap; Nos. 4 and 5: High Voltage A.C. (up to 1,300 volts!); No. 6: Center Tap for same; Nos. 7 and 8: 7 1/2 V. A.C. for 2-281; No. 9: Center Tap for same; Nos. 10 and 11: 7 1/2 V. A.C. for 1 or 2-250; No. 12: Center Tap for same; Nos. 13 and 14: 2 1/2 V. A.C. for 6-2 1/2 volt tubes (227 and 224); No. 15: Center Tap for same. Size: 5 5/8 in. long, 4 3/4 in. wide, 4 in. high.

- Cat. No. 1584. Our price ..... \$7.50
- Cat. No. 1585. For 6-226, 1 or 2-227, 1 or 2-250, 2-281..... \$8.45
- Cat. No. 1586.—Same as Cat. No. 1585, but furnished with two separate 1 1/2 Volt A.C. secondaries ..... \$9.75
- Cat. No. 1587. For 6-226, 1-227, 1 or 2-210, 1-281..... \$7.50

## "Surge-Proof" 10 Mfd. "245" Filter Condenser Block



We consider this block as one of the finest on the market, and an exceptional buy. In view of its versatility. Can be used as a replacement block for most any 245 POWER PACK. Tapped as follows: 25 mfd. (600 volts); 2 mfd. (600 volts); 25 mfd. (350 volts); 2 mfd. (350 volts); 1 mfd. (350 volts).

Cat. No. 1645.  
**Our Price . . . . . \$2.45**

## Tobe .1 Filter Condenser Sections

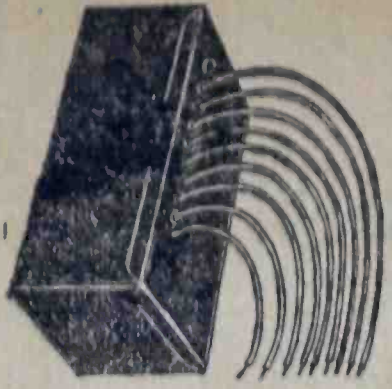
Note long leads. NON-INDUC-TIVELY WOUND! 450 VOLT RATING! Steeped in a special compound, making these units IMPERVIOUS TO MOISTURE! 1/2 inches long. 7-inch leads. Excellent for all BY-PASSING REQUIREMENTS.



Cat. No. 1646.  
**Our Price . . . . . 18c**  
*In dozen lots, \$1.95*  
*In lots of 50, \$7.50*

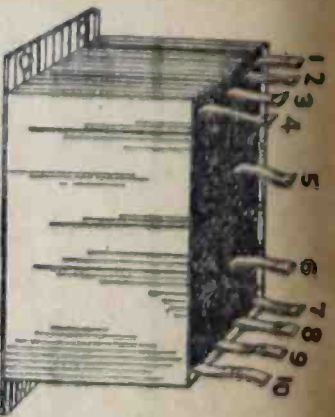
## .8 Mfd. By-Pass Block

Contains 8 Separate .1 Sections!



Excellent for general experimental purposes, as well as actual by-pass requirements in any battery or A. C. receiver. Separate .1 sections permit the "building up" of capacity, at will, wherever you may desire to do so. For instance, you can insert .3 mfd. as one by-pass value, then a 2 mfd., and 3—1 mfd., etc. 450 VOLT RATING. 4 1/2 in. long, 2 in. deep, 1 3/4 in. high.

Cat. No. 1647.  
**Our Price . . . . . 85c**



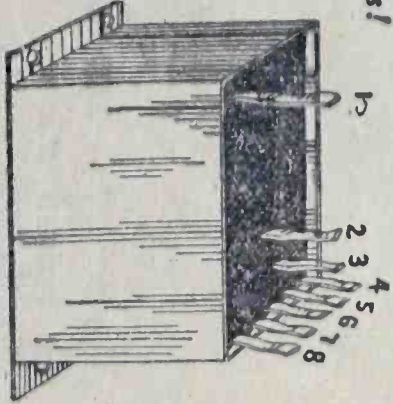
Plenty of capacity in this block! In great demand, and no wonder! PINNACLES QUALITY SECTIONS—THOROUGHLY IMPREG-NATED. Contains: 2—4 mfd.; 1—3 mfd.; 4—1 mfd. EACH CONDENSER SEPARATE GROUND. 4 5/8 in. long, 2 3/4 in. deep, 3 1/4 in. high.

Cat. No. 1656.  
**Our Price . . . . . \$1.75**  
*In lots of 3, \$4.25*

## 12 Mfd. Filter Condenser Block

1000 Volt Rating

Ideal for 250 Packs!  
 Very sturdily built—made impervious to atmospheric difficulties, due to careful impregnation of sections. Contains: 4—1 mfd.; 2—2 mfd.; 1—4 mfd. 4 5/8 in. long, 3 5/8 in. wide, 3 1/2 in. high.



Cat. No. 1657.  
**Our Price . . . . . \$2.75**  
*In lots of 3, \$7.25*

## Freshman 10 Mfd. Condenser Block

600 Volt Rating—For 171 and 245 Power Packs!

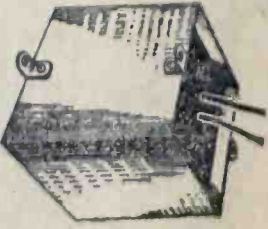


Contains: 2—4 mfd.; 1—2 mfd. Carefully impregnated in a pitch compound, assuring stability of performance and long life. 3 in. long, 2 1/4 in. wide, 4 1/4 in. high.

Cat. No. 1658.  
**Our Price . . . . . \$1.75**  
*In lots of 3, \$4.25*

## Transmitting Condensers

For High Tension Duty

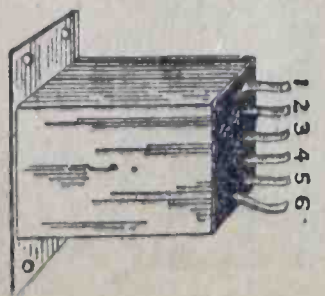


Manufactured by ENGINEERS—not just thrown together, mass production methods! The small demand for HIGH TENSION CONDENSERS ACTUALLY PLACES THEIR MANUFACTURE ON A CUSTOM BUILT ASSEMBLY BASIS! ALTHOUGH PRIMARILY DESIGNED FOR TRANSMITTERS, THESE FILTERS CAN ALSO BE USED FOR ANY HIGH POWER PUBLIC ADDRESS SYSTEM—SUPER-AMPLIFIERS, ETC. . . . .

1000 Volt		1500 Volt		2000 Volt	
Cat. No	Mfd.	Our Price	Cat. No	Mfd.	Our Price
1669	.5	\$1.00	1671	2	\$3.60
1670	1.	1.95	1672	4.	5.75
1673	.5	\$1.95	1675	2.	\$4.45
1674	1.	2.45	1676	4.	7.90
1677	.5	\$2.95	1679	2.	\$7.65
1678	1.	4.65	1680	4.	13.90

## Freshman 11 Mfd. 600 Volt Filter Condenser Block

One of the finest blocks on the market—very popular because of its size and appropriately rated capacities. Contains: 3—2 mfd.; 1—1 mfd.; 1—4 mfd. Ideal for any 171 or 245 POWER PACK! IMPREGNATED IN A SPECIAL MOISTURE PROOF COM-POUND! 3 3/8 in. long, 2 7/8 in. wide, 5 1/4 in. high.



Cat. No. 1659.  
**Our Price . . . . . \$1.95**  
*In lots of 3, \$5.25*

1-5 Mfd. (600 V.), 1-3 Mfd. (400 V.), 1-1 Mfd. (300 V.), 1-.35 Mfd. (400 V.).

**Our Price \$2.25**



Cat. No. 284

**Faradon 5.1 Mfd. Filter Condenser Block**

For Kolster and Brandes Sets  
Kolster Part No. 4849

D. C.	
Capacity	Working Voltage
2 mfd.	400 V.
1	400
1	400
1	400
.6	400
.5	160

For replacement in Kolster Receivers  
Cat. No. 286

4 1/4 in. long, 1 1/2 in. wide, 5 in. high  
**Special 90c**

**Elkon "A" Condensers**

TYPE B—1000 mfd.  
Cat. No. 283  
**Our Price 90c**

TYPE C—1500 mfd.  
Cat. No. 282  
**Our Price \$1.45**

Both types used in 6-volt "A" Eliminators and with Dynamic Speakers

**Dubilier 10 1/4 Mfd. 600 Volt Filter Condenser Block**

**Makes an ideal Replacement Block for any make 245 A.C. Set!**

One of the finest filter condenser blocks available—enjoys a wide sale, proving its superiority. Made of generous proportions—further proof of its REAL VALUE. Do not confuse this block with other "245" 600 volt ("so-called") types of much smaller size, and therefore less efficient! 4 3/8 in. long, 2 1/8 in. deep, 6 1/2 in. high. Attractively encased in a metal box. Arrangement of terminals is as follows: Nos. 1 and 2, 1/4 mfd.; No. 3, 4 mfd.; No. 4, 4 mfd.; No. 5, 2 mfd.; No. 6, common. All leads are fully 12 inches long!

Cat. No. 386

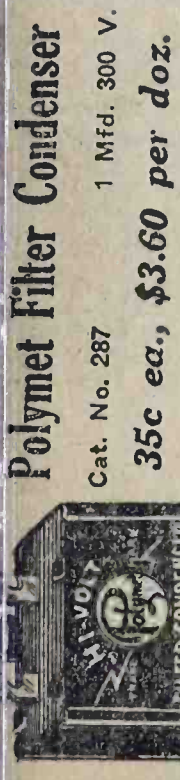
**Our Price \$3.00**

**Polymet Filter Condenser**

Cat. No. 287  
1 Mfd. 300 V.  
**35c ea., \$3.60 per doz.**

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Cat. No. 288  
3 Mfd. 300 V.  
**65c ea., \$6.50 per doz.**



**Freed-Eisemann**

NR. 80 Replacement Block in Metal Can  
An excellent replacement block for repairing most any "B" eliminator, etc. Contains Blue, 4 Mfd. (300 V.); Black, common; Yellow, 1 Mfd. (400 V.); Brown, 1 Mfd. (400 V.); Red, 1 Mfd. (250 V.); Green, .5 Mfd. (250 V.); Grey, .2 Mfd. (250 V.); Orange, 1 Mfd. (250 V.).

5 1/4 in. high, 3 1/2 in. long, 2 3/4 in. deep  
Cat. No. 281

**Our Price \$1.50**

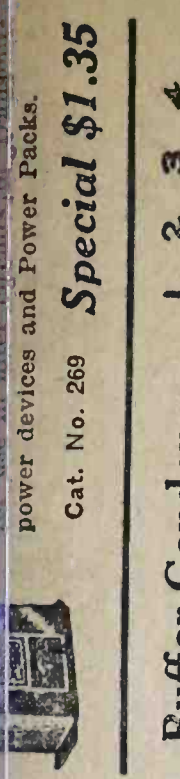
**Filter Block**

4 1/4 Mfd. 400 Volts D.C. Working Voltage.  
No. 1 is common; No. 2 is 2 Mfd.; No. 3 is 1 Mfd.; No. 4 is 1 Mfd.; No. 5 is 1/4 Mfd.; No. 6 is 1/4 Mfd. 3 3/4 in. long, 3 1/4 in. deep, 2 1/2 in. high.

Cat. No. 273

**SPECIAL 90c**

power devices and Power Packs.  
Cat. No. 269  
**Special \$1.35**



**Buffer Condenser**

Contains three .1 sections instead of two, making this a very useful item to have around the workshop! No. 1, 2 and 3 are the .1 sections—No. 4 is the common terminal.

1 1/2 in. x 1 1/2 in. x 7/8 in.  
Cat. No. 274

**Net Price 30c**

**Radax, Aerovox or Dubilier**

Replacement Condenser for Splitdorf Receivers  
**7 Mfd. High Voltage Filter Condenser Block**  
Finest non inductive High Voltage Filter Block. Made to be used with UX-250 Power Tubes but can be used safely in filter circuits of eliminators or high power Amplifiers in any combination of capacities desired.

2 Mfd., 1000 V.; 2-1 Mfd., 800 V.; 3 Mfd., 400 V.

**Special \$3.50**

**Polymet Condenser**

Type "A" .1 mfd. with long wire leads. Ideal for installation in all R. F. circuits. Quickly installed.  
400 Volt D. C.

Cat. No. 257

**Special 20c**

Lots of 12, \$1.80

Cat. No. 1316.  
25 mfd. ....

Lots of 12, \$3.00

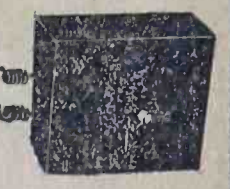
Cat. No. 1317.  
.5 mfd. ....

Lots of 12, \$4.00



**Tobe Electrolytic "A" Condenser**  
Ideal for replacement in all Tobe "A" eliminators and all other makes. Tobe "A" eliminators use three of these units—some other makes only two. Max. voltage 12 D.C. Polarity plainly marked. 4 1/4 in. long, 1 1/4 in. thick, 5 in. high.  
Cat. No. 354—

**OUR PRICE..... \$2.70**





Cat. No. 1588  
400 Volt  
30c each  
\$3.25 per dozen



Cat. No. 1589  
200 Volt  
25c each  
\$2.75 per dozen

### Kolster Output Choke

Used as Output with any Input Transformer. Universal application!  
Cat. No. 312  
**Net Price 95c**



### C. A. Earl Output Push-Pull Transformer

Used as Replacement in all Freed and Earl Receivers. Also adaptable to all other sets. For magnetic or dynamic speakers.



Cat. No. 316  
**Our Special \$1.35**

### R.C.A. By-Pass Condenser



R.C.A. part No. 5996. Contains 3 .1 and 1 .5, extremely useful. Note lugs. 450 volts D.C.  
Cat. No. 378

**Our Price 25c**  
Dozen, \$2.75

### R.C.A. Neutralizing Condenser



For Detector Trimming and R. F. Compensator. Used in Radiola 33, 18, 17.  
Cat. No. 379

**Net Price, 30c**  
Per Doz. \$3.25

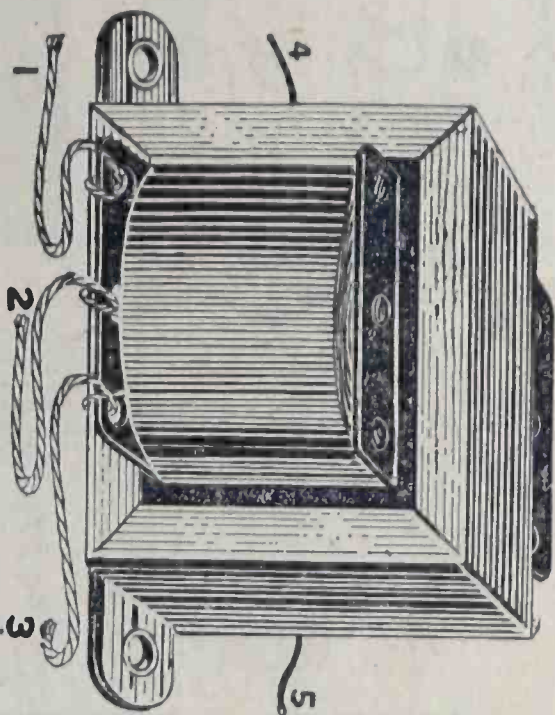
### T.C.A. Input Push-Pull Audio Transformer

Use with any output push-pull trans. Highest quality! Actually used in many high priced, first quality receivers—certainly, proof of their marked superiority. Overall dimensions: 3 3/8 in. long, 1 3/4 in. wide, 2 in. high.



Cat. No. 317  
**Special 90c**

### T.C.A. Output Push-Pull Transformer and Dynamic Speaker Voice Coil Matched-Impedance



### Matches Either Magnetic or DYNAMIC SPEAKERS!

Although primarily designed to be used with above INPUT TRANSFORMER, this unit can ACTUALLY BE USED WITH ANY MAKE, OR TYPE, INPUT PUSH-PULL TRANSFORMER. It can also be used as a PERFECT DYNAMIC SPEAKER VOICE COIL MATCHING INPUT TRANSFORMER. The terminals are as follows: No. 1 and No. 3 should be connected to both plates of the push-pull power tubes (171A, 245 or even 2501); No. 2 connects to the high voltage; Nos. 4 and 5 connect direct to the VOICE COIL of any dynamic speaker, either A.C. or D.C. types. If a magnetic speaker is to be used, Nos. 1 and 3 should be also connected to the speaker terminals. 3 3/8 in. long, 1 3/4 in. wide, 2 in. high.  
Cat. No. 318.  
**Our Price . . . . . \$1.45**

### Bakelite Moulded

Cat. No. 1590  
**10c**  
\$1.00 per dozen



### Replacement Dual Audio Transformer

Can be used in the Radiola 33, 18 and 17.  
Consists of a first and second stage Audio Transformer shielded in a common metal container. Can also be used with any A.C. or D.C. Radio Sets where two good audio stages of audio amplification are desired. Well designed. Its compactness permits installation either above or below the panel.



Cat. No. 380  
**Our Price \$1.95**

### Universal Audio Replacement Transformer

All Stage Ratio  
Cat. No. 399  
**Our Price 45c**  
\$4.80 dozen



### Acme MA2 Audio Transformer

Noted for Distortionless Reproduction!  
Cat. No. 299  
**Our Price \$1.50**



### Nationally Known Makes Audio Transformers

Values up to \$8.00-\$10.00. Brand new merchandise. Ideal for general replacement purposes, or for use in new sets.  
Shipped in Matched Pairs  
Astounding Value!  
Cat. No. 321  
**95c each**  
\$9.00 per dozen



Our Price **65c**



### SENIOR MODEL

Available in 3/2 to 1 and 5 to 1 ratios. Generous size iron core laminations. Big VALUE!

Cat. No. 1484

Our Price **75c**

### Zenith Audio Transformer

All stage ratio! Adapted by a leading set manufacturer, positive proof of their efficiency. Now available at a price within the reach of all! Note clever mounting bracket arrangement.

Cat. No. 1465

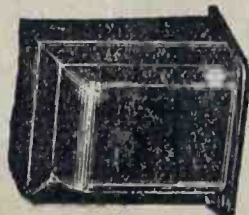
Our Price **95c**

### ZENITH SUB-BASE AUDIO TRANSFORMER

Note fully shielded construction! Terminals protrude from base, and thereby are led to points beneath the sub-panel. ALL STAGE RATIO! ZENITH SETS USED THIS TYPE AUDIO — AND THAT MEANS SOMETHING!

Cat. No. 1466

Our Price **95c**



### ZENITH INTER-STAGE AUDIO TRANSFORMER

Ideal for double push-pull Audio Stages, this unit being used in the FIRST SUCH PUSH-PULL CIRCUIT. Only one of these transformers are required at this point. Most exceptionally well built and designed.

Cat. No. 1467

Our Price **\$1.25**



to any DYNAMIC SPEAKER WITH A SELF-CONTAINED VOICE COIL MATCHING TRANSFORMER; No. 8: HIGH VOLTAGE "B" CURRENT; Nos. 9 and 10: TO VOICE COIL OF DYNAMIC SPEAKER. Both units are housed in an ATTRACTIVE DUCO FINISHED METAL CASE, 5 1/4 in. x 4 1/4 in. x 3 3/4 in. Shielded electrically and fully impregnated in a moisture proof compound. Convenient mounting brackets provided. For battery and A.C. sets.

Our Price **\$3.95**

Cat. No. 1470

### Radax Two-Stage Super-Audio Frequency Amplifier

Housed in an attractive ALUMINUM SHIELDING BOX, 13 in. long, 3 1/4 in. wide, 6 in. high, with removable cover. FULLY ASSEMBLED. Can be used in conjunction with an A.C. tuner and A-B-C power supply, or, with a battery type tuner. Requires either 2-201A, or 1-201A and 1-171A battery tubes; or, 1-228 and 1-171A, or 1-245 A.C. tubes. Will produce a tremendous amount of distortionless volume, and will operate excellently any dynamic or magnetic speaker!



All wiring of parts is beneath a bakelite sub-panel. Automatic rheostat controls, battery tubes. Speaker tip jacks. Self-biased 1st A.F. tube—separate lead for biasing grid of 2nd A.F. tube. Connections are made to amplifier by a coded cable, brought out from rear. Parts alone are worth considerably more than our price! Many experimenters build short wave receivers (tuners) right into this unit, above the sub-panel!

Cat. No. 1469

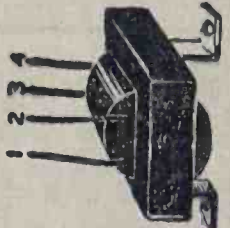
Completely Assembled **\$2.95**

### Radax Impregnated Audio Transformer

Ideal for damp climates, or wherever it is imperative that any Radio apparatus be impervious to atmospherics. Consists of a HIGHEST QUALITY A.F. TRANSFORMER, STEEPED IN A WATER-PROOF COMPOUND. Long leads and mounting brackets provided. All stage ratio. Very compact, yet delivers more than ample volume!

Cat. No. 1471

Our Price **\$1.75**



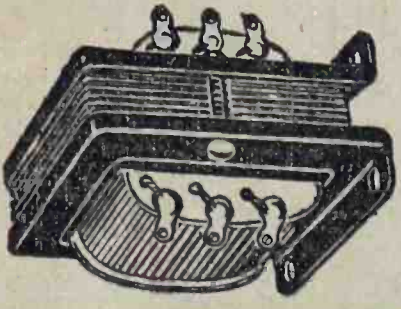
Our Price

### Thordarson Inter-Stage Push-Pull Audio Transformer

A Perfect interstage transformer, having a metallic core of such magnetic properties as to produce minimum wave shape distortion. Very low ratio (2 to 1) and sufficient inductance to maintain a constant amplification factor over the entire musical scale. Ideal for coupling '26 or '27 tubes to '50, '71, '10 and '45 tubes, 3 1/2 in. x 3 in. x 3 3/4 in.

Cat. No. 1540

Our Price **\$3.95**



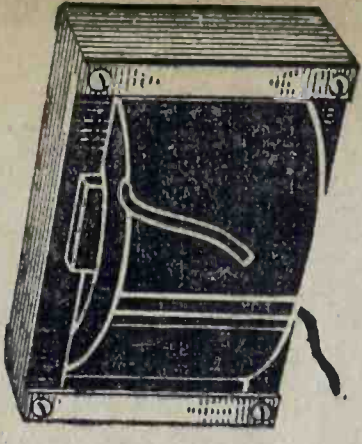
### General Electric Filter Chokes

There is no need to elaborate on the high quality of these chokes — its manufacturer's name covers the situation fully! Rated conservatively at 15 Henry, 65 mils. D. C. Resistance, 400 ohms. 2 1/4 in. long, 1 1/2 in. wide, 2 in. high.

Cat. No. 1541

Our Price **65c**

In Dozen Lots, **\$6.00**



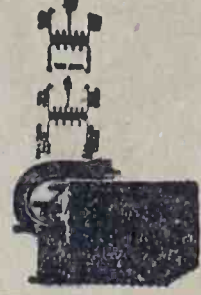
### R-C-A Push-Pull Input and Output Combination Unit for Radiolas

80-82 AND ALL MODERN RECEIVERS

R.C.A. Part No. 61151. The output unit provides for connections to a choice of either a MAGNETIC or DYNAMIC SPEAKER! In the latter instance, connection can be made either direct to the voice coil in the dynamic (if the speaker has NO such voice coil matching transformer) or to the INPUT terminals of the OUTPUT TRANSFORMER itself in the dynamic!

Cat. No. 1542

Our Price **\$1.25**



Cat. No.	Ohms.	Our Price.
672	22	.25c
673	31	.25c
674	130	.25c
675	400	.25c
676	500	.25c
677	920	.30c
678	1,000	.30c
679	1,500	.30c
680	10,000	.40c
681	15,000	.40c
682	16,000	.40c

**50 Pairs of Resistors**

**METALIZED RESISTORS:**  
 220; 400; 2,500; 3,000; 5,000; 10,000;  
 12,000; 25,000; 30,000; 40,000; 50,000;  
 60,000; 100,000; 250,000; 1 meg.;  
 1 1/2 meg.; 7 meg.; 10 meg.; ohms.

And One Each 2 Watts:  
 2,000; 3,500; 4,700; 10,000; 3 meg. ohms.

Cat. No. 1532 **\$3.25**  
 Per Box of 24

Cat. No. 1533. **\$6.25**  
 Kit of 50 Assorted Metalized Resistors.....



**Ohmite Resistance Units**

**35 Watt Rating**

Cat. No.	Resistance Ohms	Maximum Current in Milliamps	Our Price
739	250	315	35c
740	600	220	35c
741	750	180	35c
742	800	177	35c
743	1,000	155	35c
744	1,500	125	35c
745	2,000	110	35c
746	2,500	100	35c
747	3,000	90	35c
748	3,500	84	35c
749	4,000	78	35c
750	5,000	70	35c
751	6,000	64	35c
752	7,500	57	35c
753	10,000	46	35c
754	12,000	41	35c
755	15,000	34	35c
756	20,000	26	35c
757	25,000	23	35c
758	30,000	21	35c
759	35,000	16	35c
760	40,000	15	35c
761	45,000	14	35c
762	50,000	13	35c
763	60,000	9	35c
764	70,000	8	35c
765	80,000	8	35c
766	90,000	7	35c
767	100,000	7	35c

**35c**  
Each

**45c**  
Each

**55c**  
Each

**80c**  
Each

**95c**  
Each

**\$1.25**  
Each

**60 Watt Rating**

Cat. No.	Resistance Ohms	Maximum Current in Milliamps	Our Price
768	250	438	\$0.28
769	500	310	.28
770	750	253	.28
771	800	237	.28
772	1,000	210	.28
773	1,500	170	.28
774	2,000	150	.28
775	2,500	133	.28
776	3,000	120	.28
777	4,000	105	.28
778	5,000	95	.28
779	7,500	77	.28
780	8,000	75	.28
781	10,000	67	.28

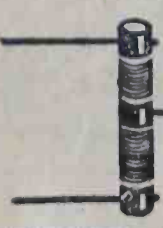
**TAPPED RESISTORS**



Cat. No.	Total Ohms.	Tapped at	Our Price.
693	250	35,215	.50c
694	1,500	500-1,000	.65c
695	5,800	3,000-200-600-2,000	.75c
696	7,200	1,000-6,200	.75c
697	25,000	10,000-15,000	.75c

**Center Tapped Resistors**

Eliminates Hum in A.C. Circuits



Cat. No.	Resistance Ohms	Cat. No.	Resistance Ohms	Your Choice
632	6	637	25	15c each
633	8	638	30	15c each
634	10	639	40	15c each
635	15	641	60	15c each
636	20	642	64	15c each

**Our Price 35c**  
\$3.60 per dozen

**Kolster Wire Wound Resistances**



For KOLSTER SET No. K-24 (Part No. 3938). Total: 7,835 ohms, tapped at 3,400; 3,800; 55, 80, 40, 360 ohms.

Cat. No. 1457  
**Our Price 75c**

KOLSTER part No. 4919. Total: 5,700 ohms, tapped at 500; 2,100; 3,100 ohms.  
 Cat. No. 1458  
**Our Price 35c**  
 \$3.60 per dozen



**Ohmite Resistor Banks**

For Thordarson, Amer Tran, Loftin-White and All Standard Power Packs.  
 Cat. No. 347. For 171 Packs (13,000 ohms)..... **95c**  
 Cat. No. 348. For 245 Packs (13,000 ohms)..... **\$1.35**  
 Cat. No. 349. For 250 Packs (41,000 ohms)..... **\$3.55**

**Resistor Bank for 245 Loftin-White Amplifier**

Made by Electrad and now accepted as standard. Tapped in accordance with modern specification. In between the tapped sections there is an opening for a 300 ohm hum-bucker.  
 Cat. No. 699  
**Our Price \$1.50**

**Amertran Voltage Divider**



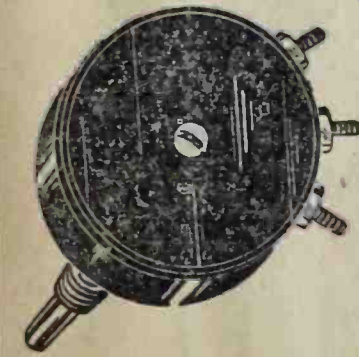
For 250 Power Amplifiers

Total: 41,000 ohms, tapped at 6,000, 2,700, 2,000, 3,300, 8,000, 5,000, 7,000, 8,000 ohms. Note handy mounting bracket.

Cat. No. 631  
**Our Price \$3.75**



\$3.60 per dozen



**Frost Volume Controls**  
Uses Roller Contact Principle  
Cat. No. 804. 50,000 **25c**  
ohms. Our price.....  
Cat. No. 805. 100,000 **25c**  
ohms. Our price.....  
**\$2.40 per dozen**

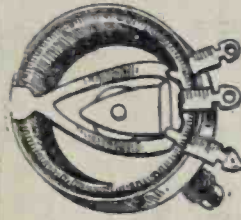
Cat. No. 200,000 ohms  
805 250,000 " "  
808 500,000 " "  
**25c Each**  
**\$2.40 per dozen**

**Variable Hum Control**

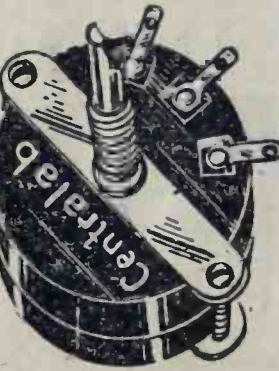
Total resistance 20 ohms. Permits perfect center tap adjustment, or any variation thereof, for complete elimination of any objectionable A.C. hum.

Cat. No. 337

**Our Price 35c**



**CRL Twin Potentiometer**



10,000 and 250,000 Ohms

One of the finest volume controls on the market—has many interesting and valuable applications. Very smooth running and noiseless. When connected in antennae and screen grid circuits, incoming signals are reduced proportionately with the amplification constant of the R. F. amplifier, thereby eliminating detection in R. F. amplifier and consequent distortion. May also be used for volume control with phonograph pickup. When both resistances are connected in parallel a constant impedance volume control is formed, which is ideal for volume control work in public address and other amplifying systems.

Cat. No. 338

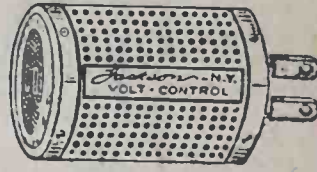
**Our Price 29c** Each \$3.00 per dozen

**Automatic Air-Cooled Voltage Control**

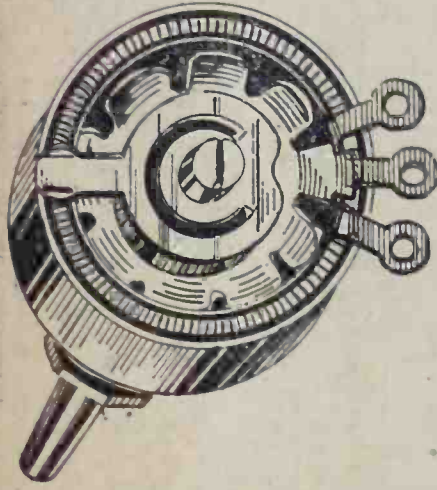
Air-cooled—Note ventilating screen. Designed for all types of A.C. radio sets. Prevents primary voltage from exceeding 110, as required for safe operation.

Cat. No. 359

**Our Price 50c**  
**\$5.75 per dozen**



Offers many valuable uses to any set builder, repair man and experimenter! Ideal as a hum control for 227 and 226 tubes. An excellent rheostat or potentiometer, center tap resistance, adjustable resistance, "C" bias, etc., etc. One hole mount, 1 1/2 in. diameter by 1/2 in. thick.



Cat. No. 408

**Our Price 30c**

In lots of 12, \$3.00

**Skinderviken "Mike" Button**

Smallest microphone made, measuring only 1/4 in. in diameter.

By means of this microphone button a great many experiments can be made. It can be used as a detector (dictaphone) to listen-in secretly on conversations, etc., and to amplify phonograph music at a distance. Very good sensitivity. We furnish directions to make some twenty-five different experiments.

Cat. No. 810.

**Make Your Own Home-Recording Outfit With This Button!**



With a SKINDERVIKEN button you can make a powerful HAND-MICROPHONE—one of the essential parts in any home-recording outfit. The HAND-MICROPHONE will faithfully pick up your voice and translate it into electrical current variations. These variations may be amplified—simply by connecting the HAND-MICROPHONE, through a plug-in adapter to the detector or first audio circuit of a radio set. The amplified currents will powerfully vibrate the recording needle in a phonograph pickup connected to the "loud speaker" binding posts of the set, and thus may be made to register on any pre-grooved phonograph record.

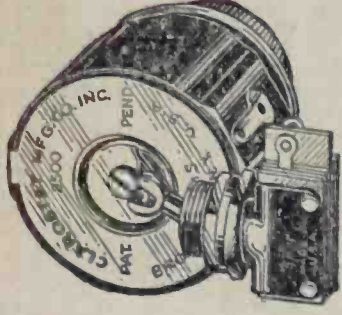
Cat. No. 810

**Our Price 70c**

**Clarostat Wire Wound Volume Controls**

Available with or without 110 volt Switch.

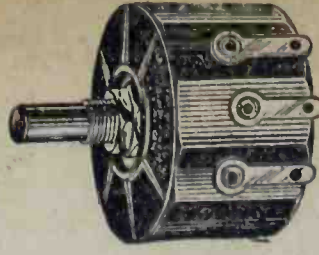
Potentiometer type — bakelite cased, metal end plate. One hole mount. Can be utilized for many valuable purposes in every receiver.



Cat. No.	Ohms	Potentiometer	Tap-er	OUR PRICE
1326	100	.75	.90	1.05
1327	200	.75	.90	1.05
1328	300	.75	.90	1.05
1329	400	.75	.90	1.20
1330	500	.75	.90	1.05
1331	1,000	.75	.90	1.20
1332	2,000	.75	.90	1.20
1333	3,000	.75	.90	1.20

**NOTE**

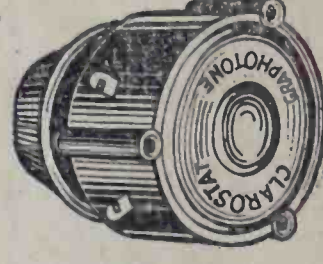
Add 30c for 110volt A. C. switch, as illustrated. Knob included, 5c extra for insulating washers for metal panels. Add T. P. to catalog number to indicate you are ordering a tapered potentiometer—P. for plain potentiometer. Add S. to our Cat. No. to indicate potentiometer with switch. Add T. S. to our Cat. No. to indicate tapered potentiometer with switch.



**Clarostat Panel Mount Tone Control**

Shunts across secondary of A. F. Transformer

For those who desire to have Tone Control built right into the radio assembly, the Clarostat Graphotone is made. Same electrical characteristics, same quality as the portable device. One hole mounting. Handy soldering lugs. Just run two wires to secondary of last audio transformer. The handiest and most simply installed panel mounting Tone Control.



Cat. No. 565

**Our Price**

**\$1.08**

# Readrite No. 9 Radio Test Kit

TESTS ALL TYPES OF TUBES

Contains 9 meters fitted in tin jackets 0-50, 0-500, 0-8 D.C., 0-100, 0-150 A.C. Voltmeters and 0-10, 0-100, 0-1000 Milliammeters. In short leatherette covered case nickel trimmed with leather handle, size 7x10x4 in. High. Has 4 meter tube test cord, plug and adapter. Also a five-foot power cord, grid switch, four and five-prong Bakelite panel. Will make every usual test of tubes and circuits. Locates faults quickly without switches or other cord connections. A complete and flexible outfit every service man or experimenter will want to own.



Our Price **\$19.75**

Cat. No. 1439

# Readrite High Resist. Meters



The A.C. Voltmeters are of the repulsion type and can be used with equal accuracy for either A.C. or D.C. testing. Accurately calibrated and have very uniform divisions throughout the scale lengths. The higher reading voltmeters contain over 100 ohms per volt resistance. The D.C. Voltmeters are of the polarized vane type.

## D.C. VOLTMETERS

Cat. No. 439-346  
With 3 in. Case

Our Price **\$2.36**

No. 439—For testing B-  
Eliminators 0-300 volts.  
List, \$4.00.

Our Price **\$2.94**

Cat. No. 440-347 — For  
testing B- Eliminators  
0-500 volts. List, \$5.00.  
Our Price **\$2.94**

Our Price **\$1.77**

With 2 1/2 in. Base  
Cat. No. 441-46 — 0-300  
volts. List \$1.00.  
Our Price **\$1.77**

## 2 1/2-in. BASE

Cat. No. 442-246—0-60-300  
volts. List, \$4.00.  
Our Price **\$2.36**

## A.C.-D.C. VOLTMETERS

Cat. No. 443-348—For test-  
ing A.C. Current Supply  
Line 0-150 volts. List, \$4.00.  
Our Price **\$2.36**

Cat. No. 444-349 — 0-600  
volts A.C.-D.C. List, \$6.00.  
Our Price **\$3.53**

Cat. No. 445-248—0-150-150  
A.C.-D.C. List, \$3.00.  
Our Price **\$4.71**

Our Price **\$2.94**



## A.C. AMMETERS

Cat. No. 131—300-0-10  
Ma. List, \$1.00  
Cat. No. 132—300-0-5  
Ma. List, \$1.00  
Cat. No. 133—100-0-1  
Ma. List, \$1.00  
Cat. No. 134—300-0-3  
Ma. List, \$1.00  
Cat. No. 135—100-0-1  
Ma. List, \$1.00  
Cat. No. 136—100-0-1  
Ma. List, \$1.00  
Cat. No. 137—200-0-20  
Ma. List, \$1.00

## D.C. MILLIAMMETERS

Cat. No. 138—300-0-25  
Ma. List, \$1.00  
Cat. No. 139—300-0-50  
Ma. List, \$1.00  
Cat. No. 140—300-0-100  
Ma. List, \$1.00  
Cat. No. 141—300-0-100  
Ma. List, \$1.00  
Cat. No. 142—300-0-100  
Ma. List, \$1.00

## A.C.-D.C. VOLTMETERS

Cat. No. 143—300-0-30. List \$1.75  
Your Price **\$1.02**

Cat. No. 144—300-0-30. List \$1.75  
Your Price **\$1.02**

Cat. No. 145—310-0-4 volts  
List, \$1.47  
Cat. No. 146—350-0-6  
Ma. List, \$1.47  
Cat. No. 147—350-0-10  
Ma. List, \$1.47  
Cat. No. 148—350-0-15  
Ma. List, \$1.47  
Cat. No. 149—350-0-150  
Ma. List, \$2.36  
Your Price **\$2.36**

## Mount Meters

Require 3 5/16 in. hole in panel. Highly nickelled. Silvered dial. Guaranteed accurate.

## A.C. VOLTMETERS

Cat. No. 170—50-0-100  
Ma. List, \$3.53  
Your Price **\$3.53**

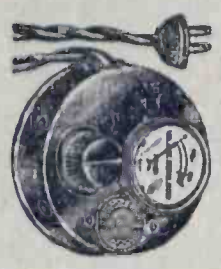
Cat. No. 171—300-0-10-100. List \$4.00.  
Your Price **\$2.36**

## D.C. VOLTMETERS

Cat. No. 172—300-0-6  
Ma. List, \$1.80  
Cat. No. 173—300-0-8  
Ma. List, \$1.80  
Cat. No. 174—310-0-10  
Ma. List, \$1.80  
Cat. No. 175—310-0-15  
Ma. List, \$1.80  
Cat. No. 176—350-0-3-0-3  
Ma. List, \$1.80  
Cat. No. 177—350-0-50  
Ma. List, \$2.36  
Your Price **\$2.36**

# Readrite A.C. Line Voltage Regulator

The power rheostat gives a working range between 130 and 100 volts. Complete with five-foot cord, plug and tap for connecting to receiver.

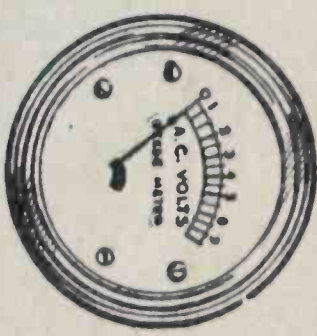


Cat. No. 1440  
Our Price **\$3.82**

# Beede A. C. Panel Meters

Our Price **\$2.06**

Cat. No. 1438

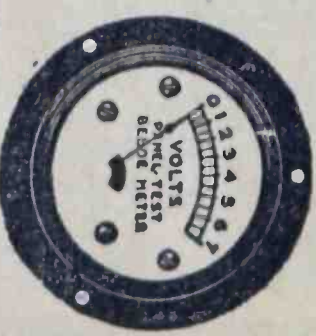


Constructed on the solenoid principle which means long and accurate life. The scales are evenly graduated so that readings may be accurately made at any point on the scale. They are attractive in appearance and moderate in price, made with narrow flange as illustrated, fastened from the back, or with wide flange supported with screws in flange. Overall dimensions narrow flange 2 1/4 in. Wide flange 2 1/2 in. Finish—Nickel, with silvered dial.

Cat. No.	Range	List Price	Our Price
600	0-3 volts	\$1.75	\$1.02
601	0-5 volts	1.75	1.02
602	0-7 1/2 "	1.75	1.02
603	0-150 "	3.00	1.77

# Beede D. C. Panel Meters

For Panel Mounting. Made with narrow flange as illustrated, and fastened from the back, or with wide flange (as illustrated) supported with screws in flange. Diameter of hole in panel 2 1-32 in. Overall dimensions: narrow flange 2 1/4 in.; overall dimensions: wide flange 2 1/2 in. Finish—Nickel, with silvered dial.



Cat. No.	Range	List Price	Our Price
604	0-4 volts	\$1.50	\$0.88
605	0-7 volts	1.50	.88
606	0-150 volts	3.00	1.77
607	0-300 volts	3.00	1.77

Cat. No.	Range	List Price	Our Price
608	0-10 millamps.	\$1.50	.88C
609	0-30 millamps.	1.50	.88C
610	0-75 millamps.	1.50	.88C
611	0-100 millamps.	1.50	.88C

Cat. No.	Range	List Price	Our Price
612	0-3 amps.	\$1.50	.88C
613	0-5 amps.	1.50	.88C
614	0-10 amps.	1.50	.88C



## Flechtheim High Resist. Meters

Cat. No. 1191—0 to 300 V.  
D.C. (200 ohms per volt)..... **\$2.50**

Cat. No. 1193— **\$3.75**  
0 to 500 V. D.C.

Cat. No. 216—0 to 600 V. A.C., D.C. **\$5.75**

Our Price ..... **\$4.50 per dozen** **45c**

**H and H Rotary Snap Switch**

3 Amp, 225 Volts, with 15 inch Pig tails

Cat. No. 1598. **25c**

Our Price, each..... **\$2.75 per dozen**



**H and H Long Shank Toggle Switch**

Length of threaded neck, 1/4 inch. Excellent for insertion in thicker than usual panels, wood panels, etc.; 3 Amp, 225 Volts.

Cat. No. 1599. **25c**

Our Price, each..... **\$2.40 per dozen**



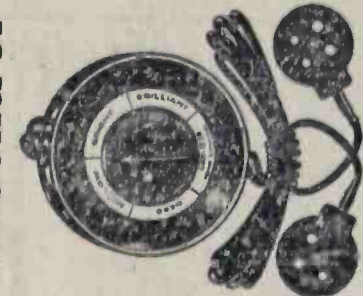
**The Gen-Win Tone Control**

*The Fastest Selling Radio Item of the Day!*

**We Are Selling Them in the Thousands**

**EVERY DEALER SHOULD STRONGLY FEATURE THE RADAX**

Cat. No. 1729



The musical tastes of the nation's radio listeners are much varied—some prefer the lowest bass notes to predominate, others favor the higher or treble notes. Between both extremes there are the eighty odd some notes comprising the entire musical register. Here is an astounding statement: With the Radax Tone Control you can actually emphasize any group of notes in that register, to suit your own fancy or tastes! At the slightest twirl of a finger you place emphasis on the high, medium or low notes! Nothing to get out of order! Adaptable to all sets, both battery and A.C. types! Takes a few seconds to install—special adapters are slipped on to power tube prongs—that is all there is to it!

**Our Price \$1.50**

Cat. No. 1728 Panel Mount Model

Cat. No. 1729. For external mounting

**Our Price \$2.05**

List \$3.75

Cat. No. 1601. **25c**

25 ft. coil.....

Cat. No. 1602.—100 ft. Roll.....\$0.50

Cat. No. 1603.—500 ft. Roll..... 2.00

Cat. No. 1604.—1,000 ft. Roll..... 3.75



**I. C. A. Test Leads**

Cat. No. 1610

Cat. No. 1611



A necessity for the radio service man and radio dealer. They are unsurpassed for testing sets and tracing trouble in sets where shorts, opens and other defects common to radio sets are encountered. Can quickly be attached to any meter for testing batteries or any electrical apparatus. Made of sturdy insulated tubing, solderless plugs and the best grade of wire. Supplied with red and black tubing for positive and negative identification. Made in two types: One type using tips and the other type using spades. 50 inches long.

Cat. No. 1610. **45c**

Pair of tip type leads.....

Cat. No. 1611. **45c**

Pair of spade type leads.....

**Neutralizing, Compensating, Equalizing Condenser**

May be used in series with antennae to sharpen tuning and reduce interference from powerful local stations. It may also be used across each section of a gang condenser to compensate for any capacity deviation throughout the tuning range. It's high quality mica dielectric and bakelite base enables it to be used for compensating tuned plate circuits, or for general neutralization purposes.

1 1/2 in. long, 1/8 in. wide.

Cat. No. 1612. **20c**

35 MMFD. .... **12 for \$2.25**



Cat. No. 1613. **50c**

70 MMFD. .... **12 for \$5.00**

1632 ..... **\$1.75**

**Single Gang Variable Condensers**

Cat. No. 1633. 11 plate, .00025..... \$1.35

Cat. No. 1634. 17 plate, .00035..... 1.45

Cat. No. 1635. 23 plate, .0005 ..... 1.55

**Extension Cord Connectors**

For speaker and phone cord extensions. Bakelite moulded.

Cat. No. 1408

**OUR PRICE 9c each**

In lots of 24, \$1.25



**Electric Soldering Irons**

Famed for rapid heating and long life qualities. SOLID COPPER TIP, 50 watts. 10 in. long.

Cat. No. 1625. **\$1.50**

Cat. No. 1624. **70c**

Our Price .....



**Kester Rosin Core Solder**

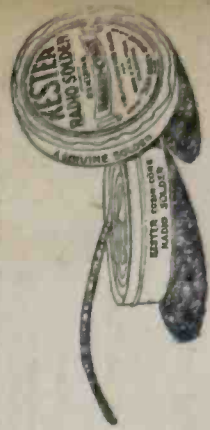
Generous portion. MAKES LOW LOSS JOINTS — SPEEDS ALL WORK.

Cat. No. 1626. **15c**

OUR PRICE .....

Cat. No. 1627. **65c**

1 LB. CAN.....



**Spring Clip Connectors**

Cat. No. 1628. **25c**

Per Dozen .....

Per 100, \$1.75



Cat. No. 1629. DOUBLE CONNECTOR. **40c**

Per Dozen .....

Per lot of 50, \$1.50

1-280 tubes ..... **\$8.25**

**Cat. No. 1271. Fully wired. \$10.00**

**Cat. No. 1211—245 "B" POWER SUPPLY.** Output 250 v. and +45, +57, +90, +135 and +180 volt terminals. Also furnishes 3 amps, 2½ volts A.C. for lighting TWO 245 tubes. Proper "C" bias for these tubes also provided. Requires 1-280 rectifier tube ..... **\$8.45**

**Cat. No. 1272. Fully wired. \$10.45**

**Cat. No. 1212—Same as No. 1211, but also furnishes A.C. filament current for 6-224 or 227 tubes, 2-245 tubes, 1-280 tube. MAKES AN IDEAL ENTIRE A.C. POWER PACK REPLACEMENT UNIT ..... \$10.45**

**Cat. No. 1273 Fully wired. \$12.75**

**Cat. No. 1274—Same as No. 1211, but also furnishes A.C. filament current for 5-226, 1 or 2-227, 2-245, 1-280 tubes. This is the ideal unit to use for converting battery receivers. No sockets or coils to replace ..... \$10.45**

**Cat. No. 1275. Fully Wired. \$12.75**

**Cat. No. 1213—250 "B" POWER SUPPLY.** Output 450 volts and +45, +67, +90, +135 and +180 volts. Also furnishes 7½ volts A.C. for ONE 250 TUBE, with suitable "C" bias, and one 281 **\$13.95**

**Cat. No. 1276. Fully wired. \$16.25**

**Cat. No. 1214—Same as No. 1213, but also furnishes A.C. filament current for 5-226, 2-227, 2-250, 2-281 tubes. IDEAL FOR CONVERTING BAT. TERY SETS ..... \$16.95**

**Cat. No. 1277. Fully wired. \$19.95**

**Cat. No. 1215—Same as No. 1213, but also furnishes A.C. filament current for 7-224 or 227, 2-250, 2-281 tubes. IDEAL FOR CONVERTING BAT. TERY SETS ..... \$18.95**

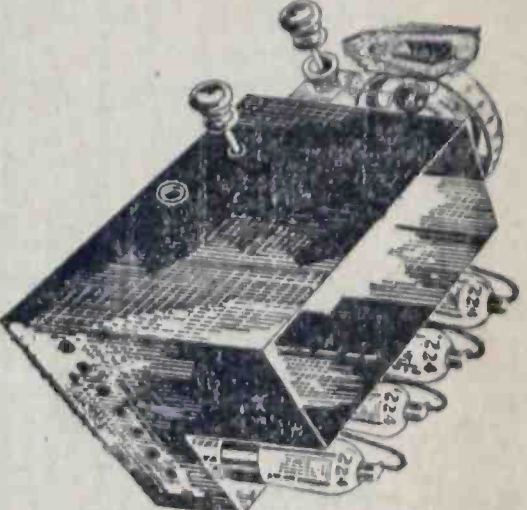
**Cat. No. 1278. Fully wired. \$21.95**

**NOTE**  
Mention resistance value of dynamic speaker field coil. If your set uses a 110 volt D.C. model! All of the above Power Packs contain ONE FILTER CHOKE, your 110 volt D.C. Dynamic Speaker Field Coil comprising the other choke required. If you intend to use either a magnetic or A.C. Dynamic Speaker, then TWO CHOKES MUST BE FURNISHED WITH ANY OF THE ABOVE POWER PACKS. In that event, add \$1.50 TO NET PRICES QUOTED.

**Completely wired ..... \$20.50**

**NOTE: No Tubes are included with above set prices. Add \$1.50 additional to any net price shown if amplifier is to be operated with an A. C. dynamic or magnetic speaker.**

**3 or 4 Screen Grid A.C. Tuner**  
Semi-Assembled or Wired



This unit can be placed alongside of Radax Amplifier Cat. No. 435, listed above, and such a combination becomes a modern, ultra powerful and sensitive 8-tube A. C. Receiver, giving "big set" performance.

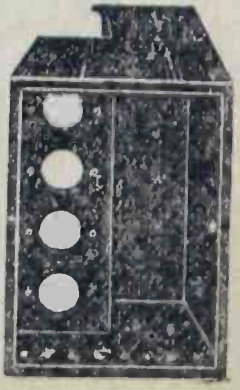
The most compact A.C. tuner available—only 9 in. long, 6½ in. deep, 6 in. high—yet offers the same satisfactory results as very much larger types. Sturdily built chassis, handsome DUCO finish—free running illuminated drum dial, with handsome escutcheon plate. All wiring is made BENEATH metal chassis—inductance coils properly shielded; tube shields not included, but available if required. Requires external A.C. filament (2½ volts) and plate supply (180 volts). Employs linear power detection, which provides for MAXIMUM VOLUME on the weakest of detected signals. Tremendous R. F. gain and amazing sensitivity make this tuner remarkably well suited for long distance reception. Offers SELECTIVITY enough to warrant ability to receive distance, right through locals, in a good many instances. It will pay everybody who owns a less efficient tuner to build this tuner, and derive 100% SATISFACTION; can be easily adapted to any amplifier. NOTE THAT WHEN THIS TUNER IS COUPLED TO A RADAX 245 PUSH-PULL POWER AMPLIFIER (Cat. No. 435), described on this page, A MODERN, MARVELOUSLY EFFICIENT 8 TUBE A.C. RECEIVER IS PRODUCED! Due to utter simplicity of construction and assembly, as well as detailed instructions furnished, it is possible to wire this tuner in surprisingly little time—any young boy could easily tackle the job with every success.

**Cat. No. 617—Complete set of parts. Requires 4-224 Screen Grid Tubes (not included) ..... \$12.75**  
**Cat. No. 618—Fully wired ..... \$15.00**  
**Cat. No. 628—Same as Cat. No. 617, but requires 3-224, 1-227 ..... \$12.75**  
**Cat. No. 629—Fully wired ..... \$15.00**

**Cat. No. 1204. Our Price ..... \$24.50**

**Cat. No. 1207—250 MODEL. Requires 1-224, 1-250, 1-281. FOR SUPER-POWER AMPLIFICATION REQUIREMENTS ..... \$24.50**  
With Self-Contained ABC Current Supply. (\$29.50 Fully Assembled)

**Four Socket Power Amplifier, Tuner, Power Pack, Loftin-White Amplifier or Midget Receivers**  
Metal Chassis for

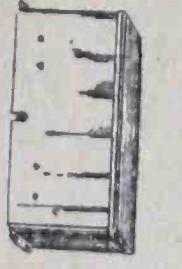


Under side view of chassis, showing well for mounting various radio parts.

There has been such a huge demand for an EMPTY CHASSIS, as used with the various items listed on this page that we have now decided to sell this chassis separately. The various illustrations on this page will suggest only SOME of its many interesting applications. Handsomely finished in BLACK DUCO, 9 in. long, 6½ in. deep, 6 in. high. The tube shelf is 2 in. high, and the compartment behind and above that tube shelf projects 4½ in. above the tube shelf, and in 3½ in. deep. (The total height of the compartment is 6 in.) Along the front holes are provided for TWO pair of TWIN JACKS, and a LARGE HOLE (1½ in. diameter) for a hum-bucker, switch, jack, etc., etc. Along the left side, 1 in. from the bottom, there are eight ¼-in. holes, for as many terminals. A 5/8 in. hole is provided in the rear for an A.C. line. Standard wafer sockets (listed in this catalog) fit the four holes provided for same. Many set builders are actually building midget receivers around this most unique chassis arrangement.

**Cat. No. 340**  
**Our Price \$3.50**  
**In Lots of 6, \$2.75 each**

**Aluminum General Utility Case With Removable Cover**



Just ideal for the set builder or experimenter who builds his own set and tube testers, power packs, SHORT WAVE TUNERS, tool box, etc., etc.

13 in. long, 3½ in. wide, 6½ in. high. Rounded corners—protruding brackets for base mounting. An ingenious mechanic will find many valuable and interesting uses for this handsome metal box.  
**Cat. No. 1320. Our price ..... 95c**

Unlike most amplifiers the RADAX makes use of a separate 227 tube, to which is connected the phonograph pick-up leads, serving as a pre-amplifier, for electrical phonograph reproduction! Many dancehalls, restaurants, hotels, etc., are purchasing the RADAX solely for phonograph record reproduction at a price heretofore dreamed as totally impossible! By attaching a microphone input transformer you can use the RADAX as an excellent PUBLIC ADDRESS AMPLIFIER. Furnishes field coil voltage for 110 volt D.C. dynamic speaker. Can also operate any A.C. type dynamic speaker or magnetic type!

A special model is available to be used especially with the PEERLESS 15-inch DYNAMIC listed in this book—both field coil windings serving to an advantageous purpose in the amplifier circuits. The combination of this RADAX 245 amplifier and that PEERLESS DYNAMIC will result in a quality of reproduction so flawless in fidelity and so powerful in volume (with not a trace of distortion!) that its performance will leave you spellbound! Be sure to definitely state resistance value of 110 volt D.C. dynamic speaker to be used—if not the Peerless mentioned—or if an A.C. DYNAMIC or MAGNETIC SPEAKERS ARE TO BE USED!

Note dynamic speaker outlet socket (5-prong plug to fit same, 50c additional). Phonograph Radio SWITCH, Input Jack for Phonograph Pick-Up, Cover for Metal Box, Cable providing following terminals: INPUT, 2 1/2 volts A.C. at 12 amps. (not used when amplifier is coupled to a battery receiver tuner) +45, +90, +135, +180 volts "B" (250 volts produced is fed direct to both plates of 245 tubes) and negative "B." Contained in an attractively finished metal box. A.C. TUBES REQUIRED: 2-227, 2-245, 1-280. (Prices quoted below do not include tubes.) Set of tubes, \$3.00 EXTRA!

### Kit Models Are Semi-Assembled

Simple instructions furnished permit wiring of this amplifier by any novice without a possibility of encountering any difficulties. The "A" unit is only sold fully assembled.

Cat. No. 476—RADAX 245 PUSH-PULL POWER AMPLIFIER. Contained in a crystalline finished metal case, 12 in. long, 8 in. high, 8 in. deep. Furnishes 12 amps, 2 1/2 volts, all "B" voltages

**\$18.75**

Cat. No. 477—Same as No. 476, but furnishes 1 1/2 volts for 6-226, 2 1/2 volts for 2-224 or 2-227.

**\$19.85**

(Add \$4.50 additional to net prices of Cat. No. 476 and Cat. No. 477 if you desire same FULLY ASSEMBLED) Cat. No. 481—COMBINATION, No. 476 (245 Amplifier) and No. 480 (6 volt "A" unit).

**\$27.85**

(\$4.50 additional, fully assembled)

Cat. No. 480—RADAX 6 volt, 2 1/2 amp. "A" unit. Can be used with any radio set. (4 volt, same price.) OUR PRICE.....

**\$11.95**

Fully Assembled

Available for any voltage, current and cycles. Write for Wholesale Prices!

the least amount of heat dissipation exists, and by having the condensers completely surrounded within the housing by a special heat insulating wax. These precautions unconditionally guarantee against condenser breakdown!

### Ultra-Efficient Audio Amplifier Circuit and Parts Used

The audio transformer assembly is so arranged as to permit maximum gain and NO feedback! Each transformer is positioned to produce its magnetic flux in a plane at right angles, to the others. The first audio transformer is individually shielded from the rest, while the entire audio transformer assembly is collectively shielded from every other component of the amplifier, thus preventing the slightest foreign electrical pick-up. The heavy duty voltage divider is located beneath the metal chassis and so inaugurated into the circuit as to produce minimum heat dissipation. All of the audio transformers contain a unique metallic core, having such magnetic properties as to produce minimum wave shape distortion, thus eliminating secondary or foreign frequencies from the true tune. The first audio transformer has a very low ratio, which allows the use of a very large primary and thus gives sufficient inductance to maintain a constant amplification factor over the entire musical scale! The push-pull interstage has a maximum undistorted output of 238 milliwatts, which swings the grids of the 2-250s to produce an output of twenty to twenty-five watts. 2-250 tubes are operated at the exact mid-point of their plate current curve, which permits maximum amplification without operation at maximum ratings, thereby doubling the life of the power tubes. Automatic grid-bias throughout the amplifier compensates for commercial variation in power tubes and AUTOMATICALLY produces a bias proportional to plate current, THEREBY ELIMINATING THE NECESSITY OF MATCHING TUBES!

### Furnishes 110 Volt D.C. Field Supply—Designed to Operate Any Type Speaker

Either A.C. or D.C. Types!

The output of the amplifier is optional and so designed to operate any good A.C. or D.C. type dynamic speaker capable of handling the volume. Provision is made through a plug-in cable and socket arrangement to enable the use of the 15-in. DOUBLE Field Peerless Dynamic Speaker, containing matched output transformer (Cat. No. 119). When operated with this speaker, one field is inserted in the plate supply of the power tubes and the other in the plate supply of all preceding tubes. Under these conditions, the magnetic field strength of the speaker is proportional, to the intensity of the output signal. This unique feature (PROPORTIONALLY PULSATING MAGNETIC FIELDS) permits the production of high and low notes with equal volume, REGARDLESS OF THE FACT THAT IT TAKES MORE ENERGY TO PRODUCE BASS NOTES THAN TREBLE. It also PREVENTS SPEAKER RATTLE regardless of volume! The over-all result is a remarkable preservation of the fidelity of reproduction. We honestly believe this is the only amplifier ever made to incorporate all of the original features described on this page. In addition to having each assembled and wired amplifier subjected to rigid tests and inspections throughout its manufacture, it is run for a period of twelve hours, readings being taken at the beginning and end of each test are carefully compared to a standard to detect any abnormal conditions.

(power transformer, condenser block, audio transformers, etc.) not only mounted in their pitch filled "cans," but also bolted to the chassis, with all leads protruding thereunder, and all such leads suitably coded for your ready identification. Thus, the major part of the work is really done in our laboratories, and the instructions furnished are readily understood by any novice following manufacturers' parts are included: THORDARSON A.C. power transformer; chokes, interstage push-pull transformer; TOBE surge-proof filter condensers; VICTOR push-pull transformer; WARD LEONARD voltage dividers; EBY sockets and jacks; SONORA, HART and HEGEMAN, INTERNATIONAL resistors, etc., etc.; reads like the "Hall of Fame" of radio manufacturers!

Cat. No. 1288. SEMI-ASSEMBLED. Furnishes choice of 12 Amps. 2 1/2 volts A.C. (for 6-224 or 227), or, 12 amps. 1 1/2 volts and 4 amps. 2 1/2 volts A.C. (for 5-226, 1-227) to tuner, and all plate voltages. Requires 3-227, 2-250, 2-281 (Tubes Extra) .....

**\$39.75**

Cat. No. 1289. FULLY WIRED .....

**\$47.50**

Cat. No. 1594. SET OF R.C.A. LICENSED TUBES, 3-227, 2-250, 2-281. SPECIAL PRICE, with purchase of AMPLIFIER.....

**\$12.50**

Cat. No. 1292. Same as Cat. No. 1288, but employs an extra 1-227 tube solely for phonograph pick-up work, and dispenses with push-pull interstage, using instead a conventional 227 First A. F. stage, feeding into push-pull 250s. Requires 2-227, 2-250, 2-281. SEMI-ASSEMBLED .....

**\$30.50**

Cat. No. 1293. FULLY WIRED .....

**\$37.50**

Cat. No. 1595. SET OF R.C.A. LICENSED TUBES, 2-227, 2-250, 2-281. SPECIAL PRICE .....

**\$11.50**

2nd A. F. Push-Pull Stage 250 Power Amplifier and "A-B-C" Power Pack

For modernizing all type receivers, now equipped with 171A or 245 last stage power tubes—connect your set's First A. F. tube plate lead to INPUT on this amplifier. Furnishes field current for D.C. DYNAMIC SPEAKER. Choice of A. C. filament voltage for A.C. set (either for 1 1/2 or 2 1/2-volt tubes!) and +45, +90, +135, and +180 volts "B." (Of course, furnishes 450 volts "B" to 250 plates!) Requires: 2-281, 2-250 TUBES. ...

**\$14.75**

Cat. No. 1596. SEMI-ASSEMBLED .....

**\$19.75**

Cat. No. 1597. FULLY WIRED .....

### NOTE

All of the above models designed, as is, for use with 110 volt. D.C. dynamic speakers. Be sure to mention field coil resistance of your D.C. dynamic speaker. If you desire to use on A.C. dynamic speaker BE SURE TO STIPULATE THAT INFORMATION and add \$3.75 to any of the above net prices.



be so faithful by as its much larger "brother" Volume No. 1549. No distortion! Just perfect satisfaction! 10 inches over-all diameter — 5 inches deep. Ranges from 7 inch hole in baffle. Buter cloth diaphragm. Complete with PUSH-PULL OUTPUT TRANSFORMER, with voice coil matching transformer. 25-30 Volt D.C. field, 2,500 ohms. (Other resistance values available.)

**\$5.35**

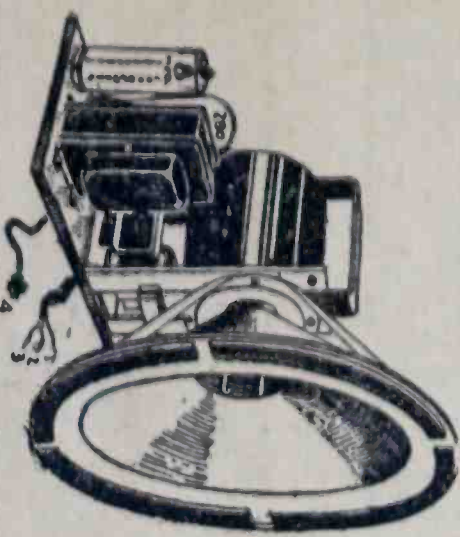
**Cat. No. 1548—Our Price** .....  
**5-PRONG BAKELITE PLUG, FITS ANY UT SOCKET TO WHICH ARE WIRED THE TWO LEADS COMPRISING THE D.C. FIELD VOLTAGE FOR THE SPEAKER, AND THE THREE LEADS INTENDED FOR THE PUSH-PULL OUTPUT TRANSFORMER** .....  
**65c**

**Same as above, but operates right from any A.C. SOCKET. Ideal for replacing MAGNETIC CHASSIS NOW housed in table model cabinets, due to extreme compactness. USES 280 TUBE RECTIFIER!**  
**Cat. No. 1547. OUR PRICE** .....  
**\$8.50**

## Peerless "Auditorium" 15-Inch Diameter Dynamic Speaker

### Chassis for 110 Volt A.C.

**Operates with Any Set or Power Amplifier**



**Is built for H E A V Y D U T Y S E R V I C E!** An excellent speaker for use with AUDITORIUM AMPLIFIERS, such as the R A D I O X 3-STAGE, DOUBLE PUSH-PULL MODEL, for INDOOR OR OUTDOOR USE. Note generous proportions of A.C. Power Transformer that excites the field coil! The 8 Mfd. ELECTROLYTIC CONDENSER completely ELIMINATES ANY A.C. HUM! An auxiliary field coil of 900 ohms (the other field coil, of 4,000 ohms, is energized by the RECTIFIED HIGH VOLTAGE) is available for use as one of the FILTER CHOKES in a power pack, or, it can be used as a "C" bias resistor. Note that the use of this auxiliary field coil FURTHER ENERGIZES THE MAGNETIC FIELD—THIS IS AN EXCLUSIVE AND VALUABLE FEATURE! The voice coil measures fully 2 1/2 inches in diameter. Remember, a 280 tube rectifier FAR EXCEEDS IN EFFICIENCY THE USUAL RECTIFIER ARRANGEMENTS. Requires a baffle hole no larger than 1 3/4 inches in diameter. EQUIPPED WITH PUSH-PULL OUTPUT TRANSFORMER (FOR 250-245 or 171) and VOICE COIL MATCHING TRANSFORMER.  
**Cat. No. 1548. OUR PRICE** .....  
**\$18.75**

as the big sets and only one volume control; that's all there is to it. If convenient, an aerial may be used instead of the ground, although the ground will give satisfactory results. The large dial is the station selector, the small one the volume control. Built into a beautiful black leather carrying case, 7 1/2 in. x 13 in. x 14 in., with chromium nickel mounting. Complete, it weighs only 10 pounds. It is ideal at parties or in the office and is a marvelous gift for the person who travels, or for the patient in the hospital.

**Cat. No. 1549. A.C. RECEIVER, WITH PAIR HEADPHONES** .....  
**\$15.00**

**Cat. No. 1550. D.C. RECEIVER (for 110 Volts D.C.) WITH PAIR HEADPHONES**....  
**\$15.00**

**Cat. No. 1551 2-2Z7 A.C. TUBES** .....  
**\$1.50**

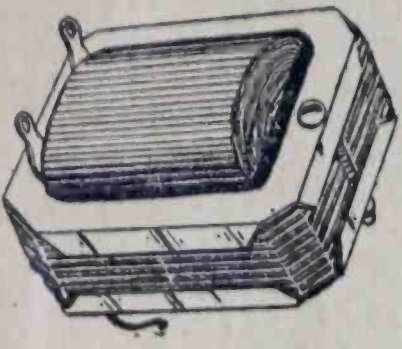
## 6 Volt A.C. Bell-Ringing Transformer

**With Optional Secondary for 330 Volts A.C.**



Formerly designed for use with KYLEC-TRON CONDENSER speakers, to which it furnished 330 V. on terminals Nos. 4 and 5. If not required, just ignore and use Nos. 3 and 4 for 6 V. A.C. Nos. 1 and 2: 110 V. A.C. primary. Size: 1 1/2 in. x 2 1/4 in. x 2 1/4 in. Very useful around every shop, and in any home!  
**Cat. No. 1460. OUR PRICE** .....  
**95c**

## Peerless Heavy Duty Filter Chokes



Ideal for 250 power packs, and, of course, 171 and 245 types as well. Rated conservatively at 30 henries, 150 mils. Size: 3 3/4 in. x 3 1/2 in. x 2 1/4 in. Massive in size — actual weight — 3 3/4 lbs!

**Cat. No. 1459.—525 Ohms D.C. Resist.**  
**Our Price** .....  
**\$1.15**

**Cat. No. 1534.—750 Ohms D.C. Resist.**  
**Our Price** .....  
**\$1.40**

nections to a D.C. type dynamic speaker are made through a 5 prong bakelite plug (with its own leads to the speaker) and a 5 prong UV socket attached to the amplifiers base-board. Connections to an A.C. DYNAMIC SPEAKER are made by two Eby binding posts. THIS INSTRUMENT NOT ONLY FURNISHES ITS OWN "A-B-C" CURRENT REQUIREMENTS, BUT ALSO FURNISHES EITHER 1 1/2 or 2 1/2 volts A.C. for A.C. tube filaments in ANY RADIO TUNER (A.C.), as well as 45, 67, 90, 135 and 180 volts plus "B" voltage to the plates of such tubes!

## Can Be Coupled to Any Battery Set Tuner Output, Phono Pickup or Microphone

As the required "A-B-C" voltages are available, it is suggested that any battery set tuner be slightly redesigned to accommodate any of the modern A-C Tubes: 226, 227, 224. Or, if you wish to use the tuner as is, with its present battery type tubes, simply install a RADAX 6 Volt "A" UNIT. Of course, you can keep right on using the present 6 volt current source, too, without purchasing new equipment.

## Produces Auditorium Volume with Tone Quality Par Excellence

Reproduction of music through this amplifier transforms a mighty SYMPHONY OF 150 MUSICIANS INTO A MYTHICAL SYMPHONIC ORCHESTRA OF 1500 MUSICIANS! Despite the gigantic amplification produced, there is NO distortion! Although suitable for small auditoriums, due to its MAMMOTH VOLUME, it can be regulated down to suit your individual tastes!

## Simple Layout and Simple Instructions Furnished Assure Rapid and Accurate Assembly

The detailed blueprint, with pictorial layout, and wiring instructions, are so easily understood that any novice can complete the assembly of this apparatus in a surprisingly short time!

### MODEL "A"

**Cat. No. 1553. Furnishes 2 1/2 volts A.C. for up to 5-2 1/2 volt tubes (227 and 224), as well as full "B" and "C" voltages** .....  
**\$19.50**

### MODEL "B"

**Cat. No. 1554. Furnishes 1 1/2 volts A.C. for up to 5-226 tubes, AND 2 1/2 volts** .....  
**\$19.50**

## COMPLETELY WIRED MODELS

Wired by competent Engineers and then thoroughly checked with the aid of modern TEST EQUIPMENT. When you receive our wired amplifier, you have but to insert the cord and plug into any 60 cycle A. C. light socket, insert the tubes and attach to any RADIO TUNER, PHONO, PICKUP OR MICROPHONE (with external "mike" transformer).

### Cat. No. 1730. Model "A."

**FACTORY WIRED** .....  
**\$30.50**

### Cat. No. 1731. Model "B."

**FACTORY WIRED** .....  
**\$30.50**

## SET OF R-C-A LICENSED TUBES

**Cat. No. 1732.**

**1-227, 2-250, 2-281** .....  
**\$9.25**

### NOTE

**Either Model will operate 3 to 4 DYNAMIC SPEAKERS.**

## B. B. L. Magnetic Speaker

Famous the world over! 9-inch diaphragm, made of moisture proof Burtex Cloth. Uses ultra-powerful B. B. L. unit—entire speaker chassis (not fully illustrated). Now costs less than former price of unit alone!

Cat. No. 1305.  
**OUR PRICE..... \$2.85**

## Sandar Magnetic Speaker



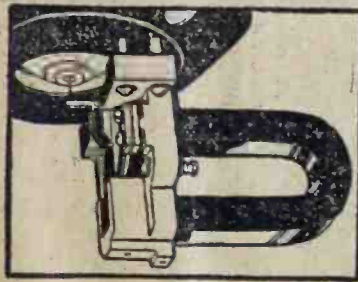
Contained in a handsome and durable bronze finished metal case, of striking design. This speaker boasts of tone reproducing qualities with no blasting or distortion, an inherent feature! 11½ inches high, 9½ inches wide, 7 inches deep.

Cat. No. 303  
**Our Price \$3.75**

## Best De Luxe Theatre Pick-up

Substantially built of die cast metal parts finished in a rich statuary bronze. All bearings are of case hardened steel accurately machined. The supporting base is adjusted to height so that the pick-up is readily fitted to any turntable. A volume control with a very smooth taper is built directly into the base. A standard screw type needleholder is provided so that any size needle may be used. The arm of the pick-up is provided with an extra hinge joint enabling the head of the pick-up to be tilted into a vertical position permitting of easy changing of needles. May be operated directly into the grid circuit of the tube or through a transformer dependent on the type of amplifying and speaker equipment used. Conceded to be one of the finest pick-ups on the market.

Cat. No. 1413—Model P1 Standard—  
**OUR PRICE..... \$11.76**  
(List, \$20.00)  
Cat. No. 1414—Model P2 Long Arm—  
**OUR PRICE..... \$14.70**  
(List, \$25.00)

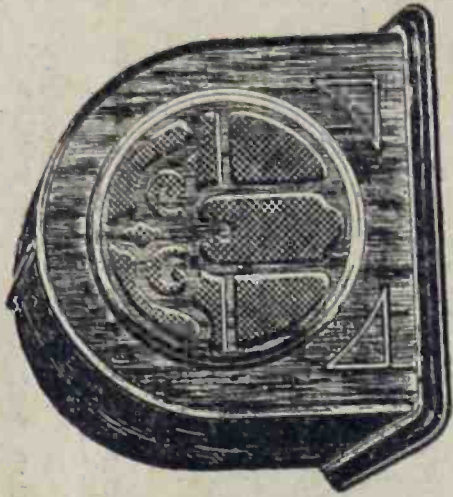


## Peerless Magnetic Speaker

We recommend this speaker most highly and suggest to all our customers that they specialize on the sale of this superior product. We have received more re-orders on this speaker than any other we sell. Not only does this speaker offer exquisite beauty of design and appearance, but it has that ability to reproduce speech and music with a fidelity of reproduction that makes one believe they are a personal audience of some of our dealers claim this speaker reproduces in a dynamic like manner! The graceful cabinet is made of the finest, highly rubbed, mahogany. Twenty-five at a time will be none too many.

**WATCH THEM MOVE OUT!**

Cat. No. 323  
**Our Price \$5.75**  
In lots of 3, \$5.50 each  
In lots of 12, \$5.00 each



## Bosch Speaker

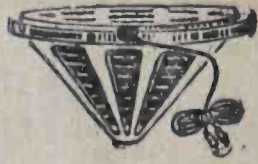
Magnetic Table Model  
The model 616 can be used on all types of receivers without necessitating any adjustment of the reproducer or attention to the Correct polarity of the speaker cords. The impressiveness of the brown tone cabinet lends an atmosphere of beauty to its modern surroundings.

Cat. No. 117  
**Special \$4.75**  
at  
**List Price \$30.00**

## Crosley Dynacone Speaker Chassis

Ideal for installation in midget receivers, automobiles, or wherever space is at a premium. You will be amazed by its ability to reproduce voice and music with unusual volume and fidelity.

Cat. No. 1299—  
**OUR PRICE..... \$2.75**



## Stewart Warner Magnetic Chassis

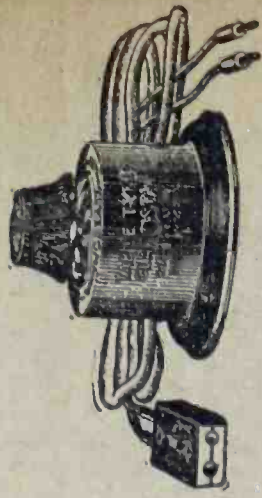
For Replacement Purposes or New Installation—A "Big Buy"!

Cat. No. 129

**Our Price \$2.25**

## Table Type Clarostat

Controls  
Phono,  
Pick-ups,  
Speakers, etc.



May be employed as a volume or tone-control, regeneration control or stabilizer. Finished in attractive statuary bronze and nickel, with felt bottom to prevent scratching. Provided with connecting cords and handy tip-connection block. Range zero-500,000 ohms. 7-watts carrying capacity.

Cat. No. 1406—  
**OUR PRICE..... \$1.50**

## Best Theatre Dynamic Speaker

The field power of the speaker is about 20 watts supplied by two 281 rectifier tubes. The average airgap flux density is 16,000 lines per square centimeter. Due to the high airgap flux density and the specially constructed voice coil this speaker has a very high efficiency and delivers exceedingly high sound output for a given electrical input. All models except the 15 ohm impedance are supplied with an impedance coupling transformer in the base. Overall width, 15½ in. Overall height, 14½ in. Overall depth, 10¼ in. Diameter of baffle opening, 12 in. Distance of center of diaphragm above table, 8 in. Weight speaker only, 55 pounds.



Cat. No.	Model.	Voltage.	Cycle Frequency.	Ohm Impedance.	List Price.
1415	D-6-A	110 A.C.	60	15	\$95.00
1416	D-6-B	110 A.C.	60	500	95.00
1417	D-6-C	110 A.C.	60	4000	95.00

**Our Price \$57.00**

## Improved Gordon Induction Motor

As absolutely quiet, compact, light-weight induction motor. Free of brush or cut-out switches which are of dangerous nature. Drives through particularly indestructible phosphor bronze worm and compressed spring gears, ensuring longer life and greater efficiency.



Cat. No. 230  
 List Price, \$25  
**Our Price \$8.95**

**Special 110 Volt Universal Model**  
 For D.C. and A.C. current. Has automatic stop and all other exclusive features. Complete with turn-table. Cat. No. 231. **YOUR PRICE \$20.45**

## "Best" Theatre Pickup



**COUNTER-BALANCED**  
 List \$17.50  
 Cat. No. 217  
**\$4.95**

## Paratone Duo-Magnet Unit

Two Tungsten Steel Magnets. Direct drive. Comes with mounting brackets. Withstands 600 volts without any tendency to blast, or chatter. Used in many of the finest \$35.00 to \$50.00 list cone speakers. Ideal FOR REPLACEMENTS. Do not confuse this with ordinary units.  
 Cat. No. 815  
**Our Price \$2.50**



## Radax A. C. Electric Phonograph Motor and Turn-Table



Non-interfering electric motor for operating phonograph turn-tables. Will not hum when used in machines having electrical reproduction and amplification. Contains high starting torque that gives correct turn-table speed from the second the switch is turned on. The motor is supplied complete with turn-table, accurate speed governor that insures absolutely no change or variation in turn-table R.P.M. even when the line voltage fluctuates. Motor operates on 110-volt, 50-60 cycle alternating current. For complete satisfaction, we heartily recommend this splendid instrument—quality built down to a price!  
 Cat. No. 1319  
**Our Price \$7.95**

Is one of the valuable features offered! Remarkable fidelity of reproduction over a wide tone range.

Cat. No. 811  
 Less Volume Control  
**\$4.65**

Cat. No. 812  
 With Volume Control  
**\$5.75**

## Diehl Electric Turntable

**Motor**  
 Manufactured by Singer Sewing Machine Interests



Many standard set manufacturers have been using the DIEHL electric motors for many years in their costly RADIO - PHONOGRAPH combinations. Boasts following features: Uniform speed, silent operation, positive regulations of speed, high torque (quick starting), no vibration, consumes only 18 watts, no radio interference, easy to install, very compact. Price includes 12-inch felt covered, non-wobbling turntable.

Cat. No. 814  
**Our Price \$9.75**

## Genuine Nathaniel Baldwin Units



Cat. No. 222. Rival..... \$1.25  
 Cat. No. 223. Lyric..... \$1.20  
 Cat. No. 224. Type H..... \$1.20  
 Cat. No. 225. Standard..... \$1.20

## Columbia-Kolster Electric Phonograph Pick-up



Made by the internationally renowned Columbia Phonograph Co. for Kolster. Conceded to be one of the most sensitive and powerful pick-ups on the market—ideal for theatre, home or auditorium use. Head tilts clear back for ready access to needle chuck. **REMOVABLE HEAD FEATURE!** Handsomely bronzed, sturdy metal yoke. Rubber cushion stop protects head from striking yoke.

Cat. No. 1726.  
**Our Price \$5.95**  
 List Price \$19.75

fluctuations, the turntable revolves exactly 80 times in one minute, the prescribed standard for perfect reproduction. In the original pitch. Can fit into most any available space. Turn-table is included. For 110 volt. 50-60 cycle A.C. Complete with Turntable.

List \$22.00  
 Cat. No. 193  
**Our Price \$3.25**

## Pacent "Phonovox" Pick-Up



Famed for extreme sensitivity and ample volume. Properly counterbalanced arm. Rubber feet on base. Pivots very smoothly. Weighted base prevents tipping over, if base is not screwed to platform.  
 Cat. No. 221  
**\$4.25**

## Pacent

**Improved Phonovox**  
 For public address systems or use with any receiver or amplifier.  
 Cat. No. 229...  
**\$6.65**



## Improved Sonora Electric Reproduction Motors



With Automatic Stopping Device and Speed Governor  
 An improved electric motor that will not hum-m-m when used in machines having electrical reproduction and amplification. Can be installed in a few minutes by any novice. Of ample proportions! For Heavy Duty Service!

List \$25.00  
 Cat. No. 227  
**Our Net Price \$8.95**  
 Pacent Latest Model A.C. Phono. Motor  
 Cat. No. 228 Complete with Turntable, \$11.95



D. E. 1 or No. 127 No. 602 **\$1.60**

S. O. 1 or No. 40 No. 503 **\$1.80**

All Brand New Tubes  
In Original Cartons

Arcturus No. 22  
Screen Grid

No. 1189 **\$4.41**

# The Truth About '35c' Radio Tubes

In modern slang, an old adage is tersely, but plainly, stated: "NOTHING FOR NOTHING!" This axiom well applies to the situation existing in the sale of 25c, 35c, 45c, etc., radio tubes. Any tube manufacturer will tell you that the actual cost, plus overhead, far exceeds the sale price (in reality he receives less for his product than the general resale prices for these series of tubes flooding the market). What, then, is the basis for this condition? It is very simple: The more reputable a tube manufacturer is the more rigid are his specifications handed down to the testers in his plant—to insure complete satisfaction to his customers he purposely sets the electrical tolerance standards higher than what would be adequate for average use and requirements. The result of this policy naturally throws many tubes out of that line of production known as "firsts." Those discarded tubes are then SALVAGED, and we purchase them "for a song," and pass on to you the benefit of such merchandising "scoops." Mind you, we frankly state these tubes are NOT "FIRSTS," and that they

are NOT AS GOOD as "FIRSTS," but we do say that you are purchasing splendid value at the rock bottom prices we quote. For that matter, many of our customers have reported that these tubes are giving them **SPLENDID PERFORMANCE**. Bear this in mind: A meter test might indicate that any of these tubes are "not up to accepted rated specifications," yet, in actual use the very same tubes will perform seemingly as well as **PERFECT "FIRSTS"**. However, the tubes we sell in this series do not have the same **LIFE** as "FIRSTS," and this fact contributes further to the almost ridiculously low prices quoted. There are many instances where these tubes have remained in service for 6 to 8 months! Due to the intangible facts available concerning the probable life of these tubes, we can only **GUARANTEE THEM TO LIGHT AND PERFORM—IF THEY FAIL TO GIVE SATISFACTION, PLEASE RETURN THEM TO US FOR REPLACEMENT WITHIN 5 DAYS OF RECEIPT**. All tubes are meter tested before shipment, and most carefully packed to insure safe arrival.

**201-A**  
5 Volt .25 Amp.  
**40C**  
Cat. No. 530

**112-A**  
5 Volt .25 Amp.  
**35C**  
Cat. No. 531

**171-A**  
5 Volt .25 Amp.  
**35C**  
Cat. No. 532

**WD-11 — WD-12**  
1.1 Volt .25 Amp.  
**\$1.25**  
Cat. No. 533

**226**  
1.5 Volt 1.05 Amp.  
**35C**  
Cat. No. 534

**227**  
2.5 Volt 1.75 Amp.  
**35C**  
Cat. No. 535

**224**  
2.5 Volt 1.75 Amp.  
**35C**  
Cat. No. 536

**245**  
2.5 Volt 1.5 Amp.  
**35C**  
Cat. No. 537

**280**  
5 Volt 2.0 Amp.  
**35C**  
Cat. No. 538

**250**  
7.5 Volt 1.25 Amp.  
**\$1.65**  
Cat. No. 539

**210**  
7.5 Volt 1.25 Amp.  
**\$1.65**  
Cat. No. 540

**281**  
7.5 Volt 1.25 Amp.  
**\$1.65**  
Cat. No. 541

**222**  
3.3 Volt .132 Amp.  
**\$1.65**  
Cat. No. 542

**X-199**  
3 Volt .06 Amp.  
**60C**  
Cat. No. 543

**V-199**  
3 Volt .06 Amp.  
**60C**  
Cat. No. 544

**X-120**  
3.3 Volt .132 Amp.  
**75C**  
Cat. No. 545

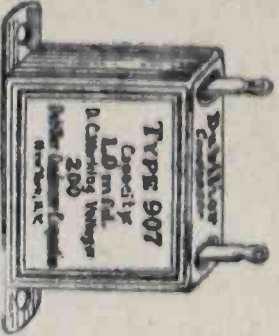
Net Price \$1.00 doz.

## R.C.A. Filter Cond. Block



Ideal for use in any power pack for a 171 set, A. C. or D. C.  
 RCA Part No. 8289—used in Radiolas 17 and 50. Contains two 1 mf.—One 2 mf.—one 3 mf.—two 3 1/2 mf.—for D.C. voltages of 150 to 300, according to position in the circuit.  
 3 1/2 in. x 2 1/2 in. x 5 3/16 in.  
 Cat. No. 374  
 List. \$19.20  
**Our Price \$4.95**

## Dublier, Potter, Polymet, Tobe, Micamold, Aerovox, Radar Condensers



Cat. No. 261. .1 mfd. Dozen lots, \$2.64  
**Your Price 25c**  
 Cat. No. 262. .25 mfd. Dozen lots, \$3.00  
**Your Price 29c**  
 Cat. No. 263. .5 mfd. Dozen lots, \$3.36  
**Your Price 30c**  
 Cat. No. 264. 1 mfd. Dozen lots, \$3.65  
**Your Price 35c**  
 Cat. No. 265. 2 mfd. Dozen lots, \$6.85  
**Your Price 60c**

## R.C.A. Choke Coil



FOR 250 POWER PACKS  
 30 Henrys—100 mills  
 Used in the RCA Uni-Rectron 210 Power Amplifier. Many other uses!  
 For all POWER PACKS.  
 Cat. No. 370  
**Special \$1.75**

## Ear Phone Adapter



For use with electric and battery model sets. Listen to DX at any time without disturbing the rest of the family. Take out the Power Tube of set, and insert the EAR PHONE Adapter in place of tube, and then insert phone tips of ear phones in specially provided connector. Black bakelite, complete with Cord and Connector.  
 Cat. No. 1407.  
**OUR PRICE 90c**

## Carter 25,000 ohm Volume Control

Note long shaft  
 Cat. No. 1683.  
**OUR PRICE 20c**



## Centralab 2,000 Ohm

Air Cooled Volume Control



Cat. No. 1684  
**OUR PRICE 20c**

## "Golden Gem" Adding Machine

Having used 14 of these machines in our own Accounting and Stock Dept., and being so very well satisfied with their ACCURATE PERFORMANCE, we have decided to sell them, as we are fully assured of our customers' absolute satisfaction, using one.



It is simple to operate—even a child can operate the Gem accurately. It operates swiftly and accurately. The mechanism does the calculating automatically. It clears to zero instantly and mechanically. It has the totals always in sight—thus providing an always visible sub-total and grand total. The GEM is built to last your business life time. It prevents eye and nerve strain, and saves your brain for other work more essential than just adding, multiplying, etc. It is dustproof when not in use, as it will slip into your pocket or desk drawer. You can carry the GEM about with you on business trips, as it weighs only slightly more than a pound. Your GEM will quickly pay for itself many times over by preventing costly errors.  
 Cat. No. 1686.  
 7 Column Capacity.....**\$8.50**

## Westinghouse Choke Coil

15 Henrys—65 Mills  
 Impregnated in wax. Laminations best grade of high test silicon. Ideal choke for all "B" Eliminators and A.C. sets.  
 D.C. Resistance 400 ohms.  
 Cat. No. 375



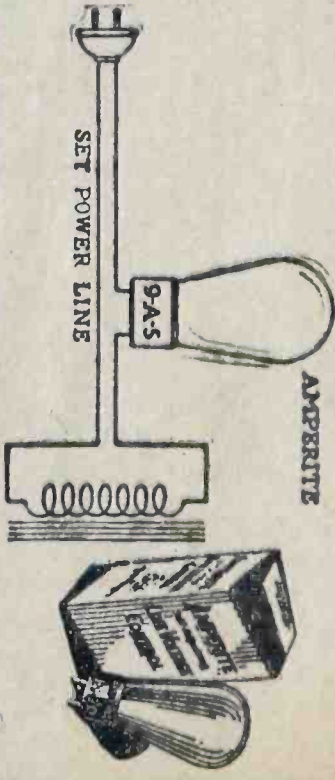
**Special 25c**  
 Lots of 50, 23c. each

## Dumont "A" and "B" Eliminator

Furnishes 6 volts (at 2 1/2 amperes) "A" current for 201A, 112A and 171A type tubes, and ample "B" voltage (several intermediate voltages provided). HUM-LESS and QUIET. Requires a 280 tube. Plug into any 60 cycle 110 A.C. socket.  
 Cat. No. 1687.  
**OUR PRICE \$15.50**  
 280 TUBE, 50c ADDITIONAL

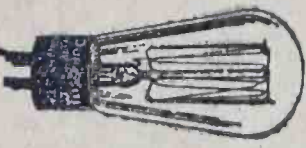


## Amperite Self-Adjusting Line Voltage Control



AMPERITE is a special tube containing a resistance element, which accurately and instantaneously responds to line voltage fluctuations and permits only the proper amount of current to pass. It has a base with two prongs which instantly fit into a standard radio tube socket. Maintains set voltage at proper level, despite variations or surges in the line of as much as 35 volts! We can supply the proper amperite for any make or model receiver—please definitely state detailed information.  
 Cat. No. 1688.  
**OUR PRICE \$1.80**  
 Cat. No. 1689.  
**SOCKET FOR SAME 35c**

## Duresite Voltage Regulator Tube



Many radio set manufacturers have adopted the DURESITE Ballast Tube as standard equipment. Others have provided for its optional use by a tap in the transformer winding so that the tube can be inserted in place of a fuse plug in the set or in place of a strap connection in the set for the house current outlet in the set socket, and the set transformer. As receiving sets differ in electrical design, the correct Duresite tube should always be used. Kindly specify make and model number of receiver. Fits conventional type UX socket.  
 Cat. No. 1690.  
**OUR PRICE \$1.80**

**Receivers**

Also suitable for any "Long" or "Short" Wave A. C. Set  
Requires a 280 Rectifier Tube.  
For 110 volts, 50-60 cycles A.C.



Cat. No. 1402  
**Our Price**  
**\$18.50**

**I. C. A. "Conqueror" Plug-in Short Wave Coils**

Eight coils included cover range of 14 to 157 meters. 2-inch, grooved and carefully spaced tubing used. Famous "Ship to Shore" series type coils. Require .00015 mfd. variable condensers.



Cat. No. 1403-62  
**OUR PRICE**  
**\$11.55**

**BROADCAST BAND PLUG-IN COILS**

Cover 140 to 600 meters. Consists of four bank wound coils, in two pairs. For .00015 mfd. variable condensers.



Cat. No. 1404-63  
**Our Price**  
**\$10.25**

**Aluminum Sub-Panel Brackets**

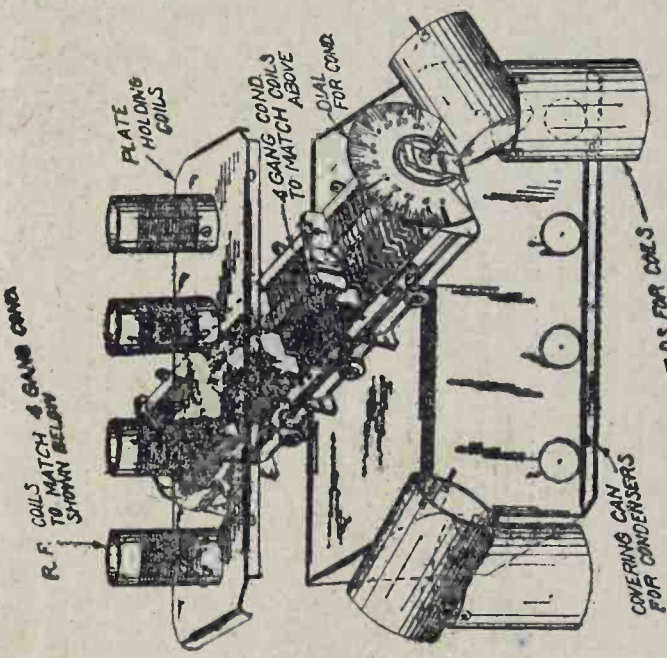


Sturdily constructed. A fair supply of each size should be available in every Radio shop; have many valuable applications. Bright finished aluminum.

Cat. No.	Size Inches	Our Price Per Pair
1301	8 1/2 x 1	21c
1302	7 x 2 1/2	24c
1303	9 x 2	36c
1304	11 x 2	45c

Cat. No. 138—Semi-Assembled S-W Kit, including 4 plug-in coils. Less Tubes.  
**OUR PRICE**.....**\$13.50**

**Set Builders' Chassis Assembly**

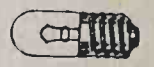


This solves the problem of all set builders—in former days wood baseboards were exclusively used, and could be easily worked—that was an advantage, but the disadvantage was the "home-made" appearance such assembly offered. Present day radio set construction calls for metal sub-panel chassis, and, of course, no set builder could attempt to make such a metal chassis. Handsome crackle finish, stamped out of solid sheet steel, together with Condenser and Power-Pack Cans, same as used on many standard A. C. receivers. Chassis-Base has all stampings and drillings for sub-panel mounting of any eight-tube circuit, using Wafer Sockets.  
Dimensions: Chassis-Base—18x15x3 1/4 in. Condenser Case—10 1/2 x 4 1/4 x 4 1/4 in. Power-Pack Case—7 1/2 x 4 1/2 x 4 1/4 in.  
Cat. No. 313—Chassis-base, Condenser Case and Power-Pack Cans.....**\$6.50**

Cat. No. 314—De-Jur-Amsco Four Gang Condenser, complete with dial and escutcheon plate, set of four matched coils (for 3 screen grid R. F. tubes and 1-227 detector tube), and including necessary shielding cans for coils.....**\$8.95**

**Mazda Dial Lamps**

Cat. No. 1297—5-volt filament.....**15c**  
**Package of 10, 95c**  
Cat. No. 1298—2 1/2-volt filament.....**15c**  
**Package of 10, 95c**



Cat. No. 130—Fully assembled and wired.  
**OUR PRICE**.....**\$18.50**

**AIR-KING**

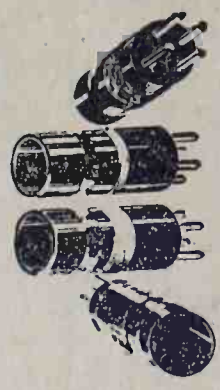


**PRECISION SHORT WAVE PLUG-IN KIT**

The low loss feature has been obtained by winding the turns "on air" and by using the least possible amount of solid dielectric. Ruggedness in an unusual degree has been secured by riveting the lateral ribs firmly to the sturdy bakelite end pieces. Covers the entire short wave band from about 15 meters to 133 meters with a condenser of .00014 mfd. capacity. The tickler winding on each coil has been designed to be used with a condenser for all the tuning coils. The same antenna coil is used for all the tuning coils. So that the required degree of coupling may be obtained for any of the tuning coils, at any setting of the tuning condenser, for any range of frequency, and for any antenna, the antenna or primary coil is mounted on hinges.

Cat. No. 142  
**Our Price**  
**\$5.75**

**Set of Four Short-Wave Bakelite Plug-In Coils**



Accurately wound, on moulded bakelite tubes, which terminate at one end into a convention U.Y. socket; can be plugged into any 4-prong tube socket—a very valuable feature! Wound with Litzhendradrt wire. Cover following ranges: 16 to 30 meters, 29 to 58 meters, 54 to 110 meters, 103 to 225 meters. Use with a .00015 mfd. variable condenser. A big seller!

Cat. No. 1296  
**Our Price**  
**\$2.75**  
per Set of 4 coils

Cat. No. 1723  
OUR PRICE..... \$2.94

**D-X Cage Aerial**

**GIANT DX ROOF AERIAL**  
**SUPER POWER ON DISTANCE**



30 ft. long—as effective as aerial 150 ft. long. Fully assembled. Enameled No. 12 copper wire—solid heavy gauge zinc rings.  
Cat. No. 1724 \$5.88  
Cat. No. 1725 \$7.35  
60 ft. long (equal of 300 ft. long aerial).....

**Indoor Antenna Ribbon**  
Flexible metallic "ribbon." Fine conductor. Wide surface assures excellent pick-up. Ideal for auto-mobile aeriels or can be strung around mouldings in homes, etc.



Cat. No. 1717. Each, **36c**  
\$3.60 per dozen  
No. 18 Bell Wire **18c**  
Cat. No. 1718. 1/2 lb. coil.....  
\$1.80 per dozen



Case hardened screw assures ever-perfect contact bites through thick layers of rust!  
Cat. No. 1719. OUR PRICE..... **8c**  
In lots of 50, \$2.00

**Ground Clamp**

Cat. No. 1720. OUR PRICE..... **3c**  
\$2.50 per 100  
Lightning Arrester  
Cat. No. 1721. OUR PRICE..... **12c**  
25 for \$2.00  
100 for \$6.00



Insulated (Weather-Proofed) Window Lead-in

Cat. No. 1722. OUR PRICE **4c**  
\$3.50 per 100



3 3/8 in. deep.....  
Cat. No. 1428—Same as Cat. No. 1426, but equipped with ONE 30 HENRY FILTER CHOKE. Designed for A.C. sets using the field coil of a 110 volt D.C. Dynamic Speaker as the other filter choke. STATE RESISTANCE VALUE OF DYNAMIC SPEAKER FIELD COIL. 5 3/8 in. long, 4 3/4 in. wide, 4 in. high..... **\$6.10**  
Cat. No. 1429—Same as Cat. No. 1428, but case measure 5 3/8 in. high, 4 3/4 in. long, 3 3/8 in. deep..... **\$6.10**

**250 MODELS**

Cat. No. 1430—A.C. Power Transformer for 4-224 (or 227), 1 or 2-227, 1 or 2-250, 2-281 (1300 volt secondary—3 tap primary) and TWO 30 HENRY (150 mil) CHOKES. Case measures 8 in. long, 4 1/2 in. wide, 5 3/8 in. high..... **\$12.50**

Cat. No. 1431—A.C. POWER TRANSFORMER for 4 or 5-226, 1-227, 1 (or 2) 250, 2-281 (1300 volt secondary) and TWO 30 HENRY (150 mil.) CHOKES. Case measures: 8 in. long, 4 1/2 in. wide, 5 3/8 in. high..... **\$12.50**

Cat. No. 1432—Same as Cat. No. 1430, but WITH ONLY ONE CHOKE. Intended for A.C. sets using the field coil of a 110 volt D.C. Dynamic Speaker as the other choke. State resistance value of Dynamic Speaker field coil..... **\$11.00**

Cat. No. 1433—Same as Cat. No. 1431, but with only one choke. Intended for A.C. sets using the field coil of a 110 volt D.C. Dynamic Speaker as the other choke. STATE RESISTANCE OF FIELD COIL IN DYNAMIC SPEAKER..... **\$11.00**

**NOTE**

We can also furnish the above models in special size cans and in any other combinations of A.C. filament secondaries on A.C. Transformers. All of the above designed for 105-120 volt, 50-60 cycle A.C. Other models available for 25 cycle, etc.

**Assorted Bakelite Knobs**



Cat. No. 1616

For 1/4 inch shafts  
Cat. No. 1615  
Pee Wee, Per Dozen, **50c**  
Brown, Per Dozen, **50c**



Cat. No. 1615

**Assorted Eby Binding Posts**



Non-removable heads. No selection of titles allowed.

Cat. No. 1617. Our Price. Per dozen.... **50c**  
50 assorted for \$1.75

Gets into places where it is impossible to get with the fingers. Will hold nuts, machine and wood screws, lock washers, etc. Blade of the finest tempered steel, handle moulded of high grade bakelite, holding device consists of four finger-like prongs of spring steel which hold the screw head in vise-like grip.  
Cat. No. 1626. **90c**  
8 inch..... **\$1.20**  
Cat. No. 1627. 10 inch..... **\$1.20**

**Solderless Plug and Tip Jack**



Cat. No. 1631  
**9c each**  
24 for \$1.90



Cat. No. 1630  
**6c each**  
24 for \$1.00

**FULLY GUARANTEED Replacement Jars**



For Philco and Balkite "A" and "B" Eliminators

Guaranteed to give perfectly satisfactory service, and full charging rates in Power Units designed for their use.

Cat. No. 241 Type "A" (Small round jars for 4 volt eliminators.) **\$2.00 each**  
Cat. No. 242 Type "B" (Illustrated) For B eliminators. Set of 4, \$2.50  
Cat. No. 243 Type "AA" (Large square jar for 6 volt eliminators.) **\$2.50 each**

**"Radio Noises and Their Cure"**

A manual of 80 pages brim full of extremely valuable data and information, relative to the elimination of all RADIO INTERFERENCE. Size of pages, 6 in. x 9 in. Cat No. 1435. Our price..... **25c**



**"Fountain Pen" Flashlight**

**"VES-POC-LITE"**



Ideal for servicing interiors of radio sets, due to its extreme compactness: 5 1/4 ins. long, 1/2-in. diameter. Uses standard size battery, and Mazda bulb. Throws surprisingly powerful beam of light. Very useful. Complete with bulb, battery and clip. Cat. No. 1434. Our price..... **75c**

We will make you a \$10.00 allowance for same on the net prices quoted for this allowance must be well packed and all shipping charges must be prepaid.

Rock-bottom net prices on S-M "Supers" complete with console, tubes and matched dynamic speaker. To customers desiring to purchase these sets COMPLETE WITH MATCHED TUBES and MATCHED DYNAMIC SPEAKER we make the following special offers:

Cat. No. 460 Silver-Marshall A.C. "Super-Het" Complete With 9 Matched R.C.A. Licensed A.C. Tubes and Matched Jensen Dynamic Speaker <b>\$74.25</b>	Cat. No. 457 Silver-Marshall A.C. "Super-Het" Complete With 9 Matched R.C.A. Licensed A.C. Tubes and Matched Jensen Dynamic Speaker <b>\$83.50</b>	Cat. No. 458 Silver-Marshall A.C. "Super-Het" Complete With 9 Matched R.C.A. Licensed A.C. Tubes and Matched Jensen Dynamic Speaker <b>\$89.75</b>	Cat. No. 459 Silver-Marshall A.C. "Super-Het" Complete With 9 Matched R.C.A. Licensed A.C. Tubes and Matched Jensen Dynamic Speaker <b>\$79.25</b>	Cat. No. 461 Silver-Marshall A.C. "Super-Het" Complete With 9 Matched R.C.A. Licensed A.C. Tubes and Matched Jensen Dynamic Speaker <b>\$94.75</b>
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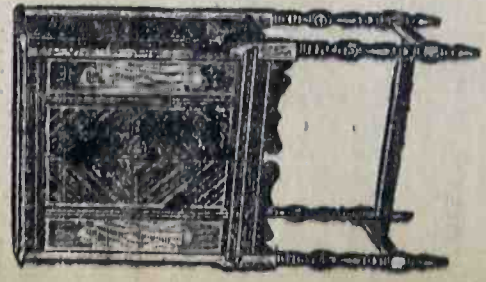
Cat. No. 515 Complete Antenna Kit.....\$1.25  
Cat. No. 516 Complete Antenna Kit.....\$1.25  
Cat. No. 517 Complete Antenna Kit.....\$1.25  
Cat. No. 518 Complete Antenna Kit.....\$1.25

Cat. No. 460  
List \$148.00  
**\$58.50**

Including Assembled Chassis, but Less A.C. Tubes and DYNAMIC SPEAKER  
Silver-Marshall Set Is Illustrated and Described Above

Mr. Radio Dealer—here is your ONE BIG LEADER! Specialize on this model and your bank balance will rapidly EXPAND! This console is worthy of installation in the finest of homes. A handsome piece of furniture and not just an ordinary radio cabinet. Burl walnut panels with satin wood and maple overlay Smooth, highly rubbed PIANO FINISH. Panel Size: 19 1/4 in. x 22 in. x 13 1/2 in. Overall size: 42 in. high, 35 1/2 in. wide, 15 1/2 in. deep.

### Silver-Marshall A.C. Super-Heterodyne

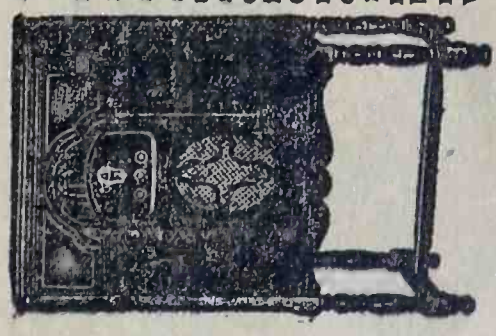


Another splendid type of the ever popular French Door Console. Four-way diamond, matched French doors, with ash side panels. Set panel of walnut with grill set back to give it massiveness. Maple overlays in corners to conform with the attractive grill. Inside of doors, American Walnut. Just as attractive open as well as closed. Set compartment 12 in. wide. Speaker compartment 12 in. wide. Height of cabinet, 46 in., 25 in. wide, 16 in. deep.

Cat. No. 458  
List \$168.50  
Your **\$74.50**  
Price

Including Assembled Chassis, but Less A.C. Tubes and DYNAMIC SPEAKER

### Silver-Marshall A.C. Super-Heterodyne

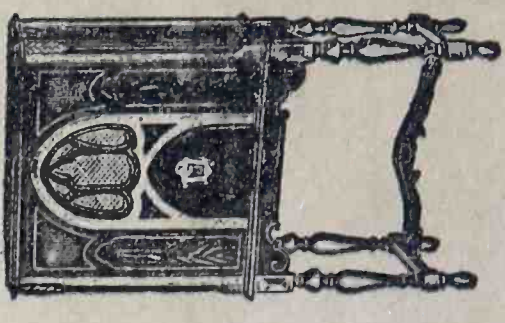


One of the finest SLIDING DOOR consoles on the market. Certainly very inexpensive, but at the same time it ranks in sheer beauty with very much more expensive consoles. Doors are so well constructed that sticking is impossible. Center matched burl walnut side panels. Top panel of genuine birds-eye maple, edge molded, striped mahogany doors with set board of American Walnut. 42 in. high, 25 1/2 in. wide, 15 1/2 in. deep.

Cat. No. 459  
List \$152.00  
Your **\$63.50**  
Price

Including Assembled Chassis, but Less A.C. Tubes and DYNAMIC SPEAKER

### Silver-Marshall A.C. Super-Heterodyne



Your most discriminating customer could desire no more luxuriously nor more beautifully designed High-Boy than this splendid example of GOTHIC design. Note the rich beauty afforded by the recessed panel board, mounted behind the impressive arch-massiveness and power is the underlying keynote of its design. Top—5 ply walnut. Grill Panel—3 ply Mahogany. End Panels—Gum. Front panel, 5 ply Walnut. Overlay on Front Panel—3ply Maple. Outside dimensions: 46 1/8 in. high, 26 1/2 in. wide, 14 1/2 in. deep.

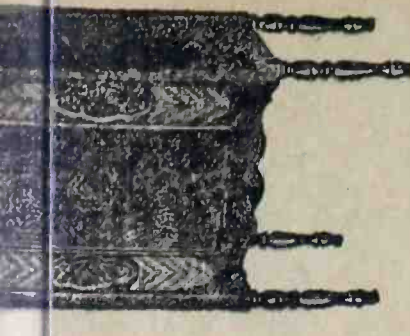
Cat. No. 461  
List \$195.00  
Your **\$78.50**  
Price

Including Assembled Chassis, but Less A.C. Tubes and DYNAMIC SPEAKER

Cat. No. 457  
List \$175.00  
**\$67.50**

Including Assembled Chassis, but Less A.C. Tubes and DYNAMIC SPEAKER  
Silver-Marshall Set Is Illustrated and Described Above

Unusually attractive French Door Console. Generally considered in the trade to have the greatest appeal to the purchasing public. You must see this cabinet to really appreciate the unusual beauty it offers! When the doors are open, the inside panels of same, exactly match the embossed design and oriental walnut panels of the two side panels. Burl walnut doors—note the truly beautiful grain! Set space: 10 1/2 in. by 22 in. by 12 1/4 in. Overall size: 43 in. high, 26 1/2 in. wide, 15 1/2 in. deep. Finished in smooth rubbed, piano finish—not just polished.





Provision  
for A.C.

# VOLTAGE CONTROL

3 Screen Grid Model  
**\$32.50**  
Less Speaker  
and Tubes

Uses an Amperite, Duresite or  
Clarostat Voltage Regulator

Cat. No. 513—Set of 3 R.C.A.  
Licensed Tubes and One  
Amperite Voltage Regulator  
Tube ... **\$9.83**

3 SCREEN GRID MODEL  
CAT. NO. 466  
ILLUSTRATED  
**PHONOGRAPH  
PICK-UP  
SWITCH**

## D.C. Dynamic Speaker

**PEERLESS OR JENSEN**

True, any good Dynamic Speaker (A.C. type may be used with slight change) can be used with this A.C. SET, but for absolutely perfect reproduction we recommend your purchase of any of the ACCURATELY MATCHED DYNAMIC SPEAKERS listed below. The 15-inch type is particularly recommended and certainly WELL WORTH the additional cost to you of only \$14.65. (This speaker is available without the chassis for \$16.95.) You can use any of the other smaller sizes of SPECIAL MATCHED DYNAMICS with equal satisfaction. The prices quoted below represent your additional net cost.

- No. 467 ..... **\$9.50**
- 9 inch ..... **\$9.50**
- No. 468 ..... **11.00**
- 12 inch ..... **11.00**
- No. 470 ..... **16.95**
- 15 inch ..... **16.95**
- No. 135—Jensen Concert Dynamic Chassis (matched) ..... **11.75**

The above speakers are obtainable without the chassis as well

NOTE: If desired, an A.C. Dynamic or any Magnetic Speaker may be used, instead of above Speakers, with the addition of a SPECIAL FILTER CHOKE (\$3.50 additional).

## The Most Sensational Value Ever Offered

There are any number of much lower priced radio chassis on the market today than \$32.50; however, you will do yourself, and our receiver, a great injustice if you are even favorably impressed with the lower priced offerings! We truly believe there is not the slightest comparison of quality possible—if our chassis were quoted for TWICE its present cost, that price would still represent remarkable value, considering its most exceptional performance, appearance and unusual construction, assuring practically ever-lasting service! Our most attractive price on these receivers will swiftly reduce our available supply, and once they are gone, you will not be able to procure them at any price, so, we suggest you act quickly, while our stocks are ample. If you are prepared to purchase these receivers in quantities of 6 or 12 AT ONE TIME, we will quote special prices.

## Description of 3 Screen Grid Model

Uses 3-SCREEN GRID TUBES, 2-237, 2-245, 1-260, and 15 VOLT-AGE-CONTROLLED, SINGLE ILLUMINATED tuning dial, CALIBRATED. PHONOGRAPH PICK-UP SWITCHING with the tuning dial. FULLY SHIELDED, MAMMOTH A.C. POWER PACK—note VENTILATION of power pack. SHIELDED TUBE CUPS. Dynamic speaker connections (both 110 volt D.O., field and plate output), with plug and socket provision supplied. Razor-edge selectivity—more than ample sensitivity—and TRESMENDOUS, DISTORTIONLESS VOLUME. 2,000-mile reception on a 10-foot AERIAL, often possible for 110 volt cycle A.C., 20% in. long. 3/4 in. high, 1 1/2 in. deep.

AVAILABLE FOR 25 CYCLE A.C.  
Cat. No. 466-A ..... **\$39.50**  
(3 screen grid)  
Cat. No. 520-A (4 screen grid) ..... **\$44.50**  
(All other voltage and cycle models available—  
write for net prices)

## Table Mount Tone Control

Enables one to choose the tone quality desired most. The proportion of treble and bass frequencies given off by the loud speaker may be regulated at will. The characteristics of the receiver and the speaker may be exactly matched to the acoustic properties of the room in which they are used, and gives a faithful reproduction of both musical instruments and voice tones over the entire range of expression even at a whisper without any loss of volume.



Cat. No. 1441—  
OUR PRICE ..... **\$1.05**  
PANEL MOUNT MODEL  
Cat. No. 1442—2 1/2 in. diameter—requires 9-16 in. diameter hole. OUR PRICE ..... **\$1.45**

## I. C. A. Selectuner

### Station Selector and Noise Reducer

Separates stations over entire wave band on any type of receiver and cuts through the locals and enhances the quality of reception.



Installed without the use of tools and does not require any circuit changes. Made of genuine Bakelite hand-somely finished in gold and black. Small and compact. Can be installed in any convenient place. **88c**

## I. C. A. Accuratuner

### Band Pass Principle Station Interference Eliminator



With the present day ten kilocycle separation between stations, even many of the finest radio sets, and certainly the usual set, require an interference eliminator for close separation of stations. Shuts out any unwanted station interfering with local reception and in most cases will enable the radio enthusiast to get through the locals and to get the distant station he wants, providing the set could do it with the locals off. Polished bakelite construction. Cat. No. 1444—OUR PRICE ..... **\$1.47**

3 Screen Grid

(Chassis No. 466)  
Complete as Above  
**\$55.75**  
(\$9.00 less, without tubes)

(Chassis No. 520)  
Complete as Above  
**\$59.90**  
(\$9.50 less, without tubes)

(Chassis No. 466)  
Complete as Above  
**\$59.85**  
(\$9.00 less, without tubes)

(Chassis No. 520)  
Complete as Above  
**\$65.25**  
(\$9.50 less, without tubes)

(Chassis No. 466)  
Complete as Above  
**\$65.75**  
(\$9.00 less, without tubes)

(Chassis No. 520)  
Complete as Above  
**\$71.90**  
(\$9.50 less, without tubes)

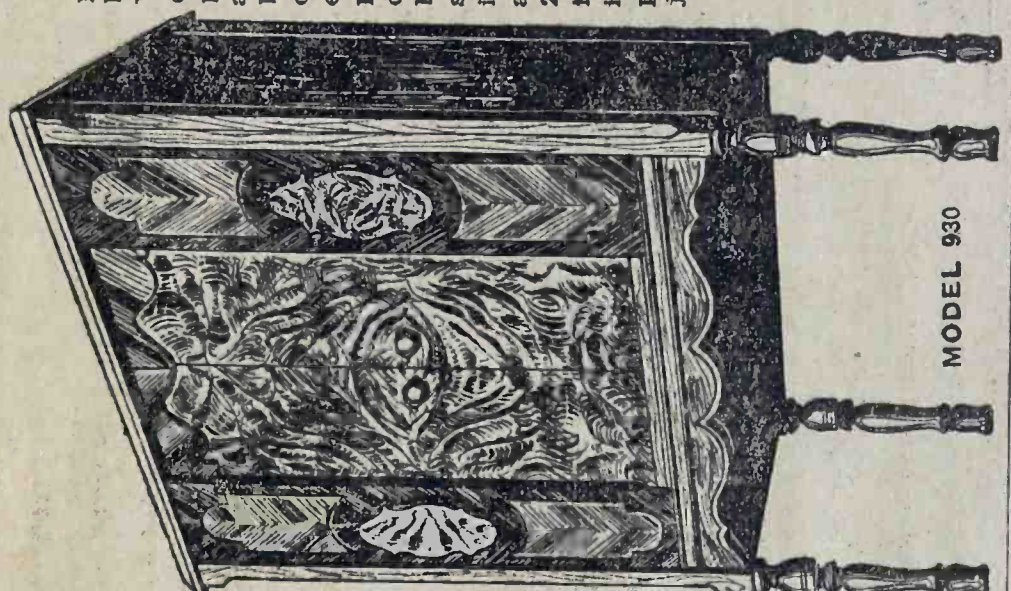
(Chassis No. 466)  
Complete as Above  
**\$62.75**  
(\$9.00 less, without tubes)

(Chassis No. 520)  
Complete as Above  
**\$68.55**  
(\$9.50 less, without tubes)

## 1931 MODEL 9 TUBE A. C. RECEIVER Renaissance French Door Console

Here is your opportunity to really compete with some of the big radio chain outfits, many of whom purchase these very receivers from us! Not only will you compete, but you will also make a handsome profit, as well! There are some stores, right here in New York, selling this identical receiver for as high as \$79.50, and in quantities, too! "COAST TO COASTS" interests are not solely to SELL our dealers and agents merchandise, but to actually help them make real profits!

Requires 3-224,  
2-227, 2-245,  
1-280, 1-voltage  
regulator tubes



MODEL 930

You must see this cabinet to really appreciate the unusual beauty it offers! When the doors are open, the inside panels of same exactly match the embossed design, and oriental walnut panels of the two side doors—note the truly beautiful grain! Set space: 10 1/2 in. x 22 in. x 12 1/4 in. Overall size 43 in. high, 25 1/2 in. wide, 15 1/2 in. deep. Finished in smooth rubbed, piano finish — not just polished.

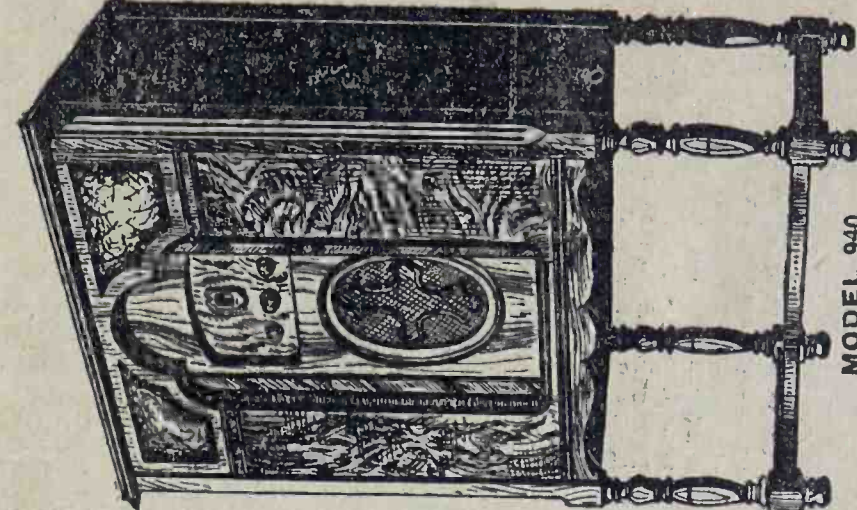
Cat. No. 474  
Value **\$155.00**  
Our Price

**49.50**

With Cat. No. 466 Chassis  
Less Speaker and Tubes

## 1931 MODEL 9 TUBE A. C. RECEIVER Georgian Sliding Door Console

From its very inception the SLIDING DOOR type console gripped the public's fancy. You will observe we offer our agents a wide choice of consoles, so that they in turn can please any purchaser's individual tastes on furniture motif. These consoles are representative of the most skilled craftsmen's design and labor.



MODEL 940

Center matched burl walnut side panels. Top panel of genuine birdseye maple, edge molded, striped mahogany doors with set board of American Walnut 42 in. high, 25 1/2 in. wide, 15 1/2 in. deep. The doors themselves are warranted not to "jam"; they will slide open and shut with hardly any effort! The back of the speaker grille is faced with a perfect baffle of ample thickness.

Cat. No. 473  
Value **\$150.00**  
Our Price

**46.50**

With Cat. No. 466 Chassis  
Less Speaker and Tubes

The speaker compartments in these consoles are made ready to mount any of the MATCHED DYNAMIC SPEAKERS listed on the opposite page.

## Consoles Available Without Set or Speaker

Any of the consoles listed on this page can be purchased without receiver or speaker contained therein. We will furnish them with a plain undrilled set panel.

Cat. No. 471-C  
**\$14.85**

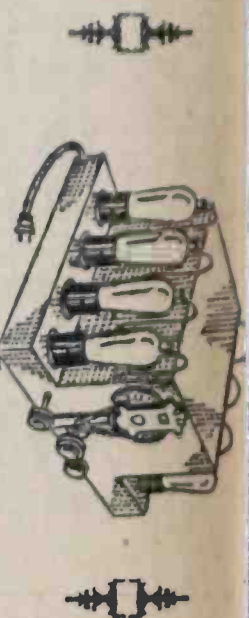
Cat. No. 472-C  
**\$17.50**

Cat. No. 473-C  
**\$18.75**

Cat. No. 474-C  
**\$21.55**

RADIO SWITCH: ON-OFF, ON-OFF, ON-OFF. ILLUMINATED FAN-TYPE SPRING TENSIONED BRASS BAND (never-slip) DRUM DRIVE—vernier operated! PHONO-TIP JACK! Long and Short Antennal SHIELDED SCREEN GRID INDUCTANCES, with individual R.F. chokes and by-passed! Tuning condenser in shielded compartment! THORNTON A.C. POWER TRANSFORMER AND CHOKE. LAVA WIRE WOUND VOLTAGE DIVIDER. TOBE "SURGE-PROOF" FILTER CONDENSERS. EBY WAFER SOCKETS. T.C.A. PUSH-PULL TRANSFORMERS. SPEAKER TIP JACKS.

SIDE VIEW WHEN ASSEMBLED



inet, or behind a closet door, under a dining table, in a book-case, or in any other ingenious manner. You own requirements. We can furnish a MANTLE TYPE CABINET (with speaker grille) for \$5.75, a CONSOLE for \$10.75, or a FULL SIZE CONSOLE for \$13.50!

**A. C. Tubes Required**

4-224, 1-227, 2-245, 1-280

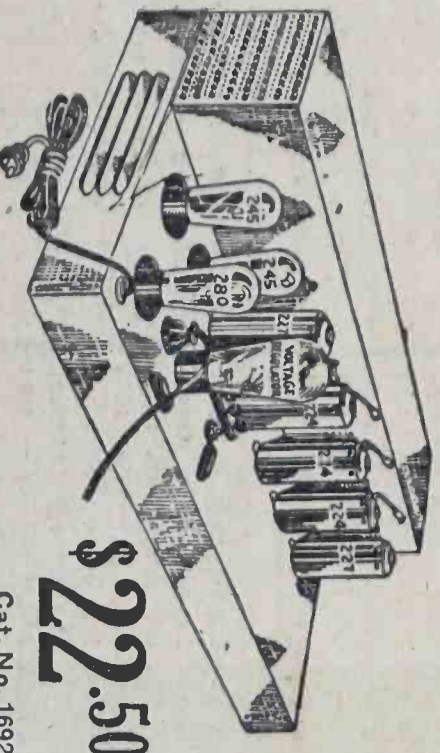
# BUILD A 9-TUBE THREE SCREEN GRID A.C. SET TUBES FREE FROM PEERLESS PARTS TUBES FREE

Our big MERCHANDISING SCOOP! For the first time, it is possible to purchase a COMPLETE KIT OF PEERLESS PARTS (in a fully assembled state)! And mind you, this kit contains many of the parts that were used in the PEERLESS A.C. RECEIVERS, some of which retailed from \$165.00 to \$600.00, their PHONO-RADIO COMBINATION! Astounding value—yes, without a doubt! HIGHEST QUALITY, yes again. For the man who is in the market for a BIG-MODERN-ULTRA-POWERFUL and SENSITIVE A.C. RECEIVER—THE VERY LAST WORD IN RADIO—his selection must logically be this PEERLESS KIT!

**Circuit Employed Assures  
Most Perfect Radio Reception!**

Contains FOUR MICRO-SYNCHRONOUS TUNED RADIO FREQUENCY CIRCUITS, each stage having an individual R.F. choke and by-pass condenser, enabling MAXIMUM GAIN PER STAGE WITHOUT FEEDBACK OR AUDIBLE OSCILLATION! Due to the tremendous gain developed, it has been found imperative to employ a POWER DETECTOR, allowing LINEAR RECTIFICATION, and incidentally, passing on to the mammoth audio amplifier system, an enormous output, free of any distortion! In the usual type of modern A.C. receivers, built DOWN TO A PRICE, the output of A LINEAR POWER DETECTOR is fed directly into only one AUDIO STAGE—we have fed the output of the POWER DETECTOR INTO A LOW GAIN 1st AUDIO Stage. The resultant audio signal, developed in the 1st A.F. Stage, could satisfactorily operate a DYNAMIC SPEAKER; however, the dominant thought in the design of this receiver, was to produce one capable of satisfactory auditorium reproduction. This was accomplished by feeding the OUTPUT OF THE 1st A.F. Stage into a MAMMOTH PUSH-PULL POWER STAGE, using two 245 TUBES! An absorption system of VOLUME CONTROL, prevents pre-rectification, AND CONSEQUENT "CROSS-TALK." The audio circuits are heavily by-passed, to permit maximum reproduction of low tones! The use of THREE SCREEN-GRID TUBES assures EXTREME SENSITIVITY (3,000 mile reception often possible) and SELECTIVITY (razor-edge tuning) often permitting D-X reception right through LOCALS!

SHIPPED SEMI-ASSEMBLED



**\$22.50**

Cat. No. 1692

ANY NOVICE CAN EASILY WIRE THIS SET

Due to assembled condition of chassis, and self-explanatory blueprints and wiring instructions furnished, the wiring of this receiver is a pleasant and simple task to look forward to.

**A. C. Tubes Required**

3-224, 2-227, 2-245, 1-280, and 1 Amperite Voltage Regulator Tubes

**FREE SET OF EIGHT FREE**  
**R.C.A. LICENSED TUBES**  
**INCLUDED FREE!**

With every purchase of this receiver, we give absolutely FREE, a set of 8 R.C.A. LICENSED TUBES (voltage regulator not included), making this offer IMPOSSIBLE TO RESIST!

Other Outstanding Features

PHONO-RADIO SWITCH, automatically controlled by position of ILLUMINATED TUNING DRUM DIAL (KILOCYCLE CALIBRATED). BATH-TUB, individually shielded and compensated, FOUR GANG VARIABLE CONDENSER, vernier controlled. ALL VITAL TUBES (5 of them!), and INDUCTANCES, are INDIVIDUALLY AND COMPLETELY SHIELDED. Long and short Antenna provision. PHONO-TIP JACK bolted to HEAVY "silvered" STEEL CHASSIS, 21 in. long, 12 in. deep, 8 1/4 in. high. Provision for ADDITIONAL SPEAKER (2 can operate at once!)

**Over-size Power Pack!**

Generously proportioned, HEAVY DUTY POWER TRANSFORMER; HIGHLY INDUCTIVE CHOKE; HIGH VOLTAGE FILTER BLOCK; HEAVY DUTY WIRE WOUND VOLTAGE DIVIDER SYSTEM. LINE VOLTAGE CONTROLLED automatically!

**Furnishes Field Current for Dynamic Speaker**

The A. C. Power Transformer is designed to furnish not only the necessary "A-B-C" current requirements for the receiver itself, but due to its generous proportions and highly engineered design, it will also furnish D. C. VOLTAGE TO A FIELD COIL OF A D. C. TYPE DYNAMIC SPEAKER! This current is, of course, purely filtered and rectified, by virtue of the 280 RECTIFIER TUBE in the power pack, PLUS the FILTER CONDENSERS employed. If it is desired to use an A. C. type Dynamic Speaker instead, it will be merely necessary to REPLACE THE D. C. DYNAMIC SPEAKER FIELD with a suitable FILTER CHOKE COIL of like resistance! We can supply such a choke for \$2.25 additional. Also operates Magnetic Speakers!

**Matched Dynamic Speaker**

We can furnish a 9-inch MATCHED DYNAMIC SPEAKER of EXCEPTIONAL REPRODUCTIVE ABILITIES.

Cat. No. 1691. OUR PRICE (with chassis only) **\$6.95**  
You can use any other 110 volt D.C. Dynamic Speaker listed in this catalog.



# Here Is the Finest in Radio! We Are the First to Offer a "Midget" Kit: 8 Tube—4 Screen Grid—245 Push Pull—Semi-Assembled

## A.C. RECEIVER — MIDGET PROPORTIONS — MIGHTY PERFORMANCE

It is our sincere belief that we are the first to offer A CUSTOM DESIGNED MIDGET RECEIVER IN KIT FORM. The dominant thought in the engineering of this receiver was to duplicate in KIT FORM, only the MIDGET PROPORTIONS of the now universally popular MIDGET RECEIVERS—however, we HAVE ACTUALLY DUPLICATED THE PERFORMANCE, AND RESULTS OF THE LARGEST SIZE MULTI-TUBE A.C. RECEIVERS! That we have SUCCEEDED in our efforts, has already been attested to by renowned Engineers and Dealers,

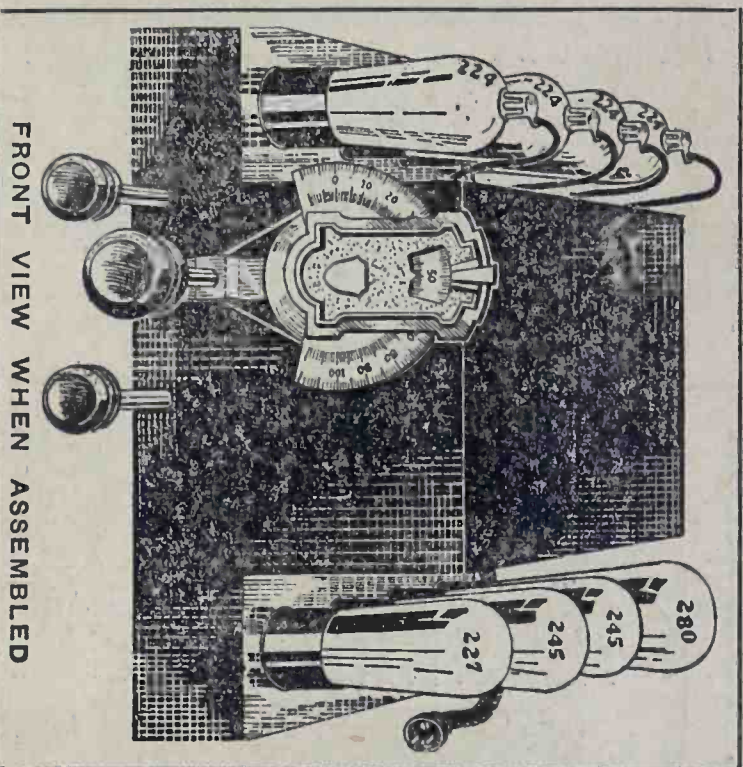
**Can Be Easily Wired by Any Novice**  
—Due to Semi-Assembled Form and Self-Explanatory Instructions

The Audio and A.C. Power Transformers, Filter Choke and Condensers, eight sockets, Voltage Divider, etc., etc., have been fastened to their respective and proper positions, in the chassis, thereby reducing CONSIDERABLY the subsequent assembly. The wiring itself is further simplified by appropriate use of vari-colored leads throughout, easily referred to in the readily understood wiring instructions and pictorial diagrams furnished...

**Employs Ideal and Ultra-Efficient Circuit, Surpassing Many Big Sets!**

Imagine the remarkable reception made possible by the use of FOUR SCREEN GRID TUBES in the radio frequency and DETECTOR tuning stages! The enormous output of the 3rd R.F. Stage is fed into a SCREEN GRID LINEAR POWER DETECTOR, which is absolutely essential to properly rectify the tremendous radio frequency signal, without introducing the slightest trace of distortion to the audio amplifier! This amplifier consists of a 1st stage, RESISTANCE COUPLED, using a 227 tube, which in turn is TRANSFORMER COUPLED TO TWO 245 POWER TUBES IN PUSH-PULL.

**Outstanding Features—Usualy Found in Most Expensive Receivers Only!**



FRONT VIEW WHEN ASSEMBLED

### The Miracle Receiver of 1931

**Amazing Wholesale Prices**

Cat. No. 1705. COMPLETE SEMI-ASSEMBLED eight TUBE KIT not wired, less tubes and DYNAMIC Speaker.

**\$19.75**

**Matched Dynamic Speaker**

Cat. No. 1706. Exactly MATCHED FOR THIS RECEIVER. 9-in. diameter overall (7 in. baffle hole required), and 4½ in. deep..... **\$4.95**

**Set of 8 R.C.A. Licensed Tubes**

Cat. No. 1707. 4-224, 1-227, 2-245, 1-280 ..... **\$3.75**  
(Only sold with kit at this price)

**Furnishes Field Current for a Jensen or Rola Dynamic Speaker!**

Provides optional use of a D.C. DYNAMIC SPEAKER (using its field as one of the necessary filter chokes) or, an A.C. DYNAMIC (requiring an additional choke—\$2.10 additional). Whereas any good 2,225 ohm D.C. dynamic speaker may be used, we advisedly suggest the use of the SPECIAL JENSEN (or ROLA) MATCHED DYNAMIC, with self-contained VOICE COIL MATCHED IMPEDANCE TRANSFORMER! We stock these speakers under Cat. No. 1706—your net cost, only \$4.95.

**Produces Maximum Undistorted Volume, with Uncanny Fidelity of Reproduction!**

Again we wish to bring to your attention that by the use of a SCREEN GRID POWER DETECTOR, "overloading" is IMPOSSIBLE, regardless of the INTENSITY OF THE IMPRESSED SIGNAL! At the same time, the detection of WEAK SIGNALS IS ENORMOUSLY AMPLIFIED, contributing largely to long distance reception. The impossibility of "over-loading" the SCREEN GRID POWER DETECTOR precludes the introduction of the slightest trace of distortion, during rectification. To further build up a PURE-UNDISTORTED AUDIO SIGNAL, the output of the detector is ingeniously RESISTANCE COUPLED to the next A.F. stage! The resultant reproduction is so amazingly LIFE-LIKE, that it takes a strong imagination to realize that you are actually NOT PRESENT IN THE VERY ROOM WHERE THE ORIGINAL BROADCAST IS BEING SENT OUT THROUGH A MICROPHONE!

**Modern Chassis Construction**

Sturdily built around a durable, beautifully black DUCO FINISHED, STEEL CHASSIS, which measures only: 13 inches long, 9 inches deep, 6½ inches high. To appreciate and visualize the remarkable compactness of this receiver, draw on paper the dimensions just referred to!

**Can Be Easily Installed in Any Mantel Cabinet, Console, or Senior Size Console**

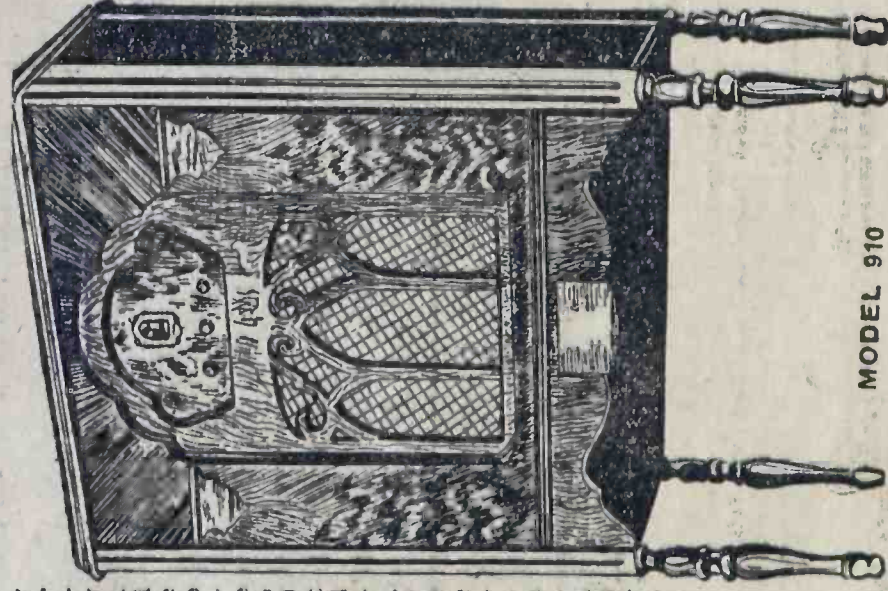
Engineered DOWN to such a compact size to enable the

# 3 AND 4 SCREEN GRID 9 TUBE A.C. SETS

## 1931 MODEL 9 TUBE A. C. RECEIVER

### Hampton Model Console

To judge this exquisite console combination by its seemingly impossible low price is the worst injustice you could do yourself! We know for a fact we could sell considerably more of these consoles were we to price them \$20.00 higher—any student of psychology will verify this astounding statement! And, at \$59.50, they would still be considered low priced! But, we are shrewd merchants, and our policy of Tremendous Volume, Small Profits has justified these rock-bottom prices on all our console radio ensembles.



MODEL 910

Requires: 3—224,  
2—227, 2—245,  
1—280, 1—voltage  
regulator tubes

Cat. No. 471  
Value \$140.00  
Our Price

**39.50**

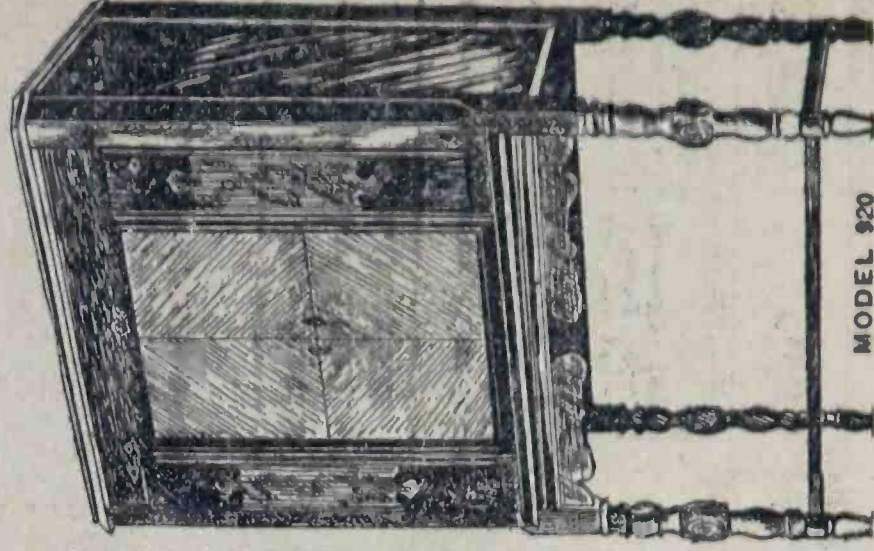
With Cat. No. 466 Chassis  
Less Speaker and Tubes

Purchase 6 to 12 of these receivers and place them in as many homes as you can! Who could resist the purchase of this most superior Radio Set! A handsome piece of furniture and not just ordinary radio cabinet. Burr walnut panels with satin wood and maple overlay. Smooth, highly rubbed Piano Finish. Panel Size: 10 1/4 in. x 22 in. x 13 1/2 in. Overall size: 42 in. high, 25 1/4 in. wide, 15 1/2 in. deep. Note the highly attractive grain effect!

## 1931 MODEL 9 TUBE A. C. RECEIVER

### Tudor Highboy Model Console

Here is further proof of our established leadership among the many thousands of dealers and agents throughout the country! We have seen consoles themselves, similar to the TUDOR, sold in New York's smartest furniture salons for the price we ask for both the console and 9 tube radio receiver. It will pay you to confine all your purchasing with "COAST TO COAST."



MODEL 920

Value \$145.00

Requires: 3—224,  
2—227, 2—245,  
1—280, 1—voltage  
regulator tubes

Cat. No. 472  
Our Price

**43.50**

With Cat. No. 468 Chassis  
Less Speaker and Tubes

# COMPLETE COMBINATION OFFER

The four consoles illustrated on this page are available with choice of 3 or 4 Screen Grid Chassis, choice of matched Jensen Peerless or Rola Dynamic Speaker, and set of matched R.C.A. Licensed Tubes, including Amperite Tube

Voltage Regulator. At the net prices quoted in the eight boxes below we ship you a receiver, READY FOR IMMEDIATE OPERATION. (We assume you have an antenna system now installed. If you have not, include \$1.00 additional for a suitable aerial kit.)

Hampton

Tudor

Renaissance

Georgian

# WE SMOKE OUT COMPETITION!



# 3 and 4 SCREEN GRID A.C. SETS

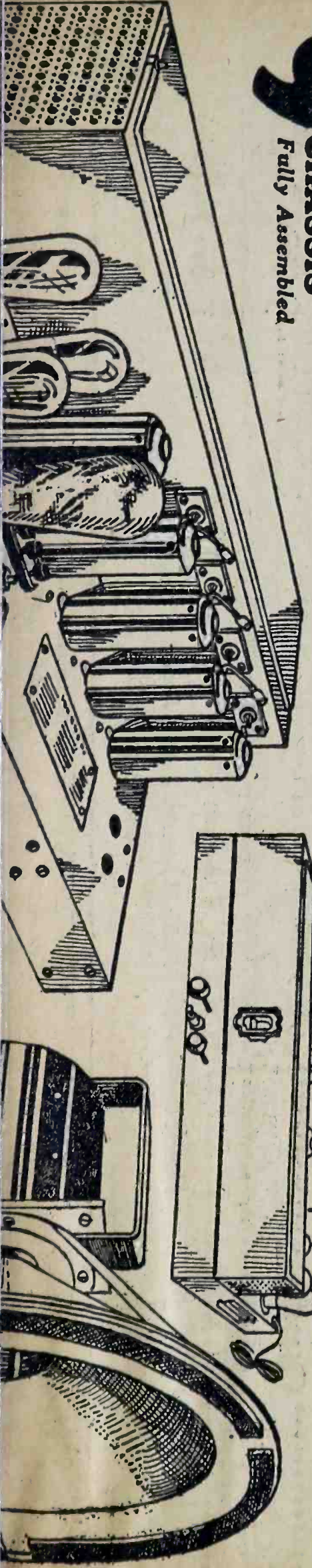
Our Agreement with the firm from whom these sets were purchased prevents name of set being mentioned!

Despite the seemingly ridiculous low price for which these receivers are being sold, they carry our Unconditional Guarantee for one full year!

**9 TUBE CHASSIS**  
Fully Assembled

Console Combinations Listed on Opposite Page

**PUSH-PULL 245**



## FOUR SCREEN GRID MODEL

Employs a SCREEN GRID, LINEAR POWER DETECTOR TUBE. Instead of the conventional 311 tube detector; this greatly improves the fidelity of reproduction, selectivity and sensitivity. Produces enormous, distortionless volume! Provides uncanny sensitivity—long distance stations come in like locals! Last, but not least, long distance stations can be tuned in right through local, by virtue of its unusual selectivity! Requires: 4-224, 1-227, 2-245, 1-250, 1-Ampertite voltage Regulator tubes.

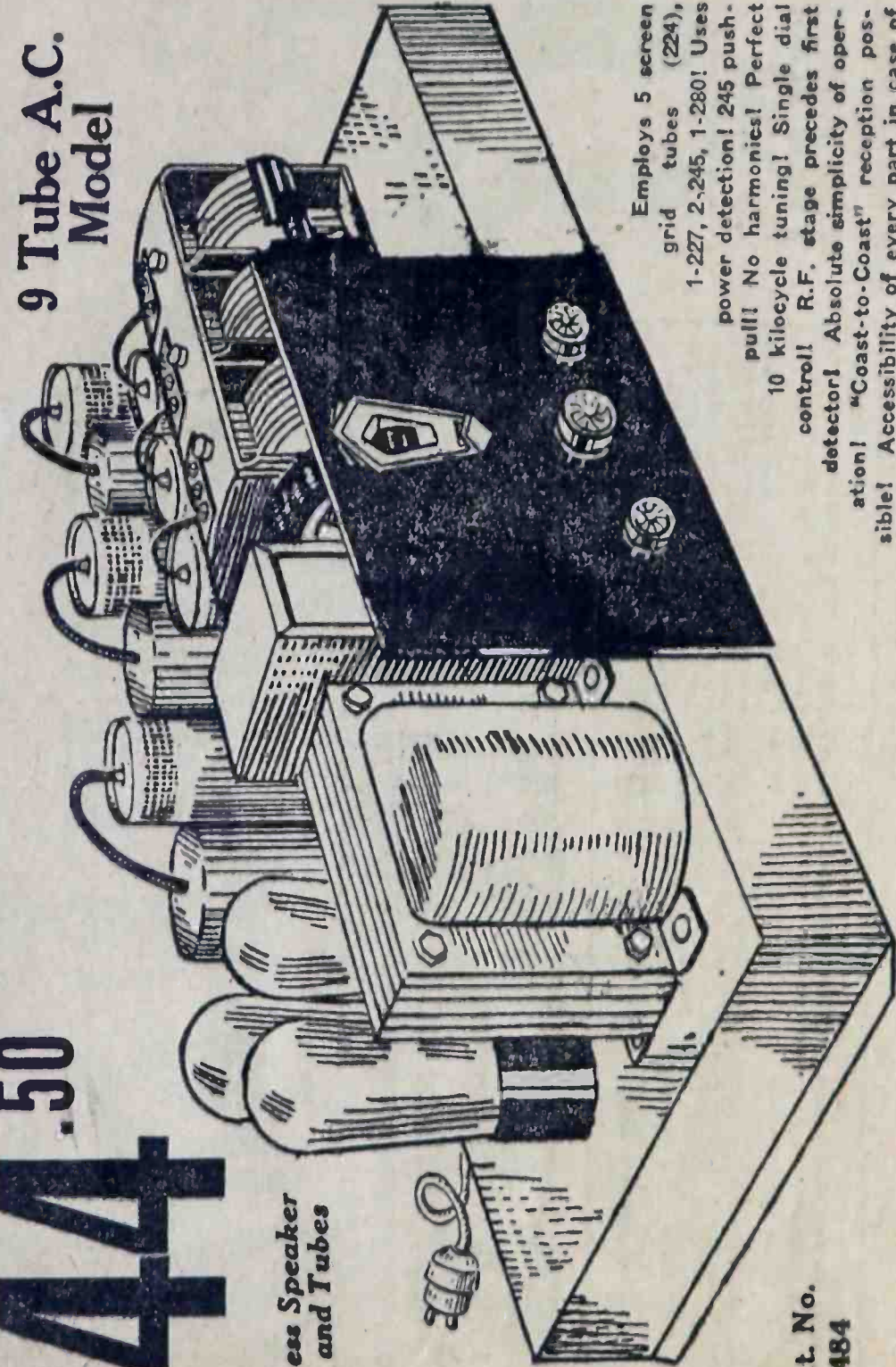
Cat. No. 520 (Less tubes and speaker)..... **\$38.50**  
 Cat. No. 514. Set of 3 R.C.A. Licensed Tubes, and one Ampertite Voltage Regulator Tube ..... **\$10.27**

# SILVER-MARSHALL "SUPER-HETS"

## \$44.50

Less Speaker and Tubes

9 Tube A.C. Model



Cat. No. 484

### Guarantee

This receiver is fully guaranteed by both the manufacturer and this organization—every satisfaction is assured your customers.

### Heavy Duty Power Pack

All parts used in the self-contained power supply are designed for much heavier duty use. You are therefore assured continuous service, without breakdown.

Silver-Marshall  
A.C. Super-Heterodyne

### "Single Spot" Tuning

Unlike the earlier models a station is received AT ONLY ONE POINT ON THE SINGLE, ILLUMINATED TUNING DIAL! Any child can successfully operate it! Coast to coast reception! Here are some of its exclusive features: Hair-splitting selectivity (with no cutting of "side-bands," permitting perfect, undistorted reproduction between 40 to 6,000 cycles)—enormous A.C. power pack—perfectly shielded throughout—provides 110 volt D.C. dynamic speaker field current—"auditorium" volume 245 push-pull amplifier—perfectly "peaked" at 175 K. C. at the factory, assuring 100% PERFECT SUPER-HETERODYNE PERFORMANCE AND RESULTS—RIGID CHASSIS CONSTRUCTION. R.C.A. LICENSED.

### MATCHED DYNAMIC SPEAKER

Furnishes D. C. field voltage to a 1900 ohm dynamic speaker—we recommend that one

### Made by Jensen

For absolute, life like reproduction, use the speaker specially designed to MATCH the output characteristics of this receiver. It will only cost you \$9.00—and is certainly worth it! Has a 1900 ohm field (obtains the 110 volts D.C. from the power pack in the receiver). This speaker is illustrated and described elsewhere in this catalog.

Cat. No. 1325—JENSEN MATCHED DYNAMIC SPEAKER ..... \$9.00

Overall Dimensions: 13 inches across metal frame. Buffer tube required: 9 in. to 10 1/4 in. 5 1/4 in. deep. Requires an unusually large magnet core: 1 1/2 inches in diameter.

### A. C. Tubes Required

Requires 5—224, 1—227, 2—344, 1—280

Cat. No. 134—Set of 9 Matched R.C.A. Licensed Tubes ..... \$9.50

Employs 5 screen grid tubes (224), 1-227, 2-245, 1-280! Uses power detection! 245 push-pull! No harmonics! Perfect 10 kilocycle tuning! Single dial control! R.F. stage precedes first detector! Absolute simplicity of operation! "Coast-to-Coast" reception possible! Accessibility of every part in case of servicing necessity! Local-Long Distance switch! No audible oscillation or radiation!

### CHASSIS DIMENSIONS:

20 1/2 in. long, 10 1/4 in. deep, 7 1/4 in. high

Fully Assembled and Ready for

Immediate Use

## SPECIAL OFFERS

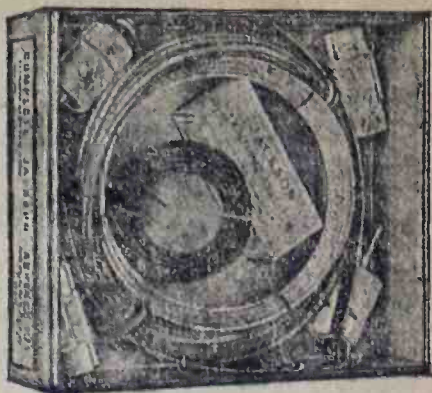
Silver-Marshall  
A.C. Super-Heterodyne

### Aerial Kits

Cat. No. 1708  
 Contains: One coil  
 7/24 stranded copper  
 aerial; 25 ft. rubber  
 covered lead-in wire;  
 25 ft. ground wire;  
 2 porcelain insula-  
 tors; 2 Nailit knobs;  
 1 window lead-in  
 strip; 1 ground  
 clamp.

Per Kit,  
**50c**

**\$5.50 per dozen**



Cat. No. 1709  
 Contains: One coil 7/24 stranded copper aerial; 50 ft.  
 No. 16 rubber covered lead-in wire; 25 ft. No. 18 ground  
 wire; 1 approved lightning arrester; 1 copper ground  
 clamp; 1 lead-in strip; 2 porcelain insulators;  
 2 Nail-it knobs. Per kit..... **70c**  
**\$8.00 per dozen**

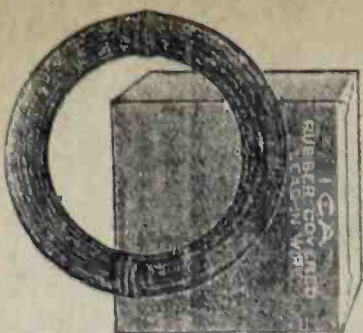
### Copper Aerial Wire

—Lots of—  
 1 12 25 100  
 Cat No. 1710. 22c 18c 17c 15c  
 7 strand, No. 24, copper  
 Cat No. 1711. 35c 28c 26c 25c  
 7 strand, No. 27, copper  
 Cat No. 1712. 38c 31c 29c 27c  
 7 strand, No. 24, enameled  
 Cat. No. 1713. 50c 40c 38c 36c  
 7 strand, No. 22, enameled



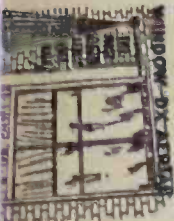
### Rubber Covered Solid Lead-in Wire

—In lots of—  
 1 12 25  
 Cat. No. 1714. \$0.18 \$0.17 \$0.16  
 50 ft roll.....  
 Cat. No. 1715. 100 ft roll..... .38 .36 .31  
 Cat. No. 1716. 500 ft. roll..... 1.65 1.60 1.55



### D-X Window Cage Aerial

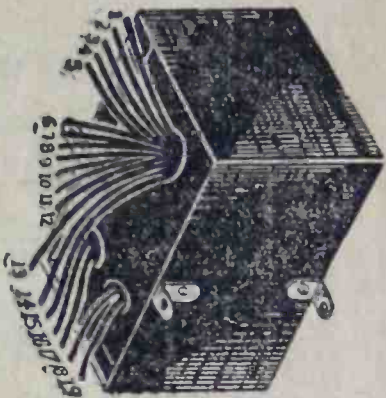
Contains 75 ft. 7 strand enam-  
 eled copper aerial wire. Com-  
 pletely assembled—ready to set  
 up. More than ample pick-up



## Radax-Thordarson A.C. Power Transformer and Filter "Choke" Compact

Available for 171A  
 —245 and 250  
 Power Packs!

THE RADAX LAB-ORATORIES have per-  
 fected a group of  
 POWER COMPACTS  
 to serve every possible  
 power pack require-  
 ment and equipped with  
 a universal mounting  
 arrangement, in that  
 brackets, riveted to  
 both the top and bot-  
 tom, provide for mounting this apparatus so that the  
 vari-colored leads are brought under a sub-panel, or  
 through the top. THORDARSON POWER TRANS-  
 FORMERS and FILTER CHOKES ARE ONLY USED,  
 and they are enclosed within a pitch filled, heavy  
 gauge metal case, in a variety of sizes to suit any me-  
 chanical requirements. Self-explanatory diagram in-  
 cluded with each unit. Ideal for general replacement  
 purposes, or for use in new sets and power packs. All  
 transformers are properly center tapped.



### 171-A MODELS

Cat. No. 1422—Contains A.C. Power Transformer for  
 5-226, 1-227, 1 or 2-171-A, 1-280 (550 volt secondary),  
 and TWO 30 HENRY CHOKES. 5 5/8 in. long, 4 3/4  
 in. wide, 4 in. high..... **\$5.50**  
 Cat. No. 1423—Same as Cat. No. 1422, but furnished in  
 a case 5 7/8 in. high, 3 3/8 in. wide,  
 4 3/4 in. long..... **\$5.50**

Cat. No. 1424—A.C. Power Transformer for 5-226, 1-227,  
 1 or 2-171-A, 1-280 (550 volt secondary) and ONE 30  
 HENRY CHOKE. This model is intended for A.C. Sets,  
 using a 110 volt D.C. dynamic field coil AS THE OTHER  
 CHOKE. State resistance value of D.C. dynamic speaker  
 field. Mounted in case: 5 3/8 in. long, 4 3/4 in.  
 wide, 4 in. high..... **\$5.00**  
 Cat. No. 1425—Same as Cat. No. 1424, but furnished in  
 metal case: 5 7/8 in. high, 3 3/8 in. wide,  
 4 3/4 in. long..... **\$5.00**

**NOTE.—Special model available with two  
 separate 1 1/2 volt filament windings for  
 \$1.75 additional.**

### 245 MODELS

Cat. No. 1426 A.C. POWER TRANSFORMER for 3 or  
 4-224, 1 or 2-227, 1 or 2-245, 1-280 (660 volt secondary)  
 and TWO 30 HENRY FILTER CHOKES.  
 5 5/8 in. long, 4 3/4 in. wide, 4 in. high..... **\$6.75**

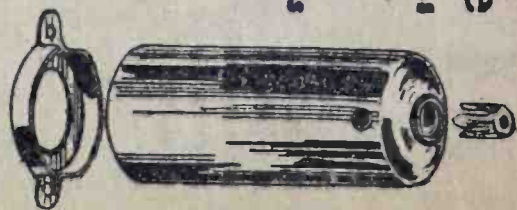
### Shield, Cap and Base

for Screen Grid 224 and 227 Tubes  
 Can be used on any set to minimize in-  
 terstage pick-up.  
 Cat. No. 236

**20c per complete set of 3 pieces**

Parts are also sold separately as fol-  
 lows:

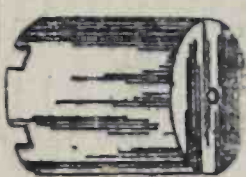
Cat. No. 237. **15c**  
 SHIELD .....  
 Cat. No. 237A **5c**  
 CAP .....  
 Cat. No. 237B. BASE FOR  
 SUB-PANEL SOCKETS..... **5c**



### Aluminum Shields

For Shielding Coils  
 Diameter 2 1/4 in. Height 2 1/4 in.  
 Cat. No. 235

**\$1.00**  
 per dozen



### Neutralizing Tools

Small socket wrench works on the following  
 radio receivers: Majestic,  
 Freshman, Freed-Eiseman,  
 Stromberg-Carlson, Spar-  
 ton, Philco, Amrad, Crosley, Bosch and Fada. Larger  
 socket wrench works on Zenith sets. Screw driver  
 works on Girard, Radiola, Victor, General Electric, West-  
 inghouse, Graybar, Brunswick and Atwater Kent, etc.  
 The other end of the screw driver is a special magnetic  
 steel for picking up and placing of screws, bolts, nuts,  
 washers, etc., and fits into duplex wrench, when not in  
 use. Also ideal for aligning of condensers.  
 Cat. No. 455

**Our Price Per Set 90c**

### Dynamic Speaker Filter

2000 Mfd. Dry Electrolytic

Serves same purpose as Elkon "A" con-  
 denser. 2 3/16"x2 7/8"x6", metal case. For all  
 "A" eliminators as well.

Cat. No. 293 **Our Price \$2.80**



### Screw-Holding Screw Driver

# RADAX 1931 MODEL 3 or 4 SCREEN GRID TUNER

There has been a crying demand for this tuner: The dealer often has several types of power amplifiers on his shelf. By using this RADAX SUPER TUNER in conjunction with such amplifiers, a complete A.C. receiver of exceptional merit is the result! Set builders are realizing BIG PROFITS ripping out old, out-of-date tuning systems in their customers' radio receivers and installing instead this tuner. In fact, any old set, so improved, becomes a modern receiver! The 4 Gang Condenser is perfectly matched, and provided with compensators. Perfectly shielded inductance coils. Note proximity to tube sockets for SHORT LEADS. Single ILLUMINATED TUNING DIAL. Each tube is also FULLY SHIELDED. Tone control feature. LINEAR POWER DETECTION. Terminal cable enables rapid connection to any amplifier. You will MARVEL AT ITS UNCANNY SELECTIVITY (distance right through locals!) and SENSITIVITY (coast to coast reception often possible!) Requires either 3—224 Screen Grid Tubes and 1—227, or 4—224 Tubes (one being used as a screen grid detector!) Diagram furnished shows choice of 227 or 224 LINEAR POWER DETECTION!

Extremely Compact! Only 11¼ in. Long, 6¼ in. High, 8 in. Deep

Your Choice

Cat. No. 431  
For A.C. Tubes  
Value  
\$60.00

Cat. No. 432  
For 6-volt  
"A" Battery  
Requires 3—222,  
1—201A

Cat. No. 433  
For 110 volts D.C.  
(uses same tubes  
as A.C. model)

Cat. No. 421—Thordarson 2½ volt, 2 winding \$3.15  
filament transformer (A.C.).....

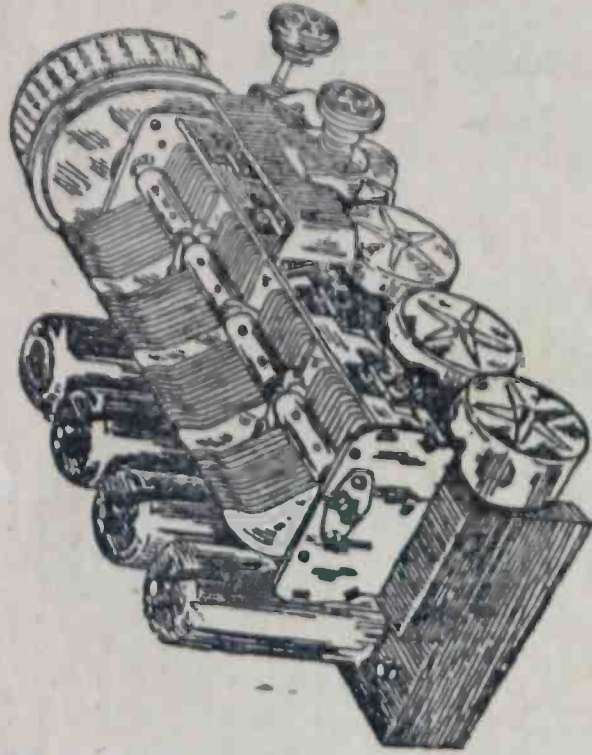
# \$15.75

EACH  
LESS TUBES

Semi-assembled. Can be wired by any novice with no trouble. Requires external A.C. Power Supply filament (2½ v. A.C.) and plate voltage 67 and 110 volts "B."

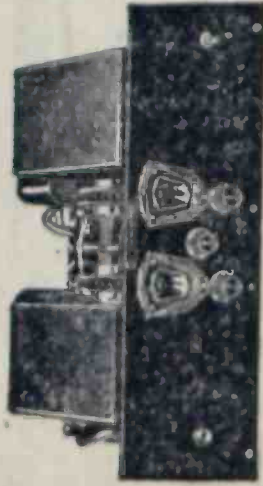
**NOTE**

Do not judge the quality of this tuner by its price—no more virtues to make a most exceptional buy! The quantity is limited, so act fast.



I.C.A.

## "Conqueror" Short Wave 5 Tube Set



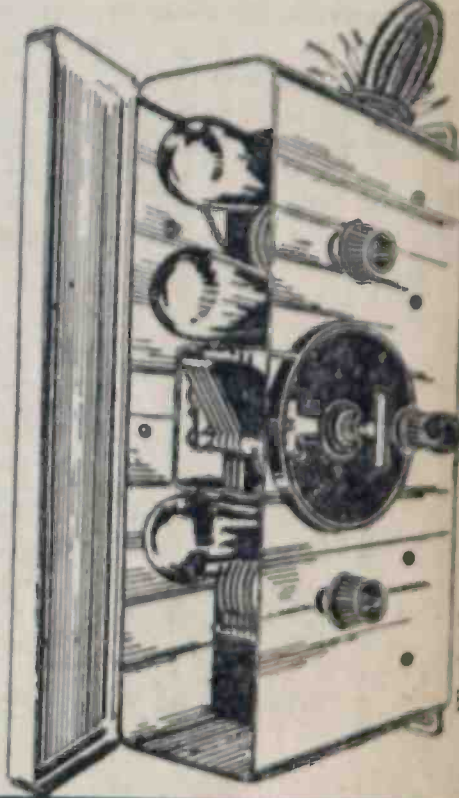
For either A.C. operation (requiring 1-224, 3-227, 1-245 A.C. tubes) or battery operation (requiring 1-222, 1-201A, 2-112A, 1-171A tubes). NO BOOSTER REQUIRED! USES ONE SCREEN GRID R. F. STAGE plus regenerative detector, feeding into THREE FULLY STABLE and CONTROLLED AUDIO STAGES, INCLUDING ONE POWER TUBE STAGE. WILL WORK ANY DYNAMIC OR MAGNETIC SPEAKER! Imagine, 10,000 mile reception possible through a loud speaker! Eight PLUG-IN coils (same type as used on all commercial equipment) are included—cover range of 14 to 157 meters. These coils are illustrated below. S.W. BATH TUB CONDENSERS USED! NOTE COMPLETE SHIELDING. There is very little wiring to be done—no soldering iron required—no special mechanical skill—only a screw-driver necessary! Fully detailed blue prints and assembly charts included. 7 x 18 x 10½ in. battery model requires 180 volts "B," 40 volts "C," 6 volt storage battery, A.C. model requires special power pack

Cat. No. 1401-48—BATTERY model, less tubes. OUR PRICE..... **\$37.50**

Cat. No. 1400-47—A.C. model, less pack and tubes. OUR PRICE..... **\$37.50**

Available in Semi-Assembled and Completely Assembled Models

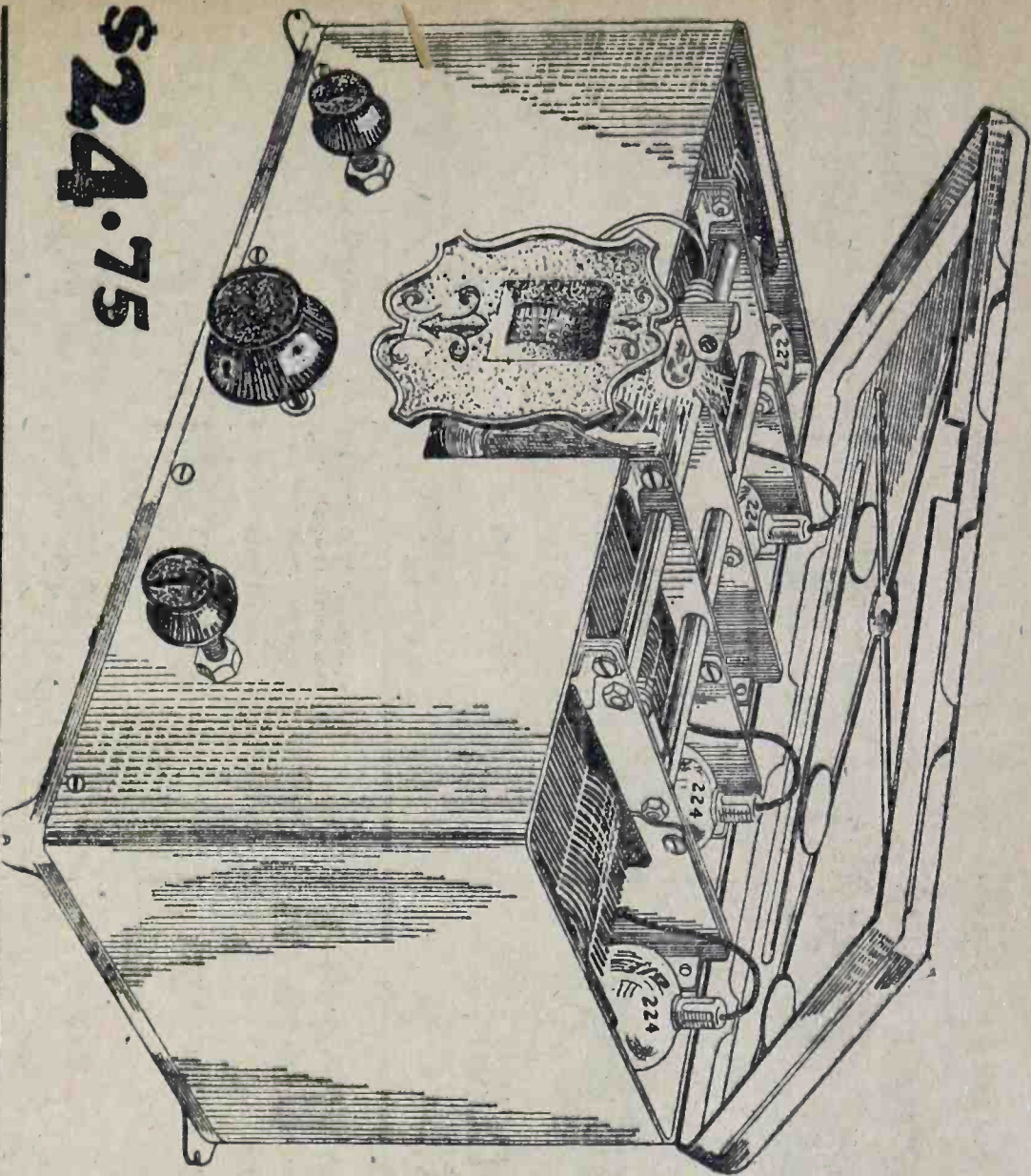
# RADAX 3 TUBE BATTERY MODEL SHORT WAVE RECEIVER EMPLOYS ONE SCREEN GRID TUBE



The thrill of "listening in" to short wave stations, longed for in many foreign countries and shores, is now no longer confined to those who have had to spend very high prices for short-wave receivers in the past. The RADAX short-wave set employs many of the best principles which are an inherent part of very much more costly models, and yet its cost is truly insignificant in comparison to the remarkable value offered! Here are some of its valuable features: Employees space charge amplification feature, which greatly contributes to reduction distortion, maximum gain and no feed-back possibilities. Note the generous air variable tuning dial, supported by two induct variable condensers (one controlling reproduction and the other serving as an automatic tuning device). Four plug-in short-wave coils included with following ranges: 16 to 26 meters, 27 to 33 meters, 34 to 40 meters, 41 to 55 meters. (A special broadcast transformer and 240 to 250 volt, 60 cycle power supply for 110 volt operation.)

Illustration shows and shows Screen Grid Tubes in place. Model—RADAX 3-tube BROADCAST RECEIVER.

# 1931 Improved Loftin-White Super-Screen Grid A. C. Tuner



Embodies four highly efficient tuned circuits, capacitatively coupled to each other. Of such design to permit maximum amplification and thorough stability over entire broadcast band. Impossible to produce oscillations! Each complete R. F. stage unit individually and completely shielded! Contains antennae compensator condenser which sharpens and broadens tuning at will. Volume control increases or decreases coupling between third R. F. and detector circuits. Superbly engineered and excellently constructed. Easily coupled to any amplifier. An exceptionally fine DX tuner!

### Employs Linear Power Detection

Maximum detection with no trace of distortion is produced by the incorporation of power detection, in place of the now out of date and considerably less efficient conventional grid leak and condenser arrangement. Using power detection the most distant stations can be picked up and passed on to an amplifier to be reproduced with startling volume and clarity.

### Contained in a Fully Shielded Metal Box with Removable Cover

To insure maximum shielding from extraneous and inter-stage sources the entire tuner is housed in a very attractive metal box, 13 1/2 in. long, 6 3/4 in. high, 6 in. deep. The four variable condensers (provided with compensators) are separately housed and tuned by a single illuminated dial. This tuner may be operated right out on a table or set behind any console panel, the three control shafts being made exceptionally long for this purpose. Note the attractive escutcheon drum dial plate that is included.

Cat. No. 1144—Special Thordarson 2 1/2 Volt 16 Amp. A.C. Filament Transformer (two such secondaries).....

**\$4.75**

### Choice of Three or Four Screen Grid Tubes

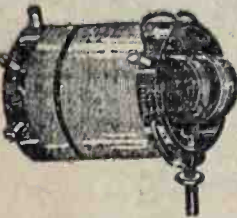
Two models are available for screen grid operation—one, uses 4-224 screen grid tubes, in this instance the screen grid linear power detector cannot be coupled to an audio frequency transformer coupled first A. F. stage, but must be coupled to a resistance coupled first A. F. stage—or to any Loftin-White direct coupled amplifier system. The other model uses 3-224 screen grid tubes and 1-227; this model can be coupled to any type first A. F. stage. Requires external A.C. filament supply and plate voltage—all connections are made to a suitably coded cable.

### All Models Completely Assembled and Wired

- Cat. No. 1285—Requires 4-224 S. G. A. C. Tubes..... **\$26.75**
- Cat. No. 1201—Requires 3-224 S. G. and 1-227 A. C. Tubes..... **\$24.75**
- Cat. No. 1302—Requires 4-227 A. C. Tubes..... **\$22.50**
- Cat. No. 1203.—Requires 3-222, 1-201A battery tubes. For 6 V. current source..... **\$24.75**

## "Silver-Plated" 3 Circuit Tuner and R. F. Coil

Unique tapped primary permits use with screen grid or regular tubes. Also provision for long and short antenna. Moulded bakelite tubing, space wound. Single hole mount. Pig-tail leads. 185 to 550 meters.



.0005 mfd. condenser required. 6 modern hook-ups included. Cat. No. 1681. 3 Circuit Tuner.....

**\$1.75**

## "Hum-Free" Latest Model "A" Eliminator

Equipped for satisfactory service for sets using up to 8 tubes. Absolutely dry, using no liquids or acid. Guaranteed to be absolutely quiet, and gives a constant supply of "A" current without any hum. Easy to install and simple to operate. 110 volt 50 to 60 cycle A.C.



Cat. No. 438

List Price \$25.00

**Net Price \$10.95**

NOTE

## Victor First Stage Audio Transformer with Voice Coil

For Replacement in All Victor Sets and, of course, can be used in any other make set.

Terminals are numbered 1—Phono Coil 2—B Plus 3—Ground Magnetically shielded. Has winding for phonograph pick-up. Ratio 3 1/2 to 1.

Cat. No. 371

**Net Price 95c**



**R.C.A. Buffer Condenser**

.002 on each side of common

3 Circuit Tuner.....

**\$1.75**

NOTE

**Net Price \$10.95**

**FIRSTS!  
NOT SECONDS!**  
We offer only **FIRSTS** at these  
sensationally low prices — do  
**NOT** confuse these tubes with  
**SECONDS!**

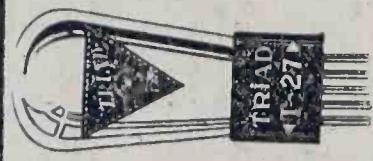
*Insist on*  
**TRIADS**  
*in your new set!*

**TRIAD  
TUBES  
LICENSED BY  
RCA**

**GUARANTEED**  
Unconditionally for 6 MONTHS!  
All tubes replaced immediately!  
Carefully meter tested—shipped  
in ORIGINAL CARTONS!

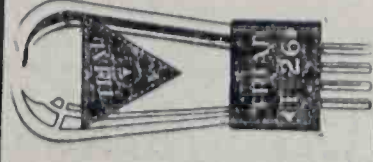


**UX 201-A**  
Cat. No. 485  
List, \$1.25  
**Our Price**  
**50c**

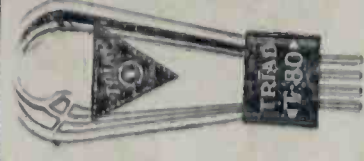


**UY 227**  
Cat. No. 497  
List, \$2.20  
**Our Price**  
**88c**

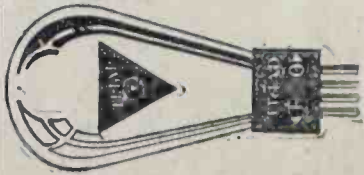
**SOLD AT A  
60%  
DISCOUNT**  
From List Prices



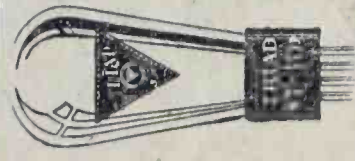
**UX 226**  
Cat. No. 496  
List, \$1.75  
**Our Price**  
**70c**



**UX 280**  
Cat. No. 492  
List, \$1.90  
**Our Price**  
**76c**



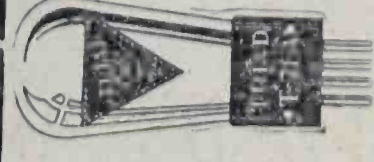
**UX 250**  
Cat. No. 495  
List, \$11.00  
**Our Price**  
**\$4.40**



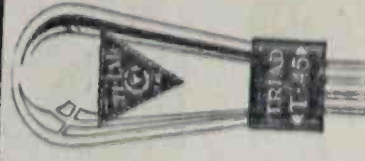
**UX 210**  
Cat. No. 494  
List, \$9.00  
**Our Price**  
**\$3.60**



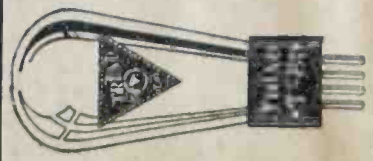
**UX 112-A**  
Cat. No. 486  
List, \$2.25  
**Our Price**  
**90c**



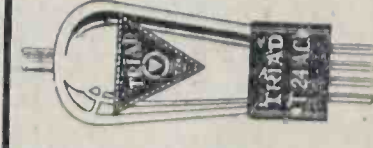
**UX 171-A**  
Cat. No. 487  
List, \$2.25  
**Our Price**  
**90c**



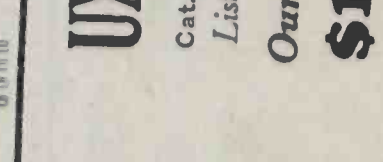
**UX 245**  
Cat. No. 498  
List, \$2.00  
**Our Price**  
**80c**



**UX 281**  
Cat. No. 493  
List, \$7.25  
**Our Price**  
**\$2.90**



**UY 224**  
Cat. No. 490  
List, \$3.30  
**Our Price**  
**\$1.32**



**UX 120**  
Cat. No. 489  
List, \$3.00  
**Our Price**  
**\$1.20**



**UX 222**  
Cat. No. 491  
List, \$4.50  
**Our Price**  
**\$1.80**

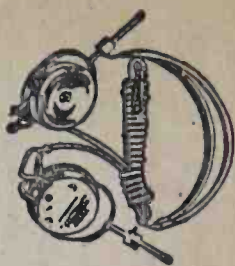


**R. A. 1 or No. 28** Cat. No. 499 **OUR PRICE 75c**  
**R. E. 1 or No. 180** No. 500 **99c**

**ARCTURUS**  
SONORA

**Arcturus No. 30** No. 504 **\$2.10**  
**Arcturus No. 26** No. 506 **\$2.80**  
(Detector)





### Latest Model Brandes Phones

Brand New Merchandise  
2000 Ohms resistance  
Cat. No. 190

**\$2.95**

#### Matched Phones

Ideal for Short Wave reception. Preferred by ship operators, due to extreme lightness. One of the finest phones available.

**\$1.30**

Cat. No. 191

### Baldwin Phones—Famous Type "C"

—An Old Favorite,

**\$4.45**

Cat. No. 192

### Model "KK" 2-Button Carbon Microphone

Minimum of hiss; uses a gold center diaphragm of .002 thickness. 35 to 6000 cycles. Each button is 100 ohms resistance. Requires 6-v. and 8 to 10 mills per button. Beautifully gold plated. Carefully tested. Diameter, 2 1/2 in.; thickness, 1 1/4 in.

Cat. No. 214

**Our Price \$34.30**



### 2-BUTTON MICROPHONE—TYPE "BB"

A split primary microphone input transformer should be used with this "mike." Frequency range of 50 to 3000 cycles, 100 ohms per button. Uses 6 volts and 8 to 10 mills per button. Accurately machined, silver plated. Diameter, 3 in.; thickness, 1 1/2 in.

Cat. No. 209 **Net Price \$17.15**

### TYPE "LL" 2-BUTTON CARBON "MIKE"

Extra heavy type. High carbon steel, ground to within .001 accuracy. Diaphragm is aluminum alloy of proper hardness, and has pure gold contacts. 3 1/2 in. in diameter by 1 1/4 thick. 100 ohms per button. 6-v. and 8 to 10 mills per button for operation. Perfectly damped. Reproduces 30 to 7000 cycles.

Cat. No. 213 **Our Net Price \$51.45**

### MODEL "A" SINGLE BUTTON "MIKE"

Can be mounted in our mount or banquet stand shown on this page. Handles frequencies 50 to 2500 cycles, 100 ohms. 6 volts and 8 to 10 mills for operation. The diaphragm is damped. 3 in. diam. by 1 1/4 in. thick.

### Nationally Advertised Improved Model "3A" Phonograph Pick-Up

Due to low price quoted, manufacturer will not permit their name being mentioned.



We state with much assurance that there is no better pick-up made, despite the rock-bottom low net price quoted. If you seek THE BEST in phono pick-ups, CHOOSE THIS ONE!

Check these features in comparison with prices: Low-inertia stylus bearing, utilizing an all-metal pivoting action, eliminates necessity for bulky construction. Positively no rubber on bearings. Perfect balance is assured.... Small and compact, perfectly balanced, light in weight. Weight of head on record only 5 ozs. No counter-balancing or springs necessary.... Highest grade Cobalt magnet of greatest possible density is used.... Shock absorbing arm bearing with pivot at base.... The yoke which pivots arm is arranged so entire pick-up head can be elevated to proper height for inserting needle.... Volume control incorporated in base—compact and easy to install.... Construction lends itself easily to use of varied lengths of arm for either standard or talking picture records.... Cover of pick-up head and arm finished in bronze; back of head and base finished in black enamel.

Cat. No. 1300

**Our Price \$6.95**

### Radax-Super Phono. Pick-Up

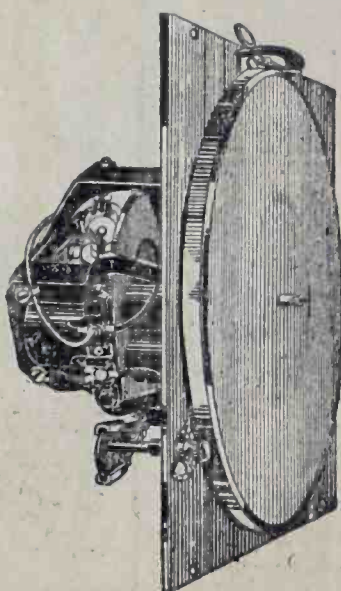


Cat. No. 812

with high quality "built down to a price," with every best feature, both electrically and mechanically. Inherent in its construction and design, is offering this superior product to the Radio Trade, only through big and legitimate sales outlets, like "Coast to Coast." We are not mentioning the manufacturer's name, as that would meet their...

### Bodine Electrical Phono-Motor

Type R. C. 12



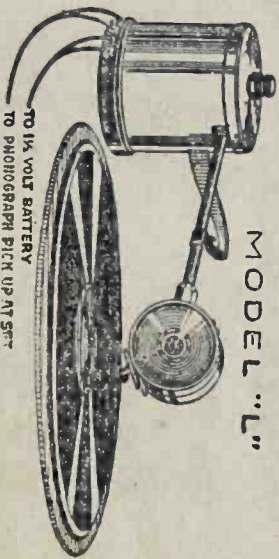
Employs finest mechanical principles known, as well as every electrical improvement; conceded to be one of the finest electric phonograph motors on the market. Worm gear drive shaft. Automatic speed regulator, with double contact governor to insure uniform speed. Suspended on double coil springs. Built for long and hard service. 12-inch table included.

Cat. No. 809

**Our Price \$12.50**

### BRISTOPHONE Phonograph Reproducer

With Automatic Cut-Off



MODEL "L"

Has an automatic cut-off; currents automatically turned on when tone-arm is removed from its rest. Built on the same principle as a Carbon Microphone and can also be used for indoor broadcasting. Can be operated WITHOUT an Amplifier by using a 6-volt battery and connecting directly to a speaker. Has much greater volume than any ordinary Pick-Up and operates with a 1 1/2-volt dry cell battery when used in connection with the Amplifier of an Electric Set.

Cat. No. 813.

List \$45.00

**Our Price \$4.95**

### Allen Hough Rotor Synchronous Motor

A sturdy Synchronous,

electrical...

## RCA Loud Speaker 103

New! In Sealed Cartons

RCA Loud Speaker 103 is beautiful in appearance and superb in its ability to reproduce music and speech faithfully. Its frame and pedestal are molded to resemble hand-carved oak while a beautiful tapestry medallion conceals the mechanism.

Cat. No. 101 List Price \$18.00

**Our Price \$4.75**



## Kolster K-6 Loud Speaker

Wonderful Tone Quality  
Volume to spare  
Equipped with output filter. Encased in usually beautiful walnut cabinet. Size 12½ in. high, 12 in. wide and 7 in. deep.

Cat. No. 102

List Price \$35.00

**Net \$4.95**

Lots of 3, \$4.65 each



## Speaker Chassis for RCA 103

Has built-in transformer—will stand big volume without any distortion, rattling or blasting. Equipped with generous over-sized magnets; 9 in. outside diameter, 4½ in. deep. Can be mounted in any radio console, or against any baffle arrangement. Complete with durable 5-ft. cord.

Cat. No. 103

**Our Price \$3.25**

## Replacement Magnetic Chassis for

### RCA 100-A

Special Model—Ideal for Replacement Purposes

Identical type as used in \$35.00 list Model 100A. Has self-baffling arrangement, super-efficient, hair-line balanced armature. Noted for its ability to withstand tremendous voltages, without the slightest trace of distortion or any tendency to rattle. Do not confuse this chassis with similar appearing types. This chassis is fully guaranteed!

## RCA Loud Speaker 100-B

New! In Sealed Cartons!

The design of Loud Speaker 100-B has been influenced by the modern trend in home furnishings, and yet is so well conceived that it harmonizes perfectly with any receiver. This loud speaker possesses great sensitivity and handles substantial volume of tone with remarkable clarity.

List Price \$17.50

Cat. No. 108

**Our Price \$4.75**

## Utah Dynamic

A. C. Power Speaker

MODEL 33A  
110-volt 60-cycle Alternating

## Electro-Dynamic RCA 106 A.C. Loud Speaker

New! In Sealed Cartons

Designed for those with a discriminating taste for the most realistic reproducer, housed in a really exquisite console cabinet—a piece of furniture to grace the decorative effects of any home. Capable of thunderous volume, controllable, of course, to within a whisper tone—its amazing fidelity of reproduction, throughout the entire musical register, thrills all its listeners! You can actually detect each and every instrument playing in a 150-piece symphony orchestra! It will never blast—never rattle—or even for 250 double push-pull amplifiers. Walnut cabinet, 33½ in. high, 23½ in. wide, 10½ in. deep. Ample space to install a radio tuner on one shelf and a power amplifier on the bottom shelf within the baffle chamber—make your own A.C. receiver, using separate units! Note the extremely attractive tapestry front and side panels. An ideal speaker for homes, schools, dance halls, restaurants, auditoriums, etc.

Cat. No. 107

List. \$85.00

**Our Price \$16.50**



## Peerless Model 19-A A.C. Dynamic Type Mantel Cabinet Speaker

Do Not Confuse This Model With Model 17-A!

Size: 16½ in. high at center, 14½ in. wide at base, 10 3/16 in. deep at base. Diameter of cone 9 in. Chassis specifications: Extremely solidly built. Power transformer and rectifier are assembled as a unit with chassis. Each reproducer is equipped with 8 feet of silk-covered power cord with plug and switch, and 8 feet of silk-covered speaker cord with phone tips. Equipped with power transformer and rectifier to operate on 110 volt, 50-60 cycle.



Cat. No. 118

List Price \$75.00

**Our Price \$17.50**

## 6 Volt or 110 Volt D.C. Models

For those who require a table type dynamic speaker, enclosed within a table cabinet, to operate from a 6 volt D.C. source (storage battery or A.C. trible charge arrangement), or from 110 volt D.C. source (110 volt D.C. line, or having its field current supplied by the filter choke in a power supply), there is available these appropriate models. Included at prices quoted, there is furnished a matched output push-pull transformer.

Cat. No. 344.

6 Volt D.C. Table Dynamic..... **\$16.50**

Cat. No. 345.

110 Volt D.C. Table Dynamic..... **\$16.50**

(NOTE—Unless specified the 110 volt D.C. type is furnished with a 2,500 ohm field winding cat. however, furnish us with any resistance value field coil.)

## PEERLESS A.C. and D.C. Dynamic Chassis



All models are equipped with a suitable output transformer so far as set is concerned) transformer—exactly matches voice coil on speaker.

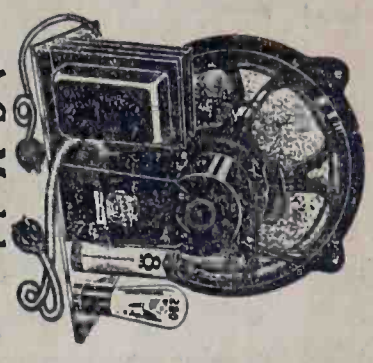
No.	Size	Type	Year	Price
No. 121	12 in.	Super A.C. 110 Volt, 60 Cy	1929	\$14.00
No. 122	12 in.	Super 110 Volt D.C.	1929	12.00
No. 123	13 in.	Super 6 Volt D.C.	1929	12.00
No. 124	10 in.	A.C. 110 Volt, 60 Cycle	1929	12.00
No. 125	9 in.	A.C. 110 Volt, 60 Cycle	1929	11.50
No. 126	9 in.	D.C. 110 Volt, D.C.	1929	11.50
No. 127	9 in.	D.C. 6 Volt, D.C.	1929	11.50

# Jensen Dynamic Speaker

## For 110 Volt A.C. Employing 280 Tube Rectifier

### Arrangement

Any further praise we could add here to the quality of reproduction afforded by any JENSEN DYN A MIC SPEAKER would be superfluous—the JENSEN speaker is universally acclaimed for its matchless fidelity of tone, coupled with an ability to stand considerable volume without chattering, blasting or any rattling, even though it may be attached to a three-stage, double push-pull amplifier using 2-250's! To assure maximum performance and satisfaction, one and a half inch diameter voice coil is used, and, therefore, the iron core that governs the movement of that voice coil is also of generous size! The diaphragm itself is puncture-proof "Burtex" cloth, and is impervious to moisture—will never lose its shape, or "buckle." The diameter of this speaker is "concert" size, i.e., 12 inches. It is now universally conceded that a 280 tube rectifier far exceeds the efficiency of the rectifier disc arrangements. An 8 mfd. electrolytic condenser assures that any trace of A. C. hum is eliminated. Note the generous size of the Thordarson A. C. power transformer that lights the 280 tube and energizes the field coil in the speaker. Should you ever desire to use this identical speaker with an A. C. receiver (with its field coil serving as one of the power pack chokes) this can be very simply arranged—full instructions furnished.



A.C. Model

**Our Price \$19.50**  
(Less 280 tube)

**Our Price \$12.50**  
Cat. No. 1287. 110 volt D. C. Model with 2,500 ohm field.

**Other field resistance types also available. Both of the above models are particularly suited to the amplifiers described on this page.**

## Jensen-Rola-Magnavox Midjet D.C. Dynamic Chassis for Midjet and Standard A.C. Receivers



It is a credit indeed to the Engineers who designed these speakers, for within a most limited space, they have produced a dyna-

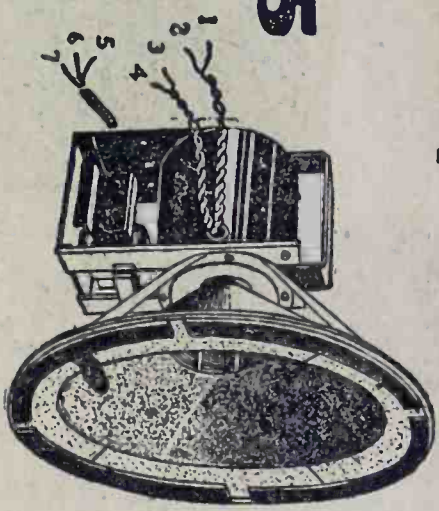
# Peerless Dynamic

## 15-inch Diameter

Cat. No. 119

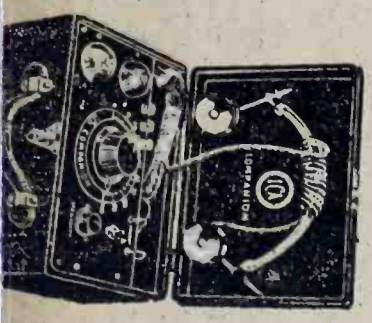
**Our Price**

# \$15.95



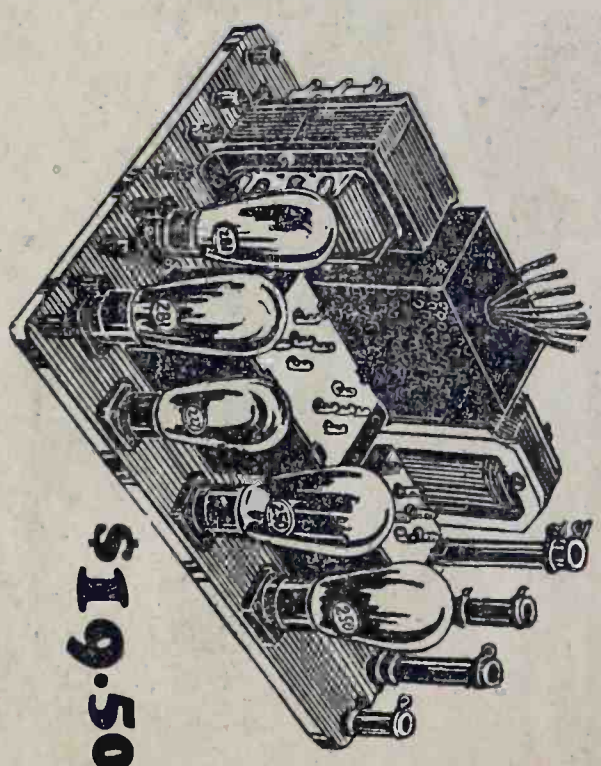
This is the most popular speaker in our whole line—deservingly so, in view of its versatility. Contains a DOUBLE FIELD COIL, one being rated at 900 ohms D.C. resistance, 60 henry (red and green wires); the other coil is 4000 ohms D.C. resistance, 90 henry (black and yellow wires). Both fields may be connected in parallel to give 750 ohms D.C. resistance, or, in series to give 4900 ohms resistance. Either field may be used to replace any CHOKE COIL of a power pack, of like resistance. The 900 ohm field may be used as a "C" bias resistor for 2-250, or 2-245, or 2-171A power tubes, thereby employing 5.5 watts to energize the field, instead of this being wasted in form of heat encountered in a usual "C" bias resistor. One of the fields may also be used to replace any open resistor section on a bleeder system; or, one of the fields may be used as an additional choke, thereby reducing the possible hum factor. The self-contained output transformer is center tapped and is perfectly designed to match the impedance of 2-250, 2-245 or 2-171A power tubes. When using the center tap, and either end of the output transformer, the impedance is matched to a SINGLE POWER TUBE! The arrangement of terminals is as follows: No. 1 and 2, 900 ohm field (RED and GREEN wires); No. 3 and 4, 4,000 ohm field (BLACK and YELLOW wires); No. 5 and 7, connect to both plates of the push-pull power tubes used; No. 6, connects to the high plate voltage.

## I. C. A. 2 Tube Complete A.C. Receiver



Here is a compact, complete portable receiver that is a revelation in tone quality as well as engineering skill. Just imagine—it is complete in itself, just plug into a light socket, make ground connection, and put on the head phones—you don't even need an aerial. And on some powerful locals you can obtain good results with a magnetic speaker. Employs two 227 A.C. tubes, one as a detector and one as a rectifier

## Kit of Parts to Build a Two-Stage 250 Push-Pull Power Amplifier and "A-B-C" Power Supply for Radio Tuner



# \$19.50

**Also Available in Completed Wire Form Requires 1—227, 2—250, 2—281 (Full Wave Rectification) A.C. Tubes**

Here is proof of our HUGE PURCHASING POWER—for the practically insignificant sum of money we ask today for this SUPER-POWER AMPLIFIER, you could only have purchased the A.C. POWER TRANSFORMER ALONE not so very long ago. And, mind you, only the MOST RENOWNED MANUFACTURERS PARTS ARE INCLUDED IN THIS KIT, such as THORDARSON A.C. POWER TRANSFORMER, TOBE "SURGE-PROOF" FILTER CONDENSERS, THORDARSON FILTER CHOKE, WARD LEONARD OR OHMITE VOLTAGE DIVIDERS, VICTOR 1st A.F. AUDIO TRANSFORMER (with PHONOGRAPH VOICE COIL ATTACHMENT!), VICTOR INPUT and OUTPUT PUSH-PULL TRANSFORMERS, etc., etc. You may safely rest assured that this amplifier, when assembled, will operate to your 100% SATISFACTION.

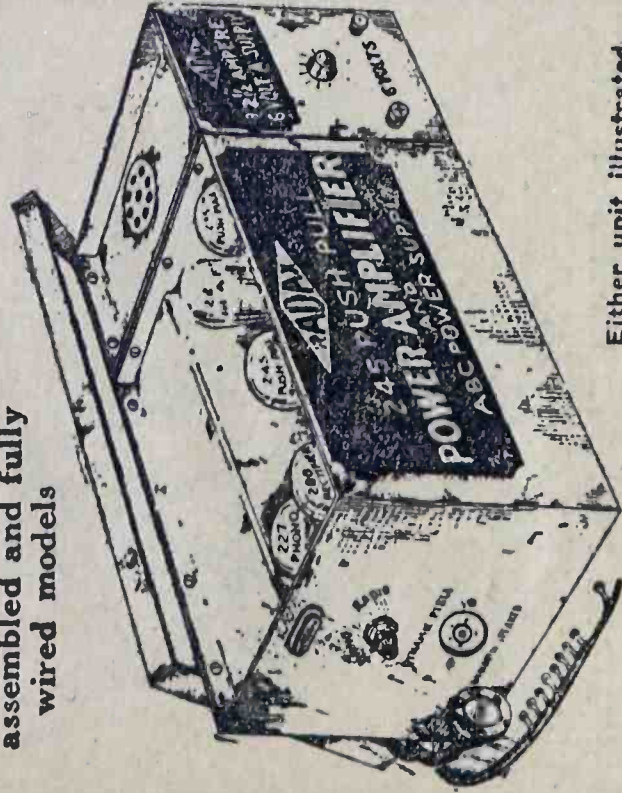
**Furnishes Field Current for 90-110 Volt D.C. Dynamic Speakers; also All "A-B-C" Requirements**

It is primarily suggested that you use this power amplifier with our Cat. No. 119, 15-inch diameter PEERLESS D.C. DYNAMIC SPEAKER, as both field coils in that speaker can be used to splendid advantage in this amplifier's circuit! However, you may exercise your own choice of ANY D.C. dynamic speaker, as this amplifier will furnish ANY TYPE with its required FIELD CURRENT. Incidentally, the field coil in either instance serves as one of the filter chokes of the amplifier; therefore, additional choke coil in the filter circuit is not required.

**TWO-IN-ONE!**

**Combined 245 Push-Pull Power Amplifier and ABC Power Supply for Any Battery or A.C. Set Tuner**

Available in both semi-assembled and fully wired models



Either unit illustrated sold separately

Cat. No. 481

**Convert Any Battery Receiver Into a Modern A.C. Set Without Any Rewiring**

Five minutes' time required! Simply attach a wire to the PLATE TERMINAL OF THE DETECTOR SOCKET in your present battery receiver (using 199 or 201A tubes) and insert the other end in the INPUT terminal on the RADAX, wherein the detected signal will be amplified to tremendous proportions. Then attach your loud speaker to the terminals provided on the RADAX —THAT IS ALL THERE IS TO IT! The tubes now used in the sockets FOLLOWING THE DETECTOR SOCKET will NOT BE USED, nor any of the parts in the audio amplifier circuit of your battery set.

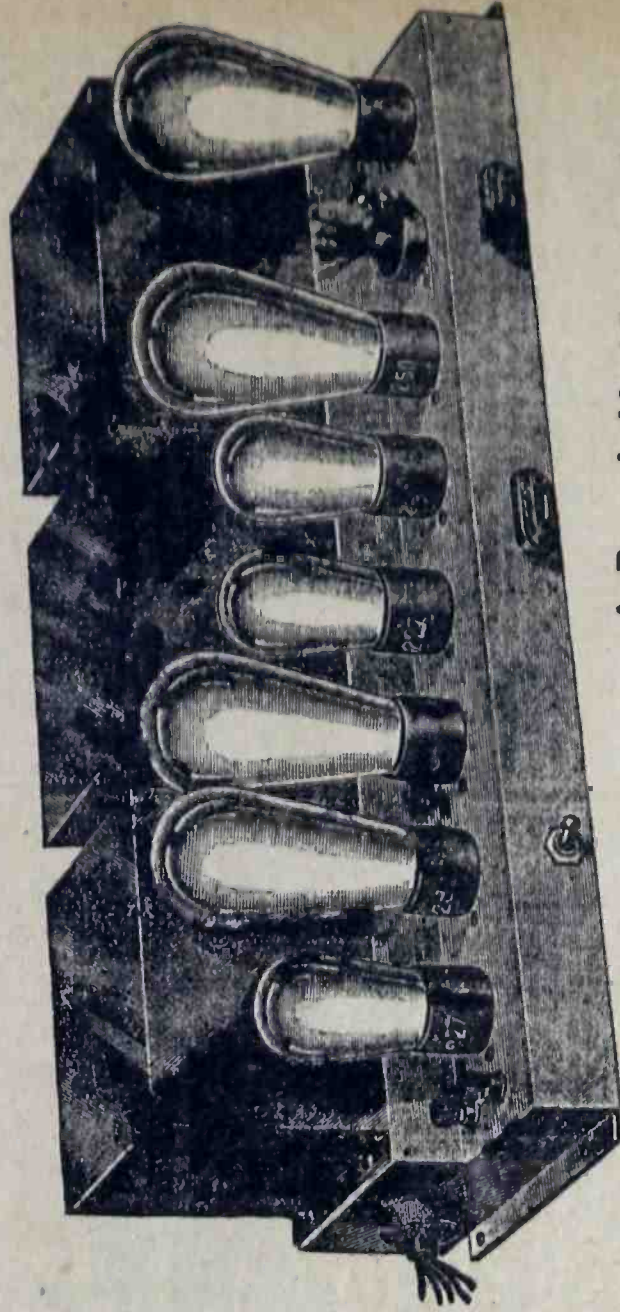
**No Rewiring of Sockets!  
No Rebalancing of R. F. Circuits!  
Discard Your Storage and "B" Batteries—"B" Elim.—Charger**

The RADAX "A" unit furnishes 6 volts of HUM-FREE D.C. current at 2½ amperes for the filaments of your present battery type tubes, which will still be used in your tuner. (A special model will also supply 4 volts, for 199 type dry cell tubes.) The plus and minus "A" leads of the battery set cable are attached to the corresponding terminals on the "A" unit. B voltages for the plates of the tubes used in the tuner—even as high as 135 or 180 volts—are furnished.

**Push-Pull Power Amplifier Makes**

**SEMI-ASSEMBLED OR COMPLETELY WIRED  
RADAX 3 STAGE DOUBLE PUSH-PULL  
250 AUDITORIUM THEATRE and HOME USE  
POWER AMPLIFIER, Using 3-227, 2-250, 2-281**

To adequately describe this superb amplifier would more than fill this entire page—space limits permit us only to mention a few of its superior unique and original features. It took a lot of painstaking laboratory experiments to produce this perfect mechanical and electrical instrument. The entire amplifier is built on a satin-aluminum finished metallic base of great strength, 20 in. long, 8 in. deep, 7 in. high, having all the desirable electromagnetic and electrostatic shielding properties. The three main units of the amplifier—the A. C. Power Transformer, Filter Condenser Block and A. F. Transformer Units—are housed in Japanese-black finished metallic containers, and so arranged as to produce optimum electrical and mechanical characteristics. Consists of a '27 first audio, feeding into an interstage push-pull, using 2-'27s in that stage, which in turn swing the grids of 2-250 tubes, also in push-pull! The high voltage D. C. is supplied by 2-281 tubes arranged in FULL WAVE rectification! The sum total of such unusual amplification provision assures, with this super power push-pull amplifier, extraordinary fidelity of reproduction.



**A Remarkable Phonograph and Microphone Amplifier**

There is considerable room available to mount under the chassis a microphone transformer, to utilize this extraordinary amplifier in a most efficient public address unit—sufficient undistorted volume for most any indoor or outdoor application. A phonograph pick-up jack is provided—the reproduction thereof is sufficient to fill any huge auditorium, and the quality of music so reproduced, is uncanny in its sheer reality!

**Makes an Ideal Amplifier for Any Type Tuner and Furnishes Same with All Necessary "A-B-C" Current Requirements**

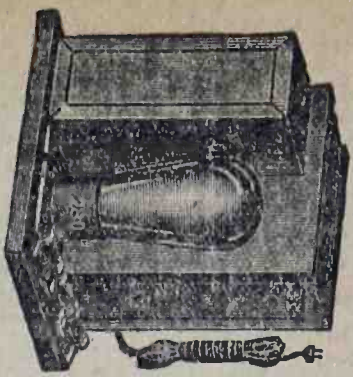
Simply attach the DETECTOR PLATE LEAD of any tuner to the INPUT terminal on this amplifier—and then sit back in utter amazement, as the sonorous, thunderous flood of musical giants grip your attention. You will be undeniably thrilled! Furnishes 12 amps of 2½ volts A. C. for 2½ volt filaments in any A. C. tuner, as well as +46, +90, +135, +180 and negative "B" plate voltages thereto through a plug-in cable arrangement. (When coupling this amplifier to a battery receiver the 2½ volt supply terminals are left idle.) Another model furnishes 12 amps. of 1½ volts A. C. for 226 tubes that may be used in such an A. C. tuner, as well as the plate voltages referred to.

**Kit Model Very Simply Wired by Any Novice—Parts of Best Manufacturers Used!**

**Contains Over-Size Power Pack—With Generous Safety Factor**

The power transformer is designed to produce a pure sixty-cycle sine wave which allows ideal rectification when coupled to 2-281 in FULL WAVE rectification. The low resultant ripple is completely flattened by feeding into a perfectly designed filter system. This precise condition brings the hum to a point far below the commercial tolerance. The transformer is also INDIVIDUALLY ELECTROSTATICALLY and ELECTRO-MAGNETICALLY SHIELDED, resulting in hum free operation. The condenser block consists of TOBE non-inductive, "SURGE-PROOF" 1,000 volt condensers. To completely eliminate the slightest possibility of inductive coupling, the preliminary precaution was taken to completely shield the condenser block.

### Semi-Assembled and Completely Wired Radax 171A-245-250 General Replacement A.C.



### Power Packs for All A.C. Sets

(Can also be used as a "B" eliminator with ALL BATTERY RECEIVERS!)

Power transformer and filter chokes are the THOR-DARSON POWER COMPACT style, in that they are encased in a single, pitch filled heavy gauge metal box. The condenser block is similarly constructed—the voltage dividers are the very finest made. Connections to your receiver are made by a coded terminal board. Note the compact assembly! Ideal for use as "B" eliminator, as replacement of entire A.C. power pack in any A.C. set, or as a perfect means of completely converting any battery receiver to an A.C. receiver. Those listed below are for 110 volt 60 cycle A.C.—other models also available. As these power packs are partially assembled, you can attach the few necessary wires in a very short time—detailed diagram included. Also available fully wired.

### THE RADAX LABORATORIES CAN BUILD TO ORDER ANY TYPE POWER-PACK!

In the event any power-pack (consisting of the complete unit, or any component parts thereof) needs replacement, remove the defective apparatus and ship same to us, with as much detailed information accompanying the return as possible. On its receipt we will promptly mail your quotations for making an exact electrical and mechanical duplicate thereof. You can safely entrust any such job with us. **WE KNOW HOW!**

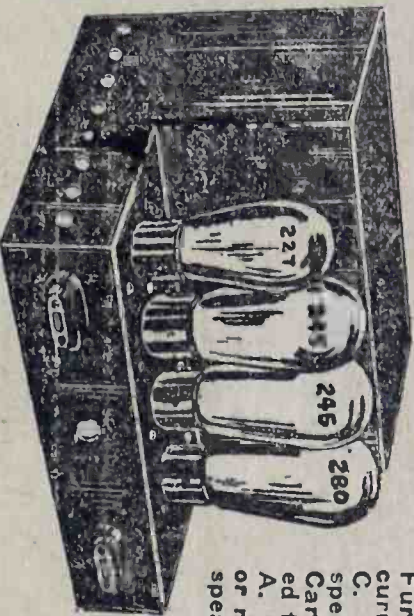
Cat. No. 1208—171-A "B" POWER SUPPLY, 200 volt output, and +45, +67, +90 and +135 volt terminals. Requires 280 Rectifier..... **\$6.75**

6 in. x 6 in. x 6 1/2 in. high

Cat. No. 1269. Fully wired. **\$8.25**

Cat. No. 1209—Same as No. 1208, but also furnishes 5 volts A.C. at .5 amp., for two 171A tubes, also "C" bias..... **\$7.45**

### Semi-Assembled or Wired Radax 245 Push-Pull Power Amplifier and "ABC" Power Supply



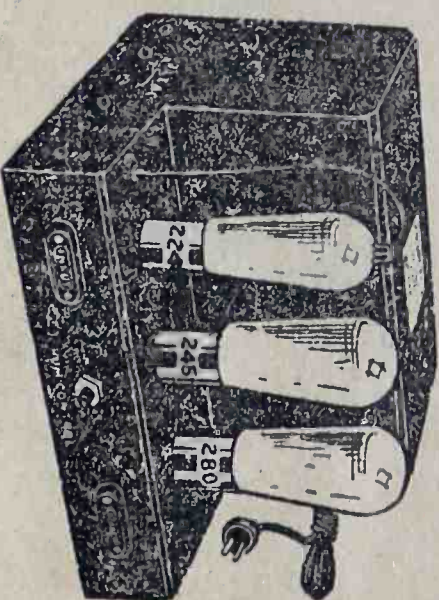
Furnishes field current for D.C. dynamic speakers! Can be adapted for use with A.C. dynamic or magnetic speakers.

Here is a real engineering triumph of several brilliant Radio Engineers—the most compact instrument of its type! Imagine, it is only 9 in. long, 6 1/2 in. wide, 6 in. high over all! Consists of one 1st A. F. audio coupled stage, using 1-227 tube, feeding into a PUSH-PULL STAGE USING TWO 245 POWER TUBES—produces enormous volume, with a fidelity of reproduction that is positively thrilling in its realism! A phonograph radio switch is provided for automatically switching from RADIO to PHONOGRAPH amplification. When used as a phonograph amplifier the reproduction is practically equal to that afforded by considerably larger and ever so much more expensive amplifiers. PHONOGRAPH and SPEAKER JACKS are included. Not only does this unit supply its own ABC current, but it also provides ABC current for most any A. C. tuner; therefore, this is the ideal unit to use when converting battery receivers for A. C. operation. Can be coupled to any radio tuner output with no difficulty, and will operate very satisfactorily with any type. The very finest of parts are used: PHILCO-THOR-DARSON A. C. POWER TRANSFORMER; TOBE FILTER CONDENSERS; GENERAL ELECTRIC FILTER CHOKE; T. C. A. PUSH-PULL TRANSFORMER; MIGNON AUDIO TRANSFORMER; OHMITE VOLTAGE DIVIDERS; EBY WAFER SOCKET HEAVY GAUGE METAL TIP JACKS; DUCO FINISHED HEAVY GAUGE METAL CHASSIS, ETC., ETC. All models furnish +45, +67, +90, +135, +180 VOLT "B" current, as well as A. C. filament voltages, as mentioned below. Due to the semi-assembled state, and clever engineering principles involved, it is a very simple matter to wire up this amplifier—practically every component part is bolted to the chassis, saving you considerable time.

Cat. No. 435—With 2 1/2 volt A. C. supply for 5-224 or 227 A. C. tubes. Requires 1-227, 2-245, 1-280 ..... **\$14.50**

Cat. No. 436. Completely wired..... **\$18.50**

### Semi-Assembled or Wired Super-Model Improved Loftin-White Direct Coupled Amplifier and "A-B-C" Supply



### 245 MODEL

Entire chassis, including the A.C. power pack structure is ONE PIECE—the oversize POWER TRANSFORMER, FILTER CONDENSER BLOCK and CHOKE are firmly embedded in PITCH, assuring far greater life and more efficient performance, as the windings are thus impervious to weather conditions, and incidental breakdown. The balance of the parts are of the finest manufacture, and perfectly MATCHED, to the exacting circuit specifications. Conservative output, 5 to 6 watts will bring the best out of any Magnetic or Dynamic Speaker.

### MAKES AN EXCELLENT PHONOGRAPH OR PUBLIC ADDRESS AMPLIFIER

Radio service men and dealers are reaping a harvest installing these "AUDITORIUM" volume power amplifiers, in halls, restaurants, dancehalls, schools, etc. One of the finest PHONOGRAPH record amplifiers on the market—suitable for the home or auditorium and, by coupling a MICROPHONE INPUT TRANSFORMER to this amplifier it makes a perfect PUBLIC ADDRESS AMPLIFIER! No additional amplification is necessary! SELF CONTAINED A.C. POWER SUPPLY AND PROVISION FOR "A B C" SUPPLY FOR TUNER Plug into any 110 volt, 60 cycle A. C. line, and the amplifier is ready for immediate use. Note that provision is made for supplying ANY RADIO TUNER with 12 amps. 2 1/2 volts A.C. for 224 or 227 filaments used therein, as well as provision for 45, 67, 90, 135 and 180 volts "B."

### OPERATES WITH ANY TUNER

Although primarily designed to operate with the NEW IMPROVED SUPER LOFTIN-WHITE TUNER it can be adapted to ANY TYPE TUNER. Dimensions: 9 in. long, 8 1/2 in. high, 6 1/2 in. deep. Very easily connected, due to semi-assembled state in which it is shipped, and simple wiring plan furnished. Requires 1-224 SCREEN GRID, 1-245, 1-280 Rectifier..... **\$14.50**

Fully wired and assembled model ready for immediate use..... **\$16.50**

### Porc. Base Knife Switches



Cat. No. 1637—Single pole, single throw, each. **10c**

\$1.10 Per Doz. **15c**

Cat. No. 1638 SPDT, each. \$1.75 Per Doz. **20c**

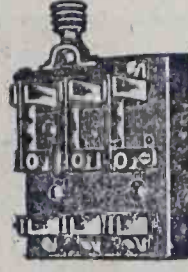
Cat. No. 1640 DPDT, each. \$2.25 Per Doz. **25c**

Cat. No. 1641 TPDT, each. \$2.90 Per Doz. **50c**

\$5.75 Per Doz.



No. 1638



No. 1641



Cat. No. 1642.

15 Amp. Jaws open 5/8 in. 20 for..... **73c**

Cat. No. 1643.

50 Amp. Jaws open 1 1/2 in. 10 for..... **93c**



**73c**

**93c**

**Dusie Lead Coated Clips**



**Detecto-Lite**  
Tests any current from 110 volts up to 550 volts and indicates the voltage, whether A.C. or D.C. current, how many cycles. Detects the live and ground wire. Sturdily constructed—bakelite casing. An absolute necessity for all Radio service-men, electricians, engineers, building superintendents, etc. Fool-proof.  
Cat. No. 1644.

**Our Price \$1.00**

**Hart & Hegeman Toggle Switch**

Cat. No. 327

For Battery and Electric Sets Approved Long Flexible Leads



**20c each**

**Lots of 10, \$1.75**

**G. E. Knob Type Filament Switch**

3 amp. at 110 volt, 1 a.m.p. at 250 volt. 8 in. leads. Approved.



Cat. No. 328

**EACH 20c,**

**Doz. \$2**

**Phono-Radio Toggle Switch**

Also suitable for Long and Short Antenna—"Hi Lo" on Power Packs, etc.

Most compact made—total length, 1 3/16 in. by 3/4 in. behind panel; 7/16 in. hole required. Single Pole

### 2-3-9 WIRE CABLES



Cat. No. 1609

**For Speakers—Dynamic Speaker Output Transf.—A.C. Receivers, Etc.**

Originally made for set manufacturers' requirements. There is no better wire made—unusually well insulated. Cat. No. 1605.—2 Wire Cable. Loops at one end, 19 inches long. **10c**

**Per Dozen, 75c**

Cat. No. 1606.—2 Wire Cable. Tinned leads at both ends; 64 inches long. **15c**

**Per Dozen, \$1.25**

Cat. No. 1607.—3 Wire Cable. Lugs at each end; 24 inches long. **7c**

**Per Dozen, 50c**

Cat. No. 1608.—3 Wire Cable; 28 inches long. Ideal for dynamic speaker output transformers—microphones, etc.; lugs at one end, tinned leads at other end. **15c**

**Per Dozen, \$1.00**

Cat. No. 1609.—9 Wire Cable; 9 lugs at each end. There are 9 vari-colored leads in this cable, to distinguish similarity of leads; 43 inches long. Fully one-half inch thick. Extremely usefull! **25c**

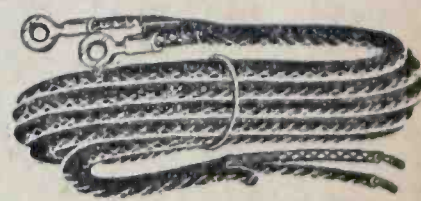
**Per Dozen, \$1.50**

### EXTENSION CORDS

**For All Types of Speakers**

Equipped with conventional phone tips at each end

Cat. No.	Length	Each	Per Doz.
1409	20 ft.	.19	\$2.15
1410	30 ft.	.30	3.50
1411	50 ft.	.43	4.80



Cat. No. 1605

**Headphone Cords—Double**  
6 ft. long. Pin tips on one end, Spade tips on phone side

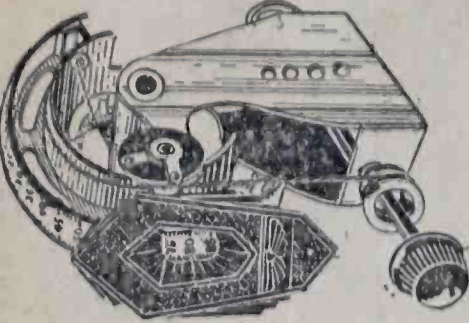
Cat. No. 1412.

Our Price..... **15c**

**\$1.25 per dozen**

**Acme "Pushbak" Wire**

### Smooth Operating Drum Dial



Artistically designed and constructed with a mechanism that is fool-proof

Automatic spring take-up insures positive drive at all times. The dial is beautiful in appearance and is constructed on a very

unique principle, the drum carrying the condensers driven by a specially treated cord which is wound

around the drum and connects with a small pulley on the shaft turned by the control knob. It turns

easily and smoothly without backlash and is guaranteed to turn easily with

any multiple unit of condensers. It easily mounts either on the sub-panel, baseboard or to the front panel.

The scale is of black material with clear white letters and is illuminated by a small flashlight bulb. 1/4 inch diameter shaft hole. Center of hole 3 3/8 inch up from base plate. 4 inch diameter drum. 1 1/2 inch wide. Unusually attractive escutcheon plate and dial light included, also operating knob.

Cat. No. 1618.

OUR PRICE..... **\$1.95**

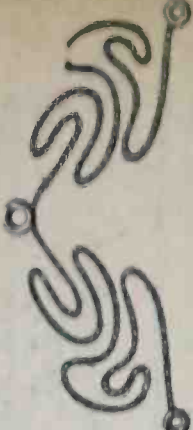
### Majestic Drum Dial Cables

30 1/2 inches long. Very flexible braided wire.

Cat. No. 1619

OUR PRICE

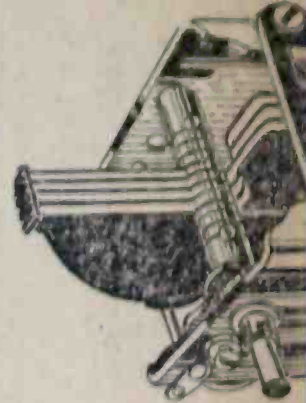
**25c**



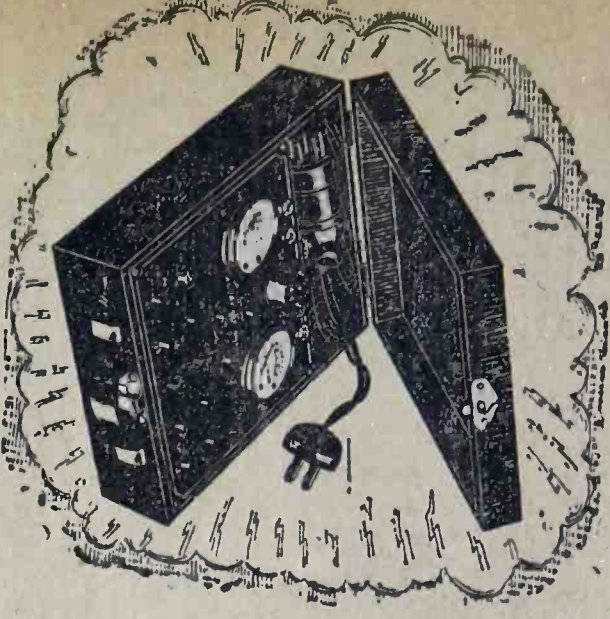
Cat. No. 1620.	10 feet.....	75c
Cat. No. 1621.	25 feet.....	\$1.50
Cat. No. 1622.	50 feet.....	2.50
Cat. No. 1623.	100 feet.....	4.00

### Laboratory Model Short-Wave Condenser

Solid mounting of stator plates assures absence of losses—rotors are individually soldered to common "link." Deep "bathtub" construction. Removable shaft feature. Adjustable tension spring. Brass plates. Aluminum chassis. Base mounting. Over size bushing.



# THE NEW AND VASTLY IMPROVED PUSH-BUTTON TYPE RADAX RADIO SET ANALYZER AND TUBE TESTER



Do not confuse this radically new TEST EQUIPMENT with the various forms of "similar" testers now offered at prices considerably less than ours. In its original form, the various voltage readings were determined by rotating a multi-tap switch—in this NEW HIGHLY IMPROVED MODEL that rotary switch has been dispensed with, and now the various readings desired are obtained by merely pressing any of the thirteen buttons provided on the instrument board. These buttons provide for the following essential and valuable tests: No. 1: plate current, 0 to 100 mls.; No. 2: plate current, 0 to 50 mls.; No. 3: control grid voltage, 0 to -10 volts (for screen grid tubes); No. 4: A. C. line voltage, 0 to 150 volts; No. 5: A. C. filament volts, 0 to 7½; No. 6: plate voltage, 0 to 500; No. 7: plate voltage, 0 to 250; No. 8: grid voltage, 0 to -50 volts; No. 9: grid voltage, 0 to -10 volts; No. 10: screen grid voltage, 0 to 100; No. 11: filament emission (tests the mutual conductance of tubes—a very valuable test—detects defective tubes ordinarily considered satisfactory); No. 12: filament voltage, 0 to 10 volts D. C.; No. 13: reverse switch, instantly corrects all reverse readings on D. C. tests, and also prevents destruction of delicate and intricate mechanisms, which is an inherent characteristic of any scientific apparatus. The following readings are possible, merely by pressing the appropriate test button, as per simple instructions and charts included: MILLIAMMETER READINGS: 0 to 50, and 0 to 100. D. C. VOLT-METER READINGS: 0-10, 0-50, 0-100, 0-250, 0-500 volts. A. C. VOLT-METER READINGS: 0-7½, 0-150 volts. Two pair of the jacks are provided, one for the insertion of a pair of TESTS, and the other pair of jacks permit the testing of any circuit in a radio receiver with the test leads, which must, of course, be actually inserted into any socket of a receiver. A 4½ volt "C" battery is furnished for making continuity tests, and is bolted to the floor of a compartment, into which is housed all the cables, 4 and 6 prong socket plugs, test leads, screen grid clip, etc., etc., when the cover is closed. Either 4 or 6 prong tubes may be tested, by virtue of the 6 prong socket permanently attached to the test board panel, and the supplementary 4 prong adapter, which fits into the 6 prong socket. The very attractive imitation leather case measures 9 in. long, 7½ in. wide, 3½ in. high, and certainly offers a most professional appearance. Heretofore a set and tube tester, equipped with push-buttons, has been sold WHOLESALY FOR AROUND \$50.00 to \$70.00. THE TREMENDOUS DEMAND FOR THIS APPARATUS ALONE HAS ENABLED THE MANUFACTURER THEREOF TO PRODUCE THEM AT A PRICE TO WARRANT OUR SENSATIONALLY LOW PRICE! FULLY GUARANTEED BY BOTH THE MANUFACTURER AND COAST TO COAST RADIO CORP.! Cat No. 1450. OUR PRICE.....

**\$18.75**

## Readrite Model 15 Set Analyzer and Service Kit

For A. C. or D. C. Sets. Tests from the set socket—A, B, C, Screen-Grid and Cathode Volts, also plate current.



Carries a triple reading D. C. voltmeter, a double reading A. C.-D. C. repulsion type voltmeter, and a double reading D. C. milliammeter. Instrument ranges: D. C. volts 0-60, 0-300 and 0-600; A. C. volts 0-10 and 0-140; milliamperes 0-20 and 0-100. Special tip jack connections permit individual use of these meters for a wide variety of testing, including continuity tests of transformers, chokes, condensers, etc. Compartments for findings, soldering iron, tools and extra tubes. Every-

## Readrite Ohmmeter, Model 500



Direct reading. Tests resistance up to 10,000 ohms, also D. C. volts 0-4.5. Contains small cell flashlight battery. Supplied with two wire leads five feet long for use in continuity and resistance testing. Case is steel, 4-in. dia. Indispensable for service work.

Cat. No. 149  
List, \$6.00

**Our Price \$3.53**

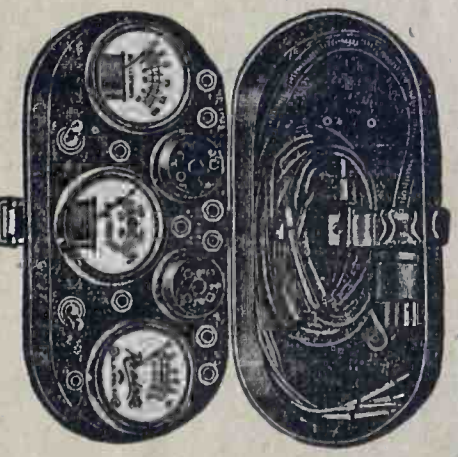
This is the same meter as used in Readrite No. 500, shown above without 3 small flashlight cells and circular metal case.

Cat. No. 150  
List, \$2.50

**Our Price \$1.47**

## Readrite Model 245-A Radio Set and Tube Tester—Improved!

Equipped With Three Double Reading Meters!

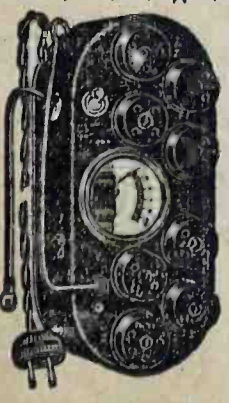


Tests Screen Grid Tubes and All Modern Receivers—Both A.C. and D.C. Particularly designed for the new sets using the 224 and 245 power tubes. Accurate testing can be done with this handy tester of all set circuits and tubes. Plugs into the set socket. Meters may be used separately for continuity and general testing. The three (3) double reading meters are: Repulsion type filament and line voltage A.C.-D.C. voltmeter 0-10-140, plate and grid D.C. voltmeter 0-60-300, plate milliammeter 0-20-100. Tests A. B. C., S.-G., and Cathode Volts, normal plate current and Grid Test charge. Strong seamless metal cover. All the cables, cords, plugs and adapter are securely held in this cover. Beautifully baked enamel finish with leather handle. A compact, complete tester every service man should have. 4-in. x 8½-in. x 3¼-in.

Cat. No. 188—245-A **Our Price \$11.76**

## Readrite Model 400 Counter Tube Tester

For Connecting to A. C. Supply Tests Screen-Grid—Pentode—Rectifier and All Tubes in General use.



Provides a quick and easy way for any dealer to check the tubes in front of the customer. Equipped with an extremely accurate milliammeter in a shielded metal case which gives all tube readings on a single scale. Push button gives second reading for mutual conductance test. In a seamless metal case finished in handsome baked enamel. An ornament to any counter. Many individual applications of this tester can be found outside of the dealer's store requirements for varied uses to which vacuum tubes are applied today.

Cat. No. 189 **Our Price \$11.76**

## Readrite 3 Light Model 450

List, \$20.00

**Victor-Frost Twin Volume Control**

3,000-3,800 Ohms  
Guaranteed to stand considerable use without blowing out. Used on all VICTOR sets—can find valuable use on all sets. Can be used as a phono pick-up fader.

Cat. No. 332.

**Our Price 40c**

\$4.20 per dozen

**CRL Potentiometer Volume Controls**

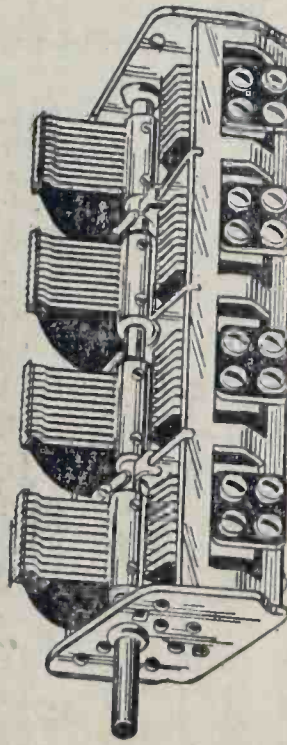
Absolutely noiseless, due to the rocking principle employed, as contact is indirectly made along surface of resistance. (Potentiometer has 3 terminals.)

Cat. No. 799  
801

10,000 ohms  
50,000 ohms

**Our Price, ea. 35c**

**4-Gang .00035 or .0005 Mfd. Condenser**



The bathtub frame is Diecast from purest aluminum and is warpless. Individual sections of this unit are scientifically matched. Careful shielding between sections. Individual compensators with adjusting nut grounded to the frame and rotor plates, thus eliminating hand capacity effects. .00035 capacity.

Cat. No. 449. 4-Gang .0005 Mfd.

**Our Price \$1.50**

**Type E-10 Bradleyohm**

For "B" eliminator and R. F. "B" voltage control. Range 0—500,000 ohms.

Cat. No. 330

**Our Price 30c**

\$3.25 per dozen

**R.C.A.-Yaxley 2000 Ohm Volume Control**



**Shielded Lead-in Wire**

The ideal wire for auto aerials. Also perfect as a lead-in for any type aerial. Braided copper wire shield, over rubber insulated copper wire; is grounded, prevents any extraneous pick-up not wanted!

Cat. No. 1341

**100 ft. Roll, \$1.50**

**CRL 6,000 OHM Potentiometer**

Cat. No. 339

**Our Price 35c**

\$3.90 per dozen



**Universal Range Clarostat**

For all "B" eliminators, as variable voltage dividers, or for controlling R. F. "B" voltage and incidentally tube oscillation. Also useful as volume control. Range 0—10 Meg.

Cat. No. 364

**Our Price**

**75c**



**Yaxley Jr. or Carter Midget Rheostats and Potentiometers**

Rheostats—Up to 30 Ohms  
Regular Merchandise

Cat. No. 356.

**Our Price 35c**

\$3.75 per dozen



**Potentiometers or Volume Controls**

200 to 10,000 Ohms

Cat. No. 357.

**Our Price 38c**

\$4.20 per dozen

10,000 to 500,000 Ohms

Cat. No. 358.

**Our Price 58c**

\$6.50 per dozen

**EBY Twin Posts**

Perfect gripping contacts, solidly moulded in bakelite. Marked: "SPEAKER" and "FIELD." Serve many purposes.

Cat. No. 324

**20c each**



**Bakelite Wafer Sockets**  
For sub-panel mounting. Phosphor bronze contact springs. Sockets are marked: 226, 227, 324, 328, 346.  
Cat. No. 1380.

**Our Price..... 6c**  
50 for \$2.75 Each

**Trouble Finder and Adapter**

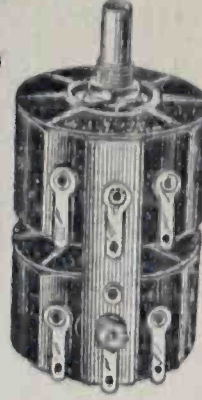
Especially adapted to trouble finding and making all circuit connections to a 6 prong tube base where no wires are exposed. Plate, grid cathode, or heater circuits can be opened readily for connection of meters or test equipment. May be used for connecting phonograph pickups or meters to radio sets or amplifiers.



Cat. No. 1445

**Our Price \$1.02**

**Duo Type Clarostat**



Where it is desired to control two circuits simultaneously, the Duo Type Clarostat meets the most critical requirements. The device comprises two Volume control Clarostats arranged in tandem, for single control. The units are electrically insulated from one another, so that their respective circuits are kept separate and distinct.

Cat. No. Resistance In Ohms.

Cat. No.	Resistance In Ohms.	Our Price.
DP-10 C-1	100	\$1.80
DP-10 C-2	200	1.80
DP-10 C-4	400	1.80
DP-10 C-5	500	1.80
DP-10 M-1	1,000	1.80
DP-10 M-2	2,000	1.80
DP-10 M-3	3,000	1.80
DP-10 M-5	5,000	1.95
DP-10 M-10	10,000	1.95
DP-10 M-15	15,000	2.10
DP-10 M-20	20,000	2.10
DP-10 M-25	25,000	2.10
DP-10 M-40	40,000	2.40
DP-10 M-50	50,000	2.40

Note: For dissimilar resistance combinations, add prices of the two desired resistances and divide by two, in obtaining the correct price.



### 100 Ohm Center Tap Special

Ideal for use with 2-281, 2-250, 2-210, in fact any 7½ or 15 volt tubes, and a host of other purposes, such as "C" biasing screen grid tubes. Remember, this particular size can be used to better advantage than the considerably smaller sizes, due to the fact this larger size does not heat up, and does not draw any current or energy from the filament winding!

Cat. No. 698

Our Price **75c** Per Dozen  
 In lots of 50.....\$2.50  
 In lots of 100.....4.25

### Wire Wound Grid Suppressors



Cat. No. 350  
 Cat. No. 351

YOUR CHOICE: From 1 ohm to 3,000 ohms—Including every resistance value available.

15c each, \$1.75 per dozen

Cat. No. 350. Flexible Type  
 Cat. No. 351. Rigid Type

(State value resistance desired)

### Wire Wound Biasing Resistors



Terminal lug connections. Used by many leading set manufacturers. Make ideal grid suppressors. Cat. No. 666. 1,400 ohms. For "C" biasing 171 and 245 tubes. Same as used by "Majestic" and "Temple." Cat. No. 667. 550 ohms. For "C" biasing 3-226 tubes. Used by "Majestic."

Cat. No. 668—750 ohms.

Our Price **15c**  
 Per Dozen, \$1.25

Assortment of Important Sizes of Ward-Leonard Omite, Isolohm, Kroblak, Etc., Resistors



### Carbon Pig-Tail Resistors

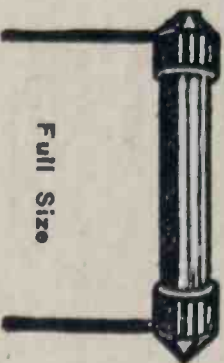
Cat. No.	Ohms	Cat. No.	Ohms	Cat. No.	Ohms
683	100	700	1,200	713	20,000
684	150	701	1,500	715	40,000
685	200	702	2,000	716	50,000
686	250	703	2,500	718	75,000
687	300	704	3,000	719	100,000
689	500	708	5,000	722	250,000
690	600	709	6,000	723	500,000
692	750	710	10,000	724	10,000
696	900	711	15,000	725	1 Meg.
697	1,000	712	20,000	726	2 Meg.

Cat. No. 727.....3-4-5-6-7-8-9-10 Megs.

Our Price **7½c** Each  
 In lots of 100

In lots of 25, \$2.00  
 In small lots, 3½c. each  
 ANY ASSORTMENT PERMITTED

### Metalized Pig-Tail Resistors



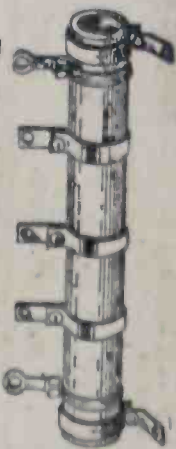
Full Size

1 WATT UNITS	1 WATT UNITS	2 WATT UNITS	2 WATT UNITS
Cat. No.	Ohms	Cat. No.	Ohms
1473	250	1493	50,000
1474	400	1494	75,000
1475	500	1495	100,000
1476	1,000	1496	100,000
1477	1,500	1497	150,000
1478	2,000	1498	200,000
1479	2,500	1499	250,000
1480	3,000	1500	300,000
1481	4,000	1501	400,000
1482	5,000	1502	5 Meg.
1483	6,000	Choice of 1 to 10 Megs.	
1484	7,000	2 WATT UNITS	
1485	8,000	1503	250
1486	9,000	1504	400
1487	10,000	1505	500
1488	15,000	1506	1,000
1489	20,000	1507	1,500
1490	25,000	1508	2,000
1491	30,000	1509	2,500
1492	40,000	1510	3,000
		1511	3,500

Your Choice **15c** Each

Here is a Popular Resistor Kit:

### Tapped Standard & Variable Voltage Dividers



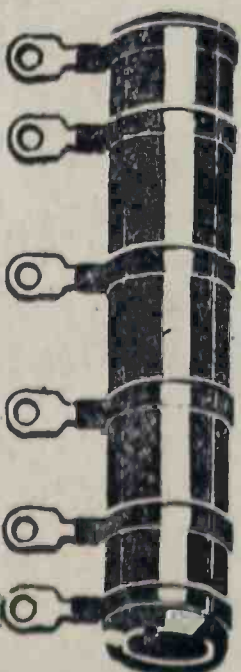
For All A.C. and D.C. Sets

By varying the position of the various movable clamping collars, it is possible to obtain any resistance value combinations. Accurately wire wound!

Cat. No. 1321  
 Total 10,000 ohms, with 3 sliders 4½ in. long.

Cat. No. 1322  
 Total 25,000 ohms, with 4 sliders, 5¼ in. long

Our Price **75c**  
 \$8.40 per dozen



### For Freed, Earl, Freshman, Freed Eiseman Sets

Cat. No. 1451.  
 Total 10,950 ohms with 6 taps.....95c  
 Cat. No. 1452.  
 Total 18,100 ohms with 6 taps.....\$1.10

### For Mohawk, Wurlitzer and Lyric Sets

Cat. No. 1453.  
 Total 6,200 ohms with 6 taps. 5¼ in. long...\$1.10  
 Cat. No. 1454.  
 Total 8,400 ohms with 5 taps. 5¼ in. long...\$1.25

### Earl-Freed 150 Ohm Resistance

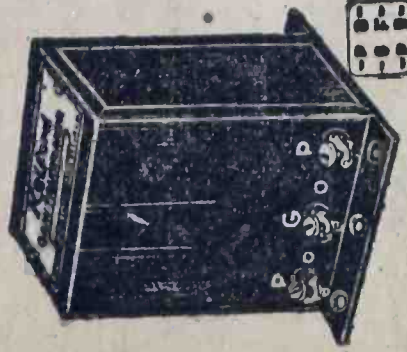
Cat. No. 1455  
 Our Price **35c**  
 \$3.60 per dozen



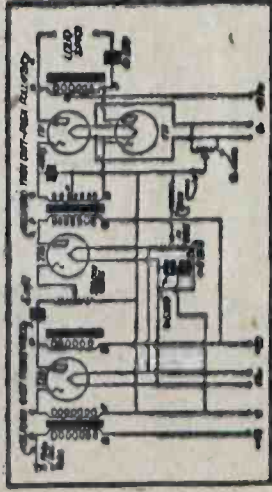
## Kelford Gain Audio Transformer

Two A. F. Stages  
in One!

Combines an Audio A. F. Transformer and Impedance Choke!



A novel two stage audio transformer combining the effectiveness of transformer coupling and impedance matching, all contained in one compact unit. The first audio transformer has a very low ratio and a large primary which produces a high inductance and makes possible a constant amplification factor over the entire musical scale. This unit may replace the first and second audio



transformer of any amplifier now in use. When substituted for these and coupled to a third stage of push pull, it produces an amplifier capable of immense volume and remarkable preservation of tone! Detailed blue print furnished with each unit, giving consonant values and other valuable information.

Whenever desired, the impedance choke winding can be left idle, permitting the use of this instrument as a conventional audio transformer of marked superiority, with the usual primary and secondary enclosed in a beautifully japanned metal case, 3 1/8 in. long, 3 1/4 in. wide, and 4 in. high. Diagram shows 171 PUSH-PULL tubes—245 or 250 tubes can be used instead. It is suggested you use the MATCHED PUSH-PULL TRANSFORMER listed under Cat. No. 1462.

Cat. No. 1461

**Our Price**

**\$1.85**

Cat. No. 1462

**Push-Pull Input and Output Unit, in one case**

**Our Price**

**\$2.95**

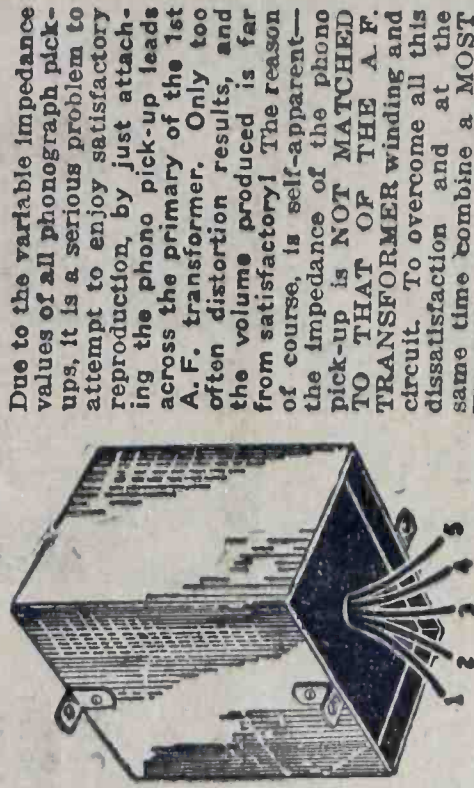
## Radax Audio Transformer

Ratio 3/2 to 1. Fully shielded. Binding post terminals. Easily mounted feet. Noted for fine quality of construction.



## Radax 1st A. F. Stage Audio Transformer

With Special Coil for Phonograph Pick-Ups



Due to the variable impedance values of all phonograph pick-ups, it is a serious problem to attempt to enjoy satisfactory reproduction, by just attaching the phono pick-up leads across the primary of the 1st A. F. transformer. Only too often distortion results, and the volume produced is far from satisfactory! The reason of course, is self-apparent—the impedance of the phono pick-up is NOT MATCHED TO THAT OF THE A. F. TRANSFORMER winding and circuit. To overcome all this dissatisfaction and at the same time combine a MOST EFFICIENT AUDIO TRANSFORMER AND MINIMIZE EXPENSE, the RADAX LABORATORIES are offering a happy solution to this problem. You will be very much impressed by the absolute fidelity of reproduction, absence of distortion and amazing volume of phono pick-up amplification. Incidentally there is NO BETTER AUDIO TRANSFORMER MADE—as such, it can be used in either the 1st or 2nd A. F. stages. It will pay you to rip out your present audio equipment, and install these superior RADAX units! Fully shielded—for sub-panel, or base board mounting. Note clever bracket arrangement! Terminals connect as follows: Nos. 1 and 2; PRIMARY; Nos. 3 and 4; SECONDARY; No. 5; PHONO. PICK-UP MATCHING COIL (other terminal of pick-up to Ground or Negative "B"). 4 1/4 in. high, 3 1/4 in. wide, 3 3/4 in. long.

Cat. No. 1468

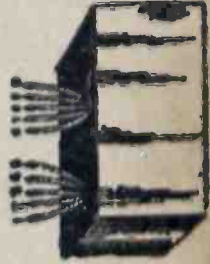
**Our Price**

**\$2.65**

## Radax Push-Pull Input and Output Audio Unit

With Self Contained Dynamic Speaker Voice Coil Matching Output Transformer—and Magnetic Speaker Output Transformer Combined

Perfectly adaptable for use with 250, 245 and 171A power tubes! Produces gigantic volume, with a perfection of reproduction only akin to living likeness and reality! Although this unit will operate in conjunction with any 1st A. F. stage audio transformer, it is our sincere recommendation that you use our Cat. No. 1468 RADAX 1st A. F. Stage Transformer, described above, for results per excellence. INPUT unit terminals...



## Radax Twin Audio Unit

Contains TWO HIGHEST QUALITY AUDIO TRANSFORMERS IN ONE FULLY SHIELDED (Electro-Magnetically and Electro-Static!) METAL CASE, OF HEAVY GAUGE. Note clever mounting provision for sub-base, or base-board assemblies! 4 1/4 in. x 3 1/4 in. x 3 3/4 in.

Cat. No. 1543

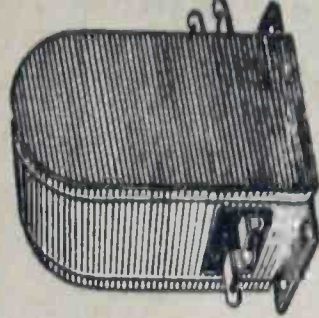
Contains 2—3 1/2 to 1 Transformers **\$1.25**

Cat. No. 1544

Contains 1—5 to 1 and 1—3 to 1 Transformers **\$1.75**

## Peerless Fully Shielded Audio Transformer

We doubt if there is a better audio transformer on the market today. No expense was spared to produce this high class instrument. PEERLESS never skimped on the parts they used in their cast! The transformer itself is housed within a moisture-proof compound. The iron core measures 1 3/16 in. wide, 2 3/4 in. high, 2 1/2 in. long, 2 3/4 in. deep.



Cat. No. 1538—2 to 1 Ratio..... **\$0.75**

Cat. No. 1537—3 1/2 to 1 Ratio..... **\$1.30**

Cat. No. 1538—5 to 1 Ratio..... **\$1.75**

## Silver-Marshall 255-P Phono. Pick-up Matching Transformer

One tip of pick-up connects to one terminal on this instrument, and the other tip to the ground; the remaining two terminals on this transformer are connected to the grid circuit of the 1st A. F. Tube. In reality, THIS UNIT ACTUALLY REPLACES THE 1st A. F. AUDIO TRANSFORMER of the usual type, so far as phono pick-up amplification is concerned.





**Peerless**  
245 Condenser Bank  
For Peerless Sets  
No. 22, 23A, 24,  
25, 71, 72.

Arrangement of Terminals:

Black—Common for Green: 1 mfd.; Green: 1 mfd.;  
Brown: 1 mfd.; Yellow: 5 mfd.; Orange: .5 mfd.;  
White—Common for Red: 2 mfd. (600 volts); Blue: 1  
mfd. (400 volts).

5½ in. x 2½ x 2½

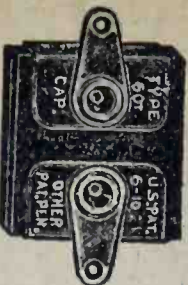
Cat. No. 206

Our Price **\$33.85**

Lots of 6, \$21.00

(Ideal for replacement in any 245 Set or installation in new power pack.)

**Dubilier, Micamold, Sprague, Splitdorf, Aerovox, Radax, Polymet Fixed Mica Condensers**



Capacity	List	Capacity	List
.0001	25c	.0025	30c
.00015	25c	.003	40c
.00025	25c	.004	40c
.0005	25c	.005	50c
.001	30c	.006	50c
.002	30c		50c

\$1.00 per dozen  
Any Assortment of 50, \$3.95  
Cat. No. 260

**Polymet By-Pass Tubular Condenser**



Ideal for use across Choke Terminals in Victor Sets, and many others, to reduce hum.

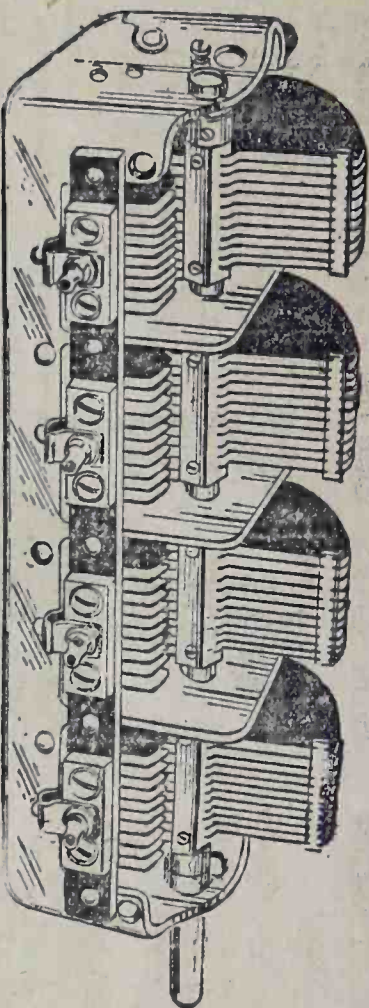
1 Mfd. 200 Volts  
Cat. No. 256  
Our Price **17c**

\$1.80 per dozen

Crosley and Potter .5 Mfd.

Bv-Pass

**PEERLESS SHIELDED SCREEN GRID R.F. COILS AND MATCHED FOUR GANG .00035 VARIABLE CONDENSER**

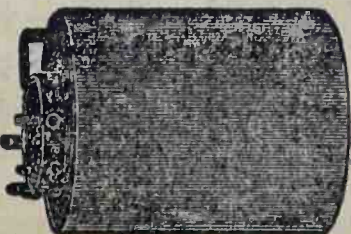


**4 Gang Bath-Tub Condenser**

Built upon a solid steel chassis of such rigidity that warping is an absolute impossibility. You can, therefore, expect absolute perfection of service after ten years of use! Oversize bearings! Generous size section shields! Micrometer adjustable compensators! Each rotor can be separately adjusted on main bearing shaft! Condenser can be mounted to a receiver chassis on all three sides, permitting use of operating shaft from either the left or right! 9 in. long, 3½ in. wide, 3½ in. clearance required with rotors wide open.

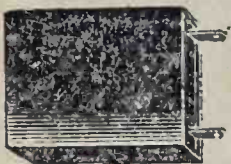
- Cat. No. 529 ..... **\$2.85**
- .00035 Mfd. .... **\$3.35**
- Cat. No. 550 ..... **\$3.35**
- .0005 Mfd. .... **\$1.95**

If it was good enough for the Peerless A.C. Receivers, then you can surely safely adapt these remarkably efficient coils for ANY screen grid circuit. Space wound enameled wire over specially treated bakelite tubing. Each coil is equipped with a most valuable R. F. Choke—certainly a most necessary adjunct. Note the clever and convenient mounting brackets, suitably tapped for ready mounting. For .00035 Mfd. Condensers.  
Coils are 27/8 in. long by 1½ in. diameter.  
Complete Set of 4 Coil Shields, 4 Brackets, R.F. Chokes, 4 Coils (1 Antenna, 3 Screen Grid)  
Cat. No. 232  
Our Price **\$1.25**  
Cat. No. 549.  
For .0005 Mfd. Coils **\$1.75**



Coils Are Equipped with Aluminum Shields and Self Contained R. F. Chokes  
Also Available for .0005 Mfd.  
Ideal for use in D-X Receivers

Fada ½ Mfd.  
300 Volt  
Cat. No. 1591  
1 Mfd. 1592  
Cat. No. 1592  
25c each



**Micamold Midget Condensers**



Bakelite moulded! Choice of .00015, .00025, .0005, .001, .002, .005 Mfd.  
Cat. No. 1593  
8c each

**Dubilier Replacement Blocks**

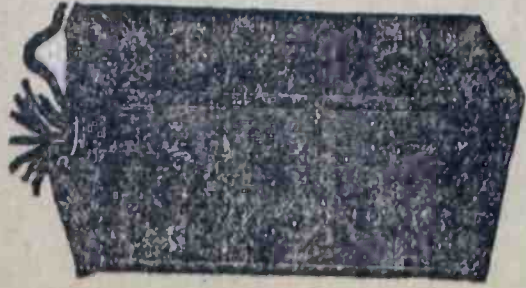


FOR **MAJESTIC**  
"B" Eliminators  
ALL MODELS  
All Brand New and Fully Guaranteed

Guaranteed for a period of one year. Composed of high voltage condenser sections of highest grade. Also ideal for use in any "B" eliminator, or 171-245 power pack. Will last indefinitely. Easily replaced.  
Cat. No. 240  
Our Price **\$4.80**

### Peerless Condenser Block

For All Courier and Kyletron Models 21, 651, 652, 653



Total 7 Mfd. voltage

- 2 leads—2 Mfd. 600 V.
- 2 leads—2 Mfd. 400 V.
- 1 lead—1 Mfd. 300 V.
- 1 lead—1 Mfd. 200 V.
- 1 lead—½ Mfd. common
- 1 lead—½ Mfd. common

Cat. No. 267

**Our Price**

**\$1.00**

Lots of 12, \$10.80

### Potter 2 Mfd

Filter Condenser High Voltage Condensers

600 Volts Rating

Cat. No. 279

**Our Special Price**

**75c**



### Stromberg-Carlson Condensers

Cat. No. 276—3½ mfd. 600 volts rated DC Working Voltage. Replacement for RCA Uni-Rectron Power Amplifier

**\$1.25**

Cat. No. 277—3¼ mfd. 600 volts rated DC Working Voltage (used, but guaranteed as rated)

**95c**

Cat. No. 278—20 mfd. 250 volts rated DC Working Voltage

**\$2.50**



### Dubilier-Zenith Replacement Condenser

FOR ZENITH Models

### Standard Replacement Block

9.6 Mfd.—Ideal for 171 Sets 4¾ in. x 2½ in. x 5 in. Contains: 2-2 Mfd., 2-1 Mfd., 1-1 Mfd. Sections



**Our Price**

**\$1.50**

Cat. No. 291

### Non-Inductive Filter Radax or National 250 Condenser Block

For Replacement in All Sets



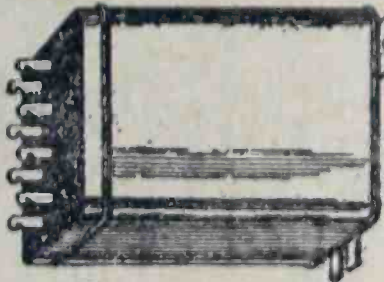
Using 250 Power Tubes Contains: 3-2 Mfd.; 5-1 Mfd. Cat. No. 292

**Our Price**

**\$6.90**

### Philco-Dubilier Condenser Blocks

For A & B Combination and Early Model Sets such as 511. Also ideal for any "B" eliminator or 171A set power pack. Contains: 2-2 Mfd., 1-1 Mfd., 2-5 Mfd., 1-1 Mfd. sections. 3¾ in. x 2¼ in. x 5¼ in. Cat. No. 270



**Our Price**

**\$1.50**

### Faradon 6 Mfd. Filter Condenser Block

Tapped at 1, 2 and 3 mfd. DC working voltage 450. Arrangement of Terminals: No. 1, 1 Mfd.; No. 2, 2 Mfd.; No. 3, 3 Mfd.; No. 4, Common.



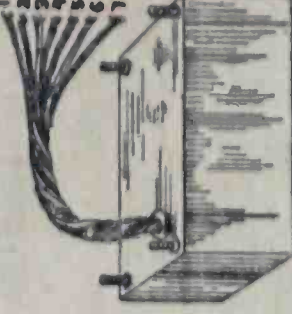
Size 4¼ x 3 x 2¼ in.

Cat. No. 1727

**SPECIAL**

**90c**

### "Hy-Test" 8½ Mfd. Block



Unexcelled for Repair Jobs With vari-colored leads.

Arrangement of Terminals—No. 1 (Black) Common; No. 2 (Red), 3 Mfd.; No. 3 (Green), 1 Mfd.; No. 4 (Brown), 1 Mfd.; No. 5 and No. 6 (Green), each 1 Mfd.; No. 7 (Yellow), .5 Mfd.

Size: 6¼ x 3½ x 1

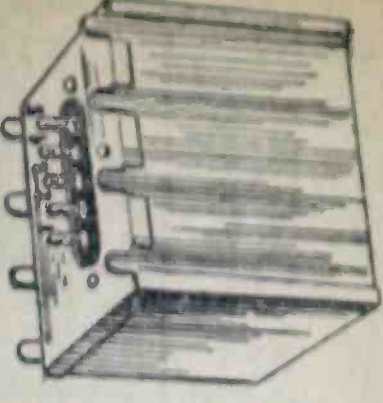
**Our Price \$1.75**

### Victor Condenser Replacement Block

For Any Make 245 Set!

For Replacement in All Victor Sets and Other Sets

Arrangement of Terminals: No. 1, 5 Mfd.; No. 2, 5 Mfd.; No. 3, 1.5 Mfd.; No. 4, Common; No. 5, .5 Mfd. Total 10¼ Mfd. 600 working voltage D.C., conservatively rated. Size: 5¼ in. long, 5 in. high and 4 in. wide. Housed in a durable metal can.



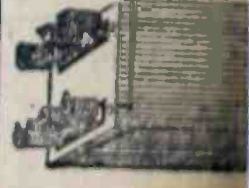
**Our Price**

**\$2.95**

Cat. No. 271

### Dubilier High Voltage Filter Condenser—PL 571

Replacement Condenser for Federal



### Freed-Eisemann NR 60 AC

Condenser Blocks

Total, 11 Mfd., 2¼ in., 2¼ in., 5 in. high. 8 leads in all.

List Price \$12.00

## Radax High Voltage "Surge-Proof" Filter Condenser Units



**100% Replacement Guarantee! Ideal for general replacement purposes or for installation in any new power pack!**

Every Service Man should always have on hand several units of each capacity and voltage to meet every emergency!

Most compact condenser sections on the market—every condenser is TRIPLE TESTED after it has been "wound" after it has been thoroughly impregnated and steeped in pitch, and before shipment.

Each condenser is furnished with eight inch lengths of tinned "push-back" wire. We have attained TREMENDOUS SALES on these condensers, due to their outstanding superiority.

### 300 VOLTS

Cat. No.	Mfd. Capacity	Our Price	In Dozen Lots
1381	.1	14c	\$1.55
1382	.25	16c	1.80
1383	.5	18c	2.00
1384	1.	22c	2.45
1385	2.	34c	3.80
1386	4.	46c	5.00

### 450 VOLTS

Cat. No.	Mfd. Capacity	Our Price	In Dozen Lots
1387	.5	23c	\$2.55
1388	1.	26c	2.90
1389	2.	38c	4.25
1390	4.	55c	6.00

### 600 VOLTS

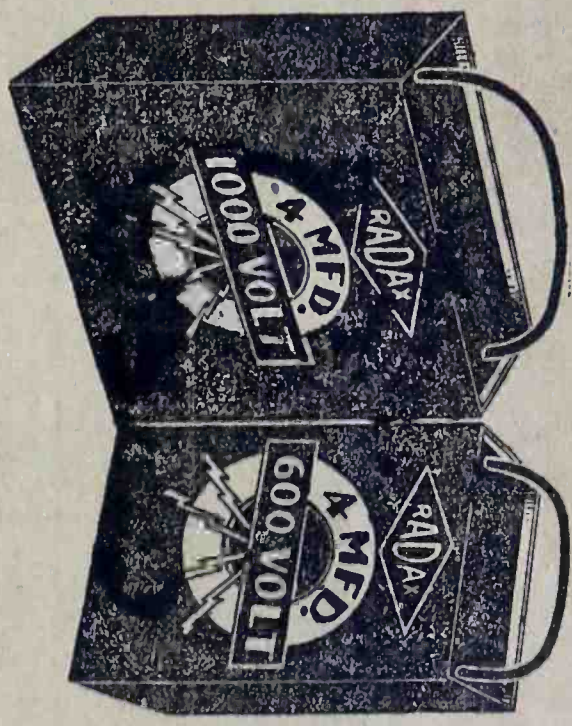
Cat. No.	Mfd. Capacity	Our Price	In Dozen Lots
1391	1.	35c	\$3.95
1392	2.	45c	5.00
1393	4.	75c	8.25

### 800 VOLTS

Cat. No.	Mfd. Capacity	Our Price	In Dozen Lots
1394	1.	45c	\$5.05
1395	2.	75c	8.40
1396	4.	1.30	14.40

### 1,000 VOLTS

## Radax Encased Super-Laboratory Model High Voltage Condensers



### Guaranteed for 1 Year—Free Replacement!

Combines both presentable appearance and all-around excellence, both electrically and mechanically! IMPERVIOUS TO MOISTURE AND ATMOSPHERIC CONDITIONS. MULTI-TISSUE, METAL-FREE dielectric insures against possibility of breakdown under sudden excessive voltage surges and absolute FREEDOM FROM POSSIBLE LEAKAGE. COSTS SLIGHTLY MORE—BUT UNDENIABLY WORTH THE FEW ADDITIONAL PENNIES! FOR ALL TYPES OF PUBLIC ADDRESS SYSTEMS, POWER AMPLIFIERS, A.C. SET POWER PACKS, ETC.

### 450 Volt

Cat. No	Our Price	Per Dozen
1647	Each \$0.70	\$8.00
1648	1 mfd. .90	10.00
1649	2 mfd. 1.75	19.75
	4 mfd.	

### 600 Volt

Cat. No	Our Price	Per Dozen
1650	Each \$0.90	\$10.00
1651	1 mfd. 1.25	13.50
1652	2 mfd. 2.25	25.00
	4 mfd.	

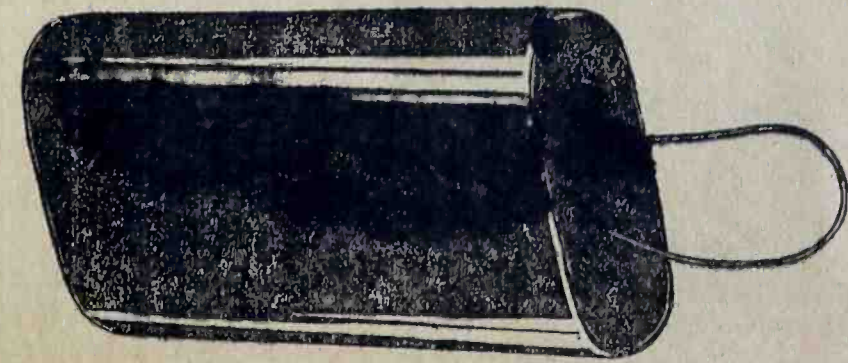
### 1000 Volt

Cat. No	Our Price	Per Dozen
1653	Each \$1.20	\$13.00
1654	1 mfd. 2.40	25.50
1655	2 mfd. 4.25	48.75
	4 mfd.	

## Freshman 15 Mfd. 171

## Super-Laboratory Model "Surge-Proof"—High Voltage—Heavy Duty—Impregnated Filter Condensers

### Guaranteed 1 Full Year—Free Replacement



For the discriminating Radio Engineer, or Service Man that only WANTS THE BEST IN HIGH VOLTAGE FILTER CONDENSERS, this series of condensers fills a long felt want. Were we to mention the manufacturer's name, our sales could not help but TRIPLE—due to the ridiculously low prices we quote, it would hurt his regular trade considerably, hence the absence of the name, as per agreement! However, our assertion alone that these units represent the very ACME of ENGINEERING HEIGHTS—in short, we doubt if finer condensers could be made any better! Heavily coated with a moisture resisting wax compound, and equipped with unique terminals.

**YOU COULD SELECT NO BETTER FILTER UNITS FOR PUBLIC ADDRESS SYSTEMS—AMPLIFIERS—POWER PACKS, etc., etc.**

### 450 Volt

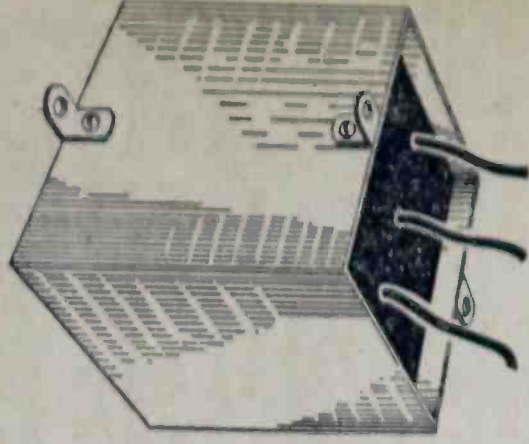
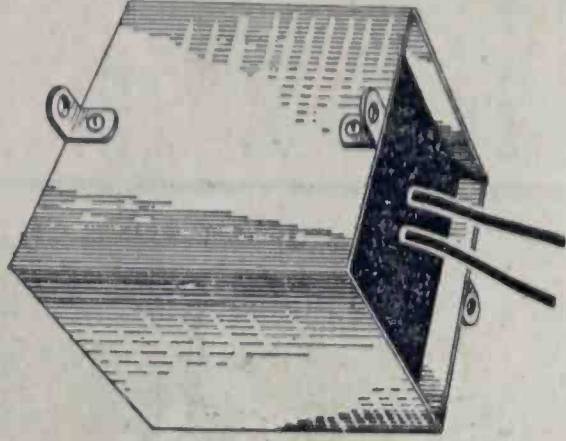
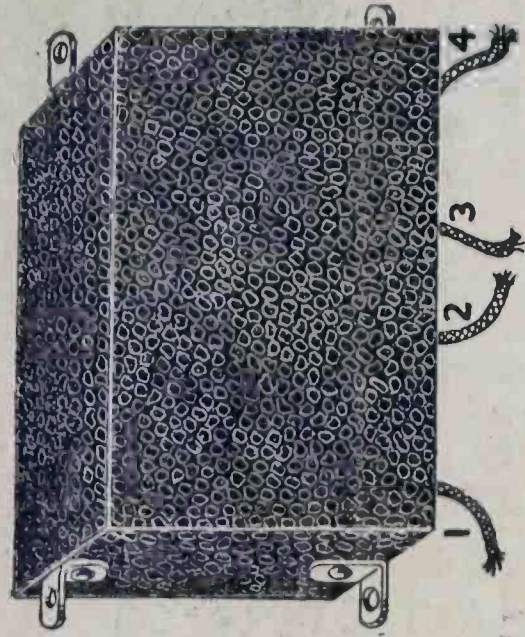
Cat. No.	Our Price	Per Dozen
1660	Each \$0.55	\$6.00
1661	1 mfd. .70	7.75
1662	2 mfd. .95	10.25
	4 mfd.	

### 600 Volt

Cat. No.	Our Price	Per Dozen
1663	Each \$0.70	\$7.75
1664	1 mfd. .95	10.30
1665	2 mfd. 1.35	15.00
	4 mfd.	

# "HEAVY-DUTY" 250-245-171 FILTER CHOKES AND REACTORS

The Chokes Contained in These Cases Were Manufactured by **THORDARSON** The Chokes Contained in These Cases Were Manufactured by **GENERAL ELECTRIC**



We believe we are the only Radio supply house offering so varied and complete assortment of filter chokes; in fact, we have available one for practically every requirement. These Thordarson-Chokes are enclosed within moisture-proof, heat resisting compound filled, heavy gauge, attractive metallic cases, with a unique bracket arrangement permitting mounting either on a sub-panel or on a baseboard. These highest quality

chokes are ideal for short-wave transmitters, heavy duty push-pull 250 (and 245) public address systems—250 amplifiers and power packs for all A. C. sets—general filtering requirements, etc. It does not pay to install cheap chokes. They will not eliminate objectionable A. C. hum completely; it will pay you to rip out any present filtering system of questionable merit! These chokes will reduce A. C. ripple far below commercial tolerance!

Cat. No.	Inductance in Henries	D.C. Resist. in Ohms.	Type	Size	Our Price
1555	8	100	.....	6 1/4 x 4 1/4 w. x 5 1/4 h.	\$8.75
1556	10	133	.....	6 1/4 x 4 1/4 w. x 5 1/4 h.	7.65
1557	18	200	.....	3 1/2 x 4 1/4 w. x 5 1/4 h.	2.60
1558	30	400	.....	3 1/2 x 3 1/4 w. x 4 1/4 h.	1.75
1559	30	400	Center Tapped	6 1/4 x 4 1/4 w. x 5 1/4 h.	8.00
1560	30	266	Center Tapped	6 1/4 x 4 1/4 w. x 5 1/4 h.	7.95
1561	60	800	Center Tapped	3 1/2 x 4 1/4 w. x 5 1/4 h.	5.75
1562	90	1200	Center Tapped	6 1/4 x 4 1/4 w. x 5 1/4 h.	7.85
1563	120	1600	Center Tapped	6 1/4 x 4 1/4 w. x 5 1/4 h.	6.25

### DOUBLE CHOKES

The two terminal leads of each choke are individually available

Cat. No.	Inductance in Henries of Each Choke	D.C. Resist. in Ohms. of Each Choke	Our Price
1564	4	125	1.75
1565	5	166	3.25
1566	8	260	2.55
1567	15	500	.95
1568	15	500	1.75
1569	15	333	3.55
1570	30	1,000	2.10
1571	45	1,500	2.85
1572	60	2,000	3.30

Cat. No.	Inductance in Henries.	Current Carrying Capacity in Mils.	D.C. Resist. in Ohms.	Type	Size	Our Price
1567	4	260	125	.....	3 1/2 x 3 1/4 w. x 4 1/4 h.	\$1.75
1568	5	195	166	.....	3 1/2 x 3 1/4 w. x 4 1/4 h.	3.25
1569	8	130	260	.....	3 1/2 x 3 1/4 w. x 4 1/4 h.	2.55
1570	15	65	500	.....	3 1/2 x 2 3/4 w. x 3 1/4 h.	.95
1571	15	130	500	Center Tapped	3 1/2 x 3 1/4 w. x 4 1/4 h.	1.75
1572	15	130	333	Center Tapped	3 1/2 x 3 1/4 w. x 4 1/4 h.	3.55
1573	30	65	1,000	Center Tapped	3 1/2 x 3 1/4 w. x 4 1/4 h.	2.10
1574	45	65	1,500	Center Tapped	3 1/2 x 3 1/4 w. x 4 1/4 h.	2.85
1575	60	65	2,000	Center Tapped	3 1/2 x 3 1/4 w. x 4 1/4 h.	3.30

### DOUBLE CHOKES

The two terminals of each choke are individually available

Cat. No.	Inductance in Henries of Each Choke	D.C. Resist. in Ohms. of Each Choke	Our Price
1564	4	125	1.75
1565	5	166	3.25
1566	8	260	2.55
1567	15	500	.95
1568	15	500	1.75
1569	15	333	3.55
1570	30	1,000	2.10
1571	45	1,500	2.85
1572	60	2,000	3.30

## A VERY USEFUL ARTICLE UNIVERSAL A. C. Filament Transformer



Contains two-five volt A. C. secondaries connected together, and one 110 volt A. C. primary. Will light 281, 250 or 210 tubes, as is. By separating the windings, it can light a choice of 7-1/4 amp. tubes at 5 volts, or one 280, or 2-245 tubes in series on one of the 5 volt windings. It will also light 3-226 tubes in series on one of the windings. By connecting two transformers together (primaries in parallel) any of the following combinations of tubes can be lighted: 5-224, 1-227 and 2-245; 4-224, 2-227, 2-245; 5-224, 1-227, 2-171A; 4-224, 2-227, 2-171A; 4-227, 2-171A, 1-280; 6-226, 2-171A, 1-280. No radio repair shop or experimental laboratory should be without 6 to 12 of these extremely useful units. Smallest made: 2 1/2 in. high, 1 3/8 in. wide, 1 7/8 in. thick. Cat. No. 1311

**Our Price . . . . . \$1.00**

**THORDARSON**  
FACTORY, N.Y.C.

## Power Compacts

Designed as a power unit for a simple and efficient power amplifier for home construction.

### R-171 MODEL CONTAINS:

1. A Power Supply Transformer of 320 volts either side of neutral, normal load. Designed for maximum efficiency operation of the Raytheon rectifying tube BH.
2. Two Buffer Condensers of 0.1 Mfd. each, across each side of the power supply transformer secondary.
3. Two Choke Coils of 80 milliamperes current carrying capacity each, 25 henries inductance. Will carry maximum output of the Raytheon BH rectifier.
4. A Five Volt Filament Supply for two UX 171 power amplifying tubes tapped at the exact electrical center for grid return.
5. The Primary of this power supply transformer is equipped with a six-foot cord and a separable plug for attachment to the light socket. For use with 115 volt 60 cycle alternating current only.

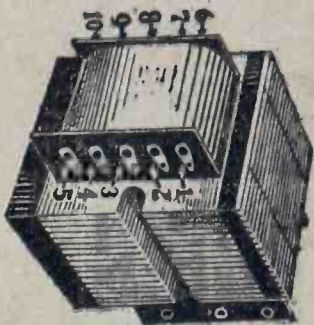


Cat. No. 294. R-171 Model . . . . . **\$4.95**  
Cat. No. 295. R-210 Model . . . . . **\$6.95**

## Thor darson-Sonora A.C. Power Transformer

Genuine Replacement Power Transformer for latest type Sonora Receiver Models B-31, B-33 and B-35.

For use with 224, 227, 245 and 280 tubes.

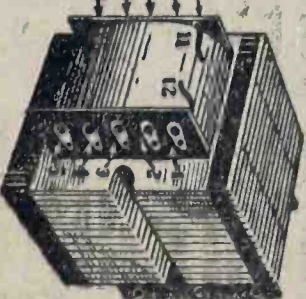


Arrangement of Terminals:  
No. 6 and 1, 2 1/2 V. A.C.; No. 7 and 2, 5 V. (for 280); Nos. 8, 9, 10, Hi-Voltage (Center Tapped); Nos. 3, 4, 5, Tapped Primary (No. 3 is common).  
Delivers 350 Volts on each side of the Center-Tap.  
Filament Winding of 5 Volts center-tapped for UX-280 Rectifying tube and 2 1/2 Volts Filament Winding for 4-0Y-224, 1-227 and 2-245 tubes.  
Operates on 100-130 Volts 50-60 Cycles A.C. current.

Cat. No. 402 for 60 cycle **\$2.95**  
Cat. No. 403 for 25 cycle **\$3.65**

## Two 2 1/2 Volt Fil. 245 Push-Pull Thor darson A.C. Power Transformer

It is many times desired to have the 245 tube filaments separately wired from the balance of the 2 1/2 volt A.C. filaments—this then is the ideal transformer to employ. Can be used as a general replacement transformer, or for use in new power amplifiers and A.C. receivers. The terminals are as follows: Nos. 3, 4, 5, Tapped 110 volt A.C. Primary; No. 8 and 10, High Voltage Secondary; No. 9, Center Tap for High Voltage; Nos. 7 and 2, 5 volt for 280 filament; Nos. 6 and 1, 2 1/2 volts for 6-224 or 227 tubes; No. 11 and 12, 2 1/2 volts for two 245 tubes, 3 1/2 in. x 2 3/8 in. x 3 3/4 in.



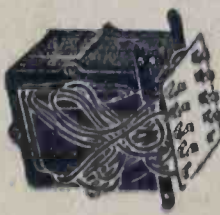
Cat. No. 365. For 60 cycle . . . . . **\$3.95**

Cat. No. 366. For 25 cycle . . . . . **\$4.95**

**NOTE**—Either of above models can be mounted in a pitch filled metal can for \$1.50 additional—choice of long wire terminals or soldering lugs.

## A.C. Replacement Trans.

## Bosch 245 (Up to 800 Volts A.C.) Power Transformer Equipped with Three 2 1/2 Volt A.C. Filament Secondaries



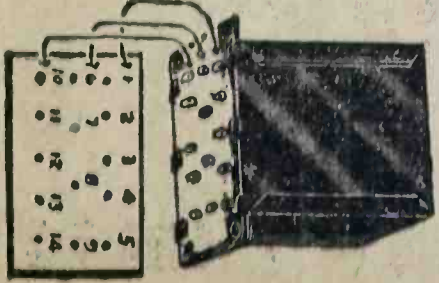
One of the largest 245 A.C. Power Transformers available. Made for extra heavy duty use—will safely withstand any unusual "overload." Terminals are as follows: Nos. 1 and 4: Blank; No. 2: Common Primary; No. 14: 105 V. A.C. tap; No. 15: 110 V. A.C. tap; No. 16: 120 V. A.C. tap; No. 17 and 18: High Voltage A.C. (up to 800 volts); No. 5: Center Tap for Nos. 17 and 18; Nos. 9 and 13: 2 1/2 V. A.C. for 2-2 1/2 V. tubes; Nos. 6 and 10: 2 1/2 V. A.C. for 2-2 1/2 V. tubes; Nos. 8 and 12: 2 1/2 V. A.C. for 5-2 1/2 V. tubes; No. 7 and 11: 5 V. A.C. for 280; No. 3: Center Tap for Nos. 7 and 11. Size: 4 3/8 in. high, 4 in. wide, 3 5/8 in. thick! The iron core is 2 1/2 in. long!  
Cat. No. 1535.  
Our Price . . . . . **\$6.75**

1	2	3	4	5
6	7	8	9	
10	11	12	13	
14	15	16	17	18

## A.C. Replacement Transformer for ZENITH 52, 53, 54, 55, 50, 70, 71, 72, 73, 77 A. C. Sets

Equipped with tapped primary and two 2 1/2 volt A. C. Windings

Terminals are as follows: No. 1: Common Primary; No. 6: 110 V. tap; No. 10: 120 volt tap; Nos. 2 and 11: High Voltage A. C. Secondary; No. 7: Center Tap for Nos. 2 and 11; Nos. 3 and 12: 2 1/2 volts A. C. for 6-227 or 224 tubes; Nos. 4 and 13: 2 1/2 volts A. C. for 2-245; No. 8: Center Tap for Nos. 4 and 13; Nos. 5 and 14: 5 volt A. C. for 280; No. 9: Center Tap for Nos. 5 and 14. Designed for heavy duty power packs!  
Cat. No. 1314



**Our Price . . . . . \$6.95**

## Thor darson Filter

### Choke

30 Henrys—150 Mills  
DC resistance 290 ohms, insulated for



### A. C. Power Transformer for Radiolas 33, 18, 17 and 51

For UX-226, UY-227 and 171-A Power Tubes



Primary voltage 110-120 volts, 50-60 cycles, filament rating 50 watts. Rated to supply filament voltage for four 226, one 227 and one or two 171-A's and one UX-280 tubes, also high plate voltage of 600 volts center-tapped.

Terminals are as follows: No. 1 and No. 2, 5 volts for 280; No. 3 and No. 4, 5 volts for 171A; No. 5 and No. 6, high voltage secondary; No. 7, center tap for Nos. 5 and 6; No. 8 and No. 9, 2½ volts A. C.; No. 10 and No. 11, 1½ volts A. C.; No. 12, No. 13, No. 14; tapped primary for 110 volt A. C. 60 cycle.

**Our Price \$4.90**

Lots of 12, \$4.50 each

### A. C. Power Transformer for

### R.C.A. Radiolas 60-62

Furnish filament current for 6 or 7-227, 1 or 2-171A, 1-280. Also high plate voltage secondary, properly center-tapped.

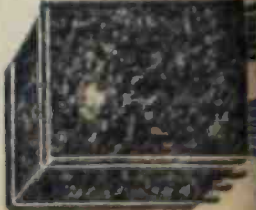
Terminals are as follows: No. 1, No. 2 and No. 3, tapped primary for 110 volt A. C. 60 cycle; No. 4 and No. 5, high voltage secondary; No. 6, center tap for No. 4 and No. 5; No. 7 and No. 8, 2½ volts A. C.; No. 9 and No. 10, 5 volts for 171A; No. 11 and No. 12, 5 volts for 280.

**Our Price \$5.80**

### A. C. Power Transformer for Radiolas 44-46

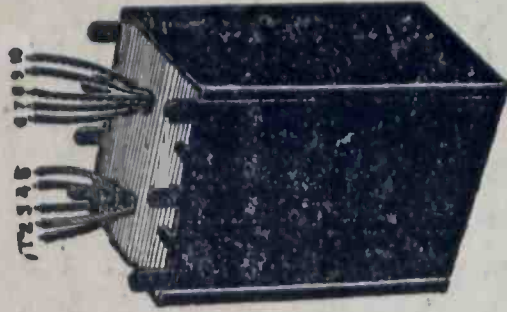
For 3-224, 1-245, 1-280 as used in sets named, but will actually operate 4-224, 2-227, 2-245, 1-280.

This transformer is adaptable to all similar receivers. Two 2½ volt filament windings can be used for any combination of 2½ volt tubes. 330 volts across each half of center tapped secondary, connecting across 280 tube.



### A. C. REPLACEMENT TRANSFORMER FOR RADIOLA 66 A. C. SETS

For 6 or 7-227, 1 (or 2) 245, 1-280



Hundreds of these transformers are being purchased by repairmen for use in any A. C. set requiring up to eight 2½ volt tubes! Terminals are as follows: Nos. 1, 2 and 3, 110 volt tapped A. C. primary; Nos. 4 and 5, 2½ volts A. C.; Nos. 6 and 8, High Voltage; No. 7, Center Tap for Nos. 6 and 8; Nos. 9 and 10, 5 volts for 280.

Cat. No. 325

**Our Price \$6.95**

### R.C.A. Double Filter Chokes

RCA Replacement Part No. 8336

For the Radiola 33, 18 and 17

Contains Two 30 Henry 100 Milli Chokes



This heavy duty, rugged, double Filter Choke is excellent for all types of filter circuits and experimental work in receiving sets, power amplifiers, eliminators, transmitters and various other purposes. When connected in parallel these double Filter Chokes have a capacity of 30 Henries at 200 Milla, and when connected in series have 60 Henries at 100 Milla.

Each Choke has a 1000 Volt insulation test and the D.C. resistance is 400 ohms. Fully shielded in metal case with special insulating compound.

Cat. No. 381

**Special 75c**

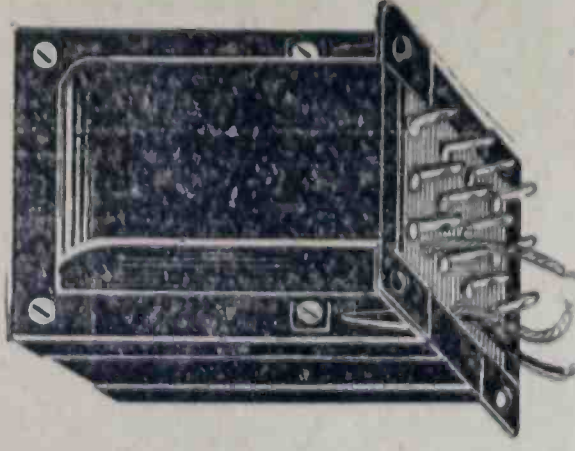
### A. C. Fil. and A. C. Plate Transf. for MAJESTIC 7B6, 7P3, 60, 70, 80, 7BP3, 7BP6, A. C. Receivers



Filament Transformer

Contains: Primary winding: 2-110 volt A. C.

## THORDARSON 245 "A-B-C" Push-Pull Power Transformers



Special model for converting battery receivers into A. C. operated models.

For 4 or 5-226, 1 or 2-227, 2-245, 1-280

Here is a boon to all set builders and repairmen — convert any battery set into a modern A. C. receiver in surprisingly short time. As 226 tubes are used in the R. F. and 1st A. F. stages, the present UX sockets need not be changed — only one socket to change in your set, the detector, as you will use therein a 5 prong 227 tube. The average A. C. transformer for converting sets is designed for 171A's, which are very much less efficient than 245's.

Furnishes all "A-B-C" Voltages!

This miniature power plant places in discard cumbersome and very inefficient "A" and "B" eliminators, batteries, storage batteries, chargers, etc! Just plug into any 60-cycle A. C. lamp socket. Terminals are as follows: Nos. 1 and 2: Primary; Nos. 4 and 5: High Voltage Secondary (680 volts A. C.); No. 6: Center Tap for Nos. 4 and 5; Nos. 7 and 8: 5 Volt A. C. for 280 Rectifier; Nos. 9 and 15: 2½ volt A. C. for 2-245; No. 12: Center Tap for Nos. 9 and 15; Nos. 11 and 14: 2½ volts A. C. for 1 or 2-227; No. 3: Center Tap for Nos. 11 and 14; Nos. 10 and 13: 1½ volts A. C. for 4 or 5-226. We furnish simple instructions to enable any novice to change over any battery set for A. C. operation.

Versatility of Uses!

These A. C. transformers are in big demand, as they can be used to convert Raytheon tube type eliminators for 280 rectifier tube operation—to convert a 110 volt D. C. dynamic speaker into A. C. operated using a 280 rectifier. General replacement purposes in any "B" eliminator or power pack in an A. C. receiver. To convert any "B" eliminator to an "A-B-C" eliminator.



## Edison 245 A.C. Power and Filament Transformer

(For R-4, R-5, C-4 A.C. Sets)



Equipped with Three 2 1/2 Volt Fil. Secondaries

Designed for sets using Six 227 or 224 tubes—two 245 tubes—one 280 tube. Furnishes 300 volts plate current at 100 M.A. One filament winding lights 4-227 (or 224); one lights a 227 (Detector); one lights 2-245 (center tapped); one lights 1-280; and one furnishes the high voltage (center tapped). Three taps are on the primary. For 110 Volt 60 Cycle A.C.

Cat. No. 430  
List Price \$30.00  
**Our Price \$5.75**

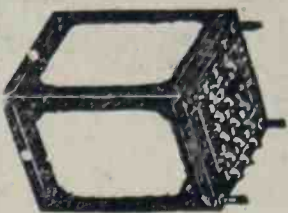
## Sonora 250 Power Transformer

For Sonora 3 RP—5R—7P

Supplies 2-250 Tubes, 2-281 Tubes, 2-227 or 224, and 750 volts, also 15 volts for 5 Arcturus Tubes of that type. Full Wave "B" and "C"

Cat. No. 425  
**Our Price \$3.75**

Dimensions 4 1/4 in. x 4 1/4 in. x 6 1/2 in. For Sonora sets; can also be used for the 15-volt Tubes originally prescribed for same.



60-Cycle and 25-Cycle

## Earl and Freed Power Transformers

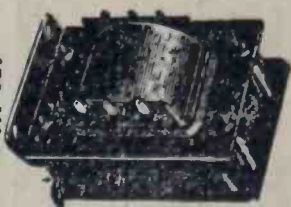
For 171A-245 Sets

Cat. No.	Part No.	In Sets Used	Special Nos.
413	36393	31, 32, 41, 78, 79, 95	(60 cycle).... \$4.50
414	36404	31, 32, 41, 78, 79, 95	(25 cycle).... 4.75
415	36442	21, 22, 66, 65	(60 cycle).... 3.50
416	36478	21, 22, 66, 65	(25 cycle).... 3.75



Power Transformers Nos. 36393 and 36404 furnish plate and filament voltages for five 227, two 245 and one 280 tubes. Nos. 36442 and 36478 furnish plate and filament voltages for three 226, two 171-A, two 227 and one 280 tubes.

## THORDARSON 800 VOLT A.C. Power Transformer



9 in. Hgh. 4 1/2 in. Wide, 4 1/4 in. Long

Genuine Replacement Power Transformer for Federal Receivers Model D, E, F, G and H.

Delivers 400 volts (350 m.a.) on each side of the center-tap; also 5 volts (4 amps.) center-tapped. (This winding can be used as two 2 1/2 volt windings, if desired.) Used with UX-288 or Raytheon BA Rectifying tube.

Operates on 100-130 volts, 50-60 Cycles A.C. current.

4 taps on primary, for various input voltages, which also governs output voltages.

150 Watts

Many set builders use this high-voltage Transformer with a Thordarson 2 1/2 Volt A.C. Filament Transformer—our Cat. No. 421. Ideal for Short Wave Transmitters, or Superpower 245 Push-Pull Power Amplifiers, and A.B.C. Power Packs!

Cat. No. 426  
**Special \$4.75**

Mounted in a Pitch-Filled Case, \$5.45

## THORDARSON 250 A.C. High Voltage Power Transformer

For 1-UX250 or 210, 2-UX281, 4-226, 2-227 Tubes,

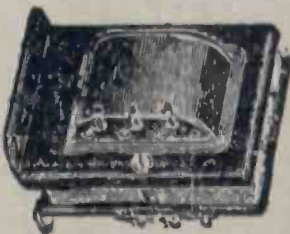


Delivers full wave rectification using two UX-281 Rectifying tubes, and has a 7.5 Volt Center-Tapped Filament Winding for one UX-250 or 210 Power Tube and a 7.5 Volt Center-Tapped Filament Winding for two UX-281 Rectifying tubes. The 1 1/2 and 2 1/2 volt filament windings included permit this transformer to be used when converting 226 type A.C. sets for 250 operation, or for converting battery sets. The A.C. Voltage Plate Winding is 1150 Volts Center-Tapped. Operates on 100-130 Volts, 50-60 Cycles A. C. Current. Tested at 2500 Volts.

Cat. No. 423

**\$7.65**

## THORDARSON 250 Push-Pull A.C. Power Transformer



For 2-UX-250 or 210's, 2-UX-281 Tubes and 6-224 or 227 Tubes

Delivers full wave rectification using two UX-281 Rectifying tubes, and has a 7.5 Volt Center-Tapped Filament Windings for the two UX-250 or 210-Power tubes and also one 7.5 volt Center-Tapped Filament Winding for two UX-281 Rectifying tubes.

The A.C. Voltage Plate Winding is 1200 Volts Center-tapped at approximately 150 Milliamperes. 2 1/2 Volt Winding on this Transformer can be used with 6 2 1/2 in. x 4 in. Tested at 2500 Volts. 5 in. x 4 1/2 in. x 4 in.

Cat. No. 428  
**Our Price \$7.95**

Mounted in a Pitch-Filled Case, \$8.80

## THORDARSON 2 1/2 Volt A.C. Filament Transformer

16 Amp., 2 Windings

Furnished with Center-Taps For 110 Volt, 60 Cycle A.C. (Ideal for mercury lamp rectifiers.) 3 1/2 in. x 3 in. x 3 in. Cat. No. 421

**Our Price \$3.15**



Mounted in a Pitch-Filled Case  
Cat. No. 422  
**\$4.20**  
Model T 3980

## Thordarson

1 1/2, 2 1/2 and 5 Volt A.C. Filament Transformer For 6-226, 2-227, 2-171A Tubes. For 110 Volt 60 Cycle A.C. 3 1/2 in. x 3 in. x 3 in. Cat. No. 419

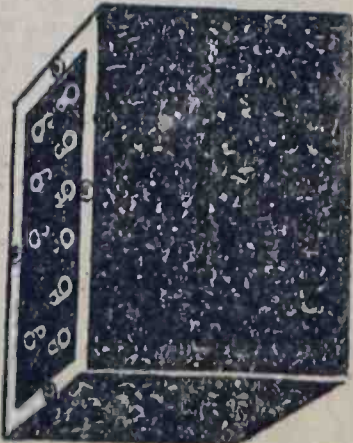
**Our Price \$3.95**

Mounted in a Pitch-Filled Case  
Cat. No. 420  
**Our Price \$4.89**

## Thordarson 245 A.C. Power

and Filament

**CONDENSER REPLACEMENT BLOCK FOR  
MAJESTIC "B" Eliminators  
and A.C. Set Power Packs**



To replace a defective condenser block in any of the Majestic series of "B" eliminators is a matter of only a few minutes' work — this block fits right in the same position as the one to be replaced, and is identical in internal characteristics, as well as wiring facilities. THESE BLOCKS ARE GUARANTEED FOR ONE YEAR. Can be used with any other make "B" eliminator, or in most power packs.

- FOR "SUPER B" and "MASTER" ELIM.  
Cat. No. 1342. (In lots of 3, \$7.50) **\$2.65**
- FOR "SPECIAL MASTER B"  
Cat. No. 1343. OUR PRICE..... **\$3.45**
- For 171 Tube A.C. Sets..... **\$3.85**
- Cat. No. 1344. OUR PRICE..... **\$4.45**
- For 245 Tube Sets..... **\$4.65**
- Cat. No. 1345. OUR PRICE.....
- For 250 Tube Sets.....
- Cat. No. 1346. OUR PRICE.....

**NOTE**

Nos. 1344, 1345, 1346 can be used in most A.C. power packs using similar power tubes—also ideal for new sets.

**A.C. POWER TRANSFORMER FOR  
RADIOLAS Nos. 47, 64, 67 Receiver**

Used in the 8 Tube A.C. Super

Contains six secondary sections for the following tubes: No. 1, For 4-227; No. 2, for 3-227; No. 3, for 1-227; No. 4, for 2-281; No. 5, for high voltage (center tapped); No. 6, for 1-250. Firmly imbedded in a pitch filled metal can, with original lug terminals protruding from an insulated strip attached thereto.

**Our \$10.90 Price**

(All Other Models in Stock)

**A.C. REPLACEMENT POWER TRANSFORMER FOR  
SONORA A-31 and B-31 Sets**



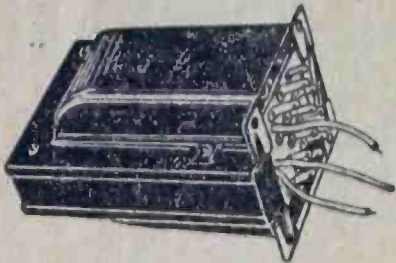
**PHILCO A. C. Power Transformers**

Model 87 (Philco Part No. 3400). For 4-226, 1-227, 2-245, 1-280. Note complete shield. Can be used in many other makes of receivers.

Ideal for converting battery type receivers into A.C. receivers — only one socket in receiver need be changed.

Cat. No. 1357

**Our Price \$2.65**



Models 40-41. For 3-224, 1-227, 2-171A, 1-280. Cat. No. 1354. OUR PRICE..... **\$4.75**

Models 65, 76, 77, 77A. (Philco Part No. 3516. For 3-224, 1-227, 2-245, 1-280. Cat. No. 1355. OUR PRICE..... **\$4.75**  
(This transformer will actually operate 6-224 or 227.)

Models 86-82. For 4-226, 1-227, 2-245 (or 2-171A, state which), 1-280. Cat. No. 1356. OUR PRICE..... **\$4.75**

Models 95, 96, 96A, 296, 296A, For 3-224, 3-227, 2-245, 1-280. Cat. No. 1358. OUR PRICE..... **\$4.75**

Models 511, 512, 513, 514, 515, 551, 571, 572, 573. For 4-226, 1-227, 1-171A, 1-280. Cat. No. 1359. OUR PRICE..... **\$3.85**  
(All Other Models in Stock)

**A.C. REPLACEMENT POWER TRANSFORMER FOR  
STEINITE 50-A and 102-A**

For 5-227, 2-250, 2-281  
Cat. No. 1352. OUR PRICE..... **\$7.95**

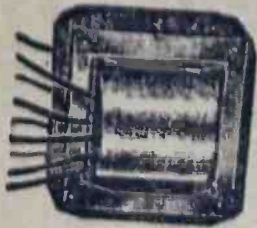
Steinite 261-262. For 4-226, 1-227, 1-171A, 1-280. Cat. No. 1353. OUR PRICE..... **\$4.90**

For Steinite 70-80. For 3-224, 1-227, 2-245, 1-280. Cat. No. 1263. OUR PRICE..... **\$5.90**  
(All Other Models in Stock)



**A.C. REPLACEMENT TRANSFORMER FOR  
Stromberg-Carlson 652-654-641-642 Sets**

**A.C. REPLACEMENT TRANSFORMER FOR  
AMRAD BEL CANTO 81 Series**



For 3-224, 2-227, 2-245, 1-280.

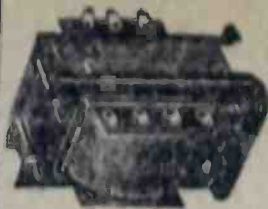
Cat. No. 1371. **Our Price \$4.50**

(All Other Models in Stock)

**Convert Any Raytheon Type "B" Eliminator to a 280 Type—Takes Only a Few Minutes!**

By removing the present A.C. power transformer in Raytheon eliminators, and installing instead a Special 280 Type A.C. Power Transformer, you can modernize any "B" eliminator, far superior, as a rectifier, that 99% of the power packs now in operation use the 280! These tubes are obtainable anywhere—give greater voltage, and much smoother flow of rectified current. Incidentally, 280 tubes are less expensive. Requires only a few minutes to accomplish this simple task! Complete directions included. Plate output, 220 volts.

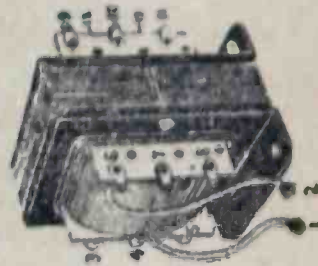
Cat. No. 1372. **OUR PRICE..... \$2.90**



FOR 245 A.C. SETS  
Furnishes A.C. filament current for 5-224 or 227, 3-245, 1-280 and 600 volts (center tapped).  
Cat. No. 1374. **OUR PRICE..... \$4.55**

**Thordarson A.C. Power Transformer**

For 8—2 1/2 Volt Tubes and 2—171-A Tubes  
(Combines 600 Volt Secondary and Heaviest 2 1/2 Volt Winding Available)



Here is a massive power transformer and certainly a worthy product of its manufacturer's enviable reputation. Built on generous proportions: 4 in. long, 3 1/2 in. wide, 4 3/4 in. high. Arrangement of terminals: Nos. 1 and 2, 2 1/2 volt for 8-227 or 224; Nos. 12 and 13, 110 volt A.C. Primary; No. 9 and 11, 300 volts on each side of center tap; No. 10 center tap for Nos. 9 and 11; Nos. 6 and 8, 5 volts for 1-280; No. 7, center tap for Nos. 6 and 8; Nos. 3 and 5, 5 volt for 1 or 2-171A; No. 4, center tap for Nos. 3 and 5.

Due to the unusual high voltage produced, there is a sufficient reserve for supplying ample current to a 110 volt D. C. Dynamic Speaker field. Overable iron core ensures no possibility of over-heating, despite any overloading.  
Cat. No. 1419.

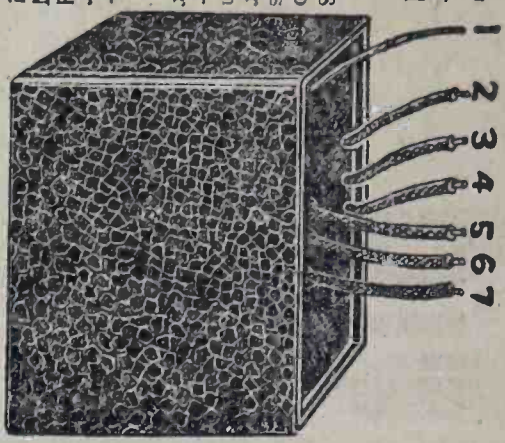
### REPLACEMENT CONDENSER-CHOKE BLOCK FOR ATWATER KENT 37-38 SETS

Contains Two Filter, One Speaker Choke and Four Condensers

An ideal filtering system for ANY A.C. set (regardless of make!) using 171-A tubes.

When the AK 37-38 sets were designed, two power pack filter chokes AND one speaker filter choke were housed in the one metal box, besides the four filter condenser sections.

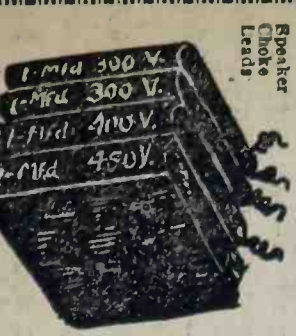
There are several replacement blocks for AK sets now being sold that ONLY CONTAIN TWO SUCH CHOKES!



As stated above, this block contains THREE CHOKES AND FOUR CONDENSERS! It is a simple matter to replace this block into any AK 37-38—it exactly fits the space previously occupied by the block you are replacing—same colored leads further assure immediate installation! 6 in. long, 3 3/16 in. wide, 4 1/4 in. high. Contained in a heavy gauge metal case—not a tin can. Arrangement of terminals: No. 1, GROUND; No. 2, B+, R. F.; No. 3, B+, 2nd AUDIO; No. 4, To 280 Filament; No. 5, Detector By-Pass; No. 6 and 7, R. F. and 1st A. F. By-Pass.

Cat. No. 1370. **Our Price \$4.95**  
In lots of 3, \$13.00

### FILTER CONDENSER ASSEMBLY SECTION FOR ATWATER KENT 37-38 SETS



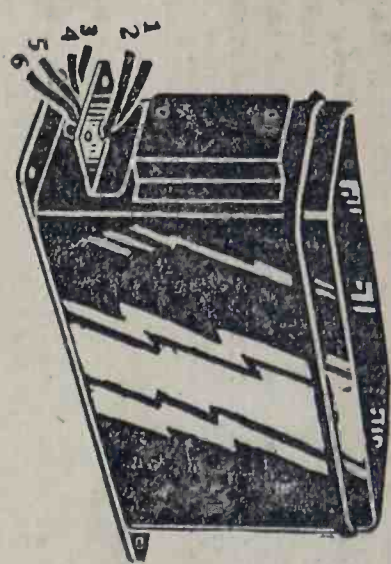
Consists of four highest grade filter condensers, steeped in pitch, making one compact unit. Can be very easily placed into the AK 37-38 filter block, and rewired to the three chokes contained therein. THIS UNIT CAN ALSO BE USED IN MOST ANY POWER PACK! Contains: 4—1 Mfd. sections (2—300 volt, 1—400 volt, 1—450 volt).

Cat. No. 1375 **OUR PRICE \$2.45**

Common  
A.C. REPLACEMENT TRANSFORMER FOR ATWATER KENT A.C. SETS  
Cat. No. 1372

### REPLACEMENT POWER-PACK UNIT FOR ATWATER KENT A.C. Sets

Models 40-42-43-44-45-46-47-52-53



Contains both the A.C. Power Transformer and Filter Condensers—Filter Chokes and Speaker Choke Block Units.

Due to its remarkable compactness, this complete power pack (voltage dividers alone not included) is in great demand for universal power pack replacements. Note the protruding bracket provided for mounting a 280 rectifier tube socket thereon. The terminals are as follows: No. 1 and No. 2 are wired in series with the REGULATING RESISTANCE (not used on MODEL 40); Nos. 3 and 4 connect to the filament of the 280 rectifier tube socket; Nos. 5 and 6 are connected to the G and P posts of socket (high voltage A.C.). At remote end from rectifier socket bracket, the cable harness leads out from the power pack mounting plate, with the individual leads contained therein being connected to their respective terminals in the A.C. receiver proper. The A.C. transformer contained in this power pack operates 4 or 5-225, 1-227, 1 or 2-171A, 1-280 tubes. The condenser-choke block contains FIVE FILTER CONDENSERS, TWO FILTER CHOKES AND ONE SPEAKER CHOKE. Cat. No. 1364 .....OUR PRICE \$9.00

Cat. No. 546. Same as Cat. No. 1364, but contains TWO SEPARABLE, REMOVABLE POWER UNITS (Cat. Nos. 1370 Cond. Block, but with FIVE FILTER CONDENSERS, and No. 866 A.C. Transformer). In this model, if either unit breaks down, only that defective unit need be replaced. ....OUR PRICE \$11.50

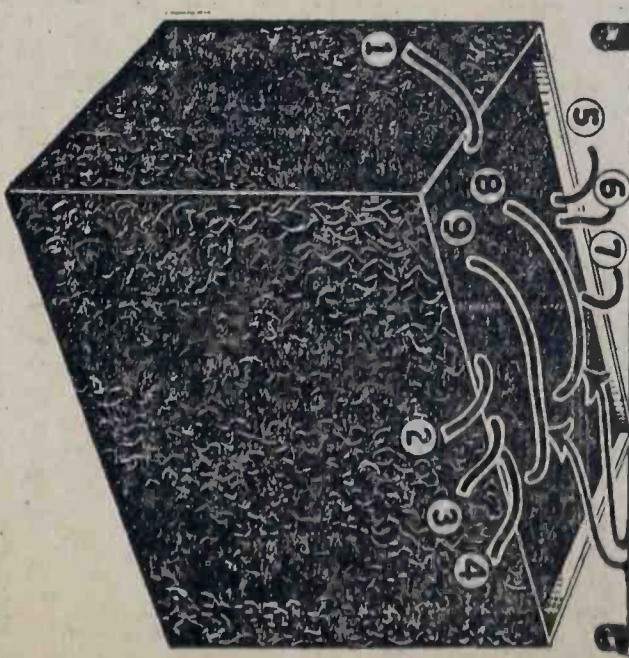
Cat. No. 547. Same as Cat. No. 546, but includes a Cat. No. 268 Condenser Block (with five filter condensers) .....OUR PRICE \$13.15

Cat. No. 548. Complete power pack, consisting of Cat. No. 336 Condenser-Choke Block and Cat. No. 335 A.C. power transformer as illustrated and described on this page. No finer power pack available. **OUR PRICE \$14.75**

Separately Removable A.C. Power Transformer and Condenser Choke Block Units for 2nd Type Improved

There has been a crying demand for this vastly improved Condenser Choke Replacement Block for A.K. 37-38 Sets.

### CUT AND SPLICE HERE IN CASE OF CONDENSER BREAKDOWN



Also Available for Later Models

The illustration above is practically self-explanatory. It will be readily noted that clever provision has been made for immediate replacements of the filter condensers, contained within the almost inaccessible pitch compound. Should one of the filter condenser sections therein break down, merely cut the protruding leads (Nos. 8 and 9) and splice thereto an EXTERNAL FILTER CONDENSER SECTION! Hereofore, a breakdown in one of the condensers has necessitated the expenditure of almost \$5.00 for another unit, even though the rest of the component parts obtained therein were still serviceable! Therefore, the small additional cost involved for the purchase of this unique arrangement is indeed a wise and shrewd investment! The terminals are as follows: No. 1: Ground; No. 2: Detector By-Pass; No. 3 and 4: R.F. and 1st A.F. By-Pass; No. 5: B. Plus R.F.; No. 6: B. Plus Second Audio; No. 7: to 280 filament. No. 8 is the other terminal of filter condenser attached to center of filter chokes (the other end of that condenser is grounded to No. 1; No. 9 is the other end of condenser section (which is also grounded to No. 1) connected to end of second choke. This unit contains TWO FILTER AND ONE SPEAKER CHOKES, and FOUR FILTER CONDENSERS. Contained in a heavy gauge metal case. It is well to note that THIS UNIT CAN BE UNIVERSALLY ADAPTED FOR USE IN ANY A.C. SET USING 171-A POWER TUBES!

Cat. No. 268 **Our Price \$5.95**

# A. C. Power Transformer and Condenser Block Replacements

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:	A.C. Power Transformer Cat. No.	Condenser Block Cat. No.	Our price.
Models 401, 704-A, 704-B, Show-box, 706, Gemchest and Gembox 609-610, RFL-90, 41-A, 42, 602 Bandbox For combinations of 226, 227, 171A and 280.....	906	907	3.85
Jewel Box 804 AC			
For 5-227, 2-171A, 1-280 Buddy and Chum Model 705	908	909	4.35
For 2-224, 1-227, 2-171A, 1-280 EDISON	910	911	3.80
Models R-4, R-5, C-4 For 5-227, 2-245, 1-280.....	912	913	5.80
Models R-1, R-2, C-2, C-1 For combinations of 226, 227, 250 and 281 tubes.....	914	915	9.50
Models R-6, R-7 For 3-224, 3-227, 2-245, 1-280	1233	1234	8.25
ERLA Models 30-31-32-AR3-224 For 3-224, 2-227, 2-245, 1-280	1239	1240	7.45
FADA Models 10-11-30-31-16-17-32-20 For 5-227, 1-171A, 1-280.....	916	917	5.90
Models 7-AC For 5-227, 2-171A, 1-280.....	918	919	6.25
Models 25 For 1-224, 4-227, 2-245, 1-280	920	921	5.45
Models 35-35Z For 2-224, 2-227, 2-245, 1-281	922	923	5.45
Models 40-41-42-44-45-47 For 3-224, 3-227, 2-245, 1-280	924	925	5.90
Models 50-70-71-72 For 6-227, 2-171A, 1-280.....	926	927	5.90
Models 75-77 For 3-224, 2-227, 2-210, 1-281	928	929	8.90
Models 15-M-25 For 1-224, 4-227, 2-245, 1-280	1235	1236	7.65
FEDERAL Models D, E, F, G For 201A in series.....	930	931	9.60
Models K, H, M For 5-227, 2-245, 1-280.....	932	933	6.75
FREED-EISEMANN Models NR-60 For 4-226, 1-227, 1-171, 1-280	934	935	3.95
Models 90S-AC For 4-224, 1-227, 2-245, 1-280	936	937	4.95
Models 95-AC For 6-227, 2-245, 1-280.....	938	939	4.82
Models NR-85 For 5-226, 1-227, 1-250, 1-281	940	941	9.15
EARL OR FREED Models 21-22-55-56 For 3-226, 2-227, 2-171, 1-280	942	943	3.50
Models 31-32-41-78-79-95 For 5 or 6 227, 2-245, 1-280	944	945	4.50
EARL or FREED Models 41 For 6-227, 2-245, 1-280.....	950	951	5.25
Equaphase For 4-224, 2-245, 1-280.....	AC		8.00

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:	A.C. Power Transformer Cat. No.	Condenser Block Cat. No.	Our price.
COLIN B. KENNEDY Models 10 For 5-227, 2-171A, or 2-245, 1-280.....	992	993	6.25
Model 20 For 3-224, 2-227, 2-245, 1-280.	994	995	6.95
KING Models "J and H" For 4-226, 1-227, 1 or 2-171, 1-280.....	996	997	6.75
Models 97-98, Monarch, King Royal Pack.....	998	999	5.75
KOLSTER-COLUMBIA Models 930 Pack For 227, 245, 280.....	1000	1001	5.95
Models 6K For 4-226, 1-171, 1-227, 1-280.	1002	1003	4.20
Models 6H Uses 874, 1-210, 2-216 (281).	1004	1005	8.75
Models K-44 For 3-224, 2-227, 2-245, 2-281.	1006	1007	16.25
Model K-42 For 4-226, 1-227, 2-171A, 1-280.....	1251	1252	6.75
Models K-43 For 3-224, 2-227, 2-245, 1-280.	1008	1009	4.40
Models K-45 For 3-224, 4-227, 2-250, 2-281.	1010	1011	14.40
KOLSTER-BRANDES Models B-10, B-15, B-16 For 5-227, 1 or 2-171A, 1-280.	1012	1013	6.95
KOLSTER Models K-20, K-21, K-22, K-23, K-25, K-27, K-28 For 5-226, 1-227, 1-171A, 1-280.....	1014	1015	3.30
Models K-24 For 4 or 5-226, 1-227, 1-210, 2-281.....	1016	1017	8.95
KNIGHT All models Any combination of tubes....	1018	1019	6.75
LYRIC Models D11, 19, 29, 39, 69, 94, 96, 175 For 3-224, 1 or 2-227, 2-245, 1-280.....	1253	1254	6.75
Model 90 For 7-227, 2-245, 1-280.....	1255	1256	7.25
MAJESTIC Models 60-70-80-72 For 4-226, 1-227, 2-171A, 1-280.....	1196	977	5.85
Filament Transformer.....	1197		
Plate Transformer.....	1198		
Models 90-90A-90B-91-92-93-100 For 5-227, 2-245, 1-280.....	978	979	6.95
Models 180-181 For 5-227, 2-250, 2-281.....	1198	981	7.20
Filament Transformer.....	1199		
Plate Transformer.....	1199		
Models 130A-230A For 4-224, 2-245, 1-280.....	882	983	5.95

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:

Transformer-Cond. Block Replacements listed are suitable for sets manufactured by:	A.C. Power Transformer Cat. No.	Condenser Block Cat. No.	Our price.
SILVER MARSHALL Models 30 Chassis, 60-75-95, 63, 43, Sets 639-722-735 For 4-224, 1-227, 2-245, 1-280.	1050	1051	6.20
SILVER MARSHALL Models 690 Amplifier For 1-227, 2-226, 2-250, 2-281.	1094	1095	9.65
SONORA Models 2RP-3R-4R For sets using 15-volt tubes.	1052	1053	8.75
Models 3RP, 5-R, 7-P For 15-volt tubes and 2-250 tubes.....	1054	1055	8.90
Models 31-31B, B-33, B-35 For 3 or 4-224, 2-227, 2-245, 1-280.....	1056	1057	6.85
SPARTON Models 89A-109, Ensemble and 110 For Sparton 3-volt tubes, 1 or 2-250, 2-281.....	1058	1059	6.75
Model 301 For 6-484, 2-585, 2-281.....	1261	1262	10.70
Models 9-30, AC-62, AC-63, AC-7 rectifier.....	1060	1061	7.35
For Sparton 3-volt tubes and Model 931 For 6-484, 2-482, 1-280.....	1194	1195	6.75
STEINITE Models 50-A, 102-A For 5-227, 2-250, 2-281.....	1062	1063	8.45
Model 70-80 For 3-224, 1-227, 2-245, 1-280.	1263	1264	6.85
Models 261-262 all 1930 models For 4-226, 1-227, 1-171, 1-280.	1064	1065	6.45
STEWART-WARNER Models 530-535-715-720-750-801-801A-811-811A For 4-226, 1-227, 1 or 2-171A, 1-280.....	1070	1071	6.55
Models 950 For 3-224, 2-227, 2-245, 1-280.	1072	1073	6.95
Models 900 For 5-227, 2-245, 1-280.....	1074	1075	6.95
STROMBERG-CARLSON Models 635-636-638A For 5-227, 1 or 2-171A, 1-280.	1076	1077	8.75
Models 641-642-652-654 For 3-224, 1-227, 1-245, 1-280.	1078	1079	8.85
Models 846 For 3-224, 3-227, 2-245, 1-280.	1082	1083	9.55
Models 10-13 For 4-224, 2-245, 1-280.....	1088	1089	8.70
SPLITDORF Models PAD-4 For 4-226, 1-227, 1-210 or 250, 1-281.....	1090	1091	6.60
Models Abbey 171 For 4-226, 1-227, 1-171A, 1-280.....	1092	1093	6.75

Note—We can supply any AC

Dealers', Servicemen's Headquarters for



# REPLACEMENT PARTS



for Most Every SET—POWER PACK—ELIMINATOR

We can supply most any REPLACEMENT PART for any of these sets, as listed below, as well as for most other sets, not so listed.

We Serve a Valuable Need for All Radio Dealers and Servicemen!

We are SPECIALISTS in this field—for that reason some of the largest Radio chain stores in the country are NOW OBTAINING most of their REPLACEMENT PARTS from us. We have conclusively proven to them that they can bank on our ability to REPLACE MOST ANY RADIO PART, WITH LEAST DELAY—whether it be ANY A.C. POWER TRANSFORMER, CONDENSER BLOCK, FILTER CONDENSER, RESISTOR, AUDIO TRANSFORMER, CHOKE, VOLUME CONTROL, VOLTAGE DIVIDER, etc. Every Radio Dealer, Serviceman or Experimenter should avail themselves of our invaluable service.

**FRESHMAN** (from Upright Radio) **WESTINGHOUSE** **PILOT** **Radio** **Hammarlund** **Stewart-Cutler** **ATWATER** **ROY**

**Edison** **PERCEAIRD** **Westinghouse** **Radio** **EPRO-SILEX** **PEERLESS COURIERS** **Victor**

**SonorA** **LYRIC** **Peepless** **BOSCH** **THORDARSON** **Western Electric**

**NEREADY** **GENEAL ELECTRIC** **COLONIAL** **TEMPLE** **Dublier** **STERLING**

**Balkite Kellogg** **EVEREADY** **Grebe** **Baldwin** **Graybar**

**Columbia** **Brunswick** **Stewart-Warner** **Samson**

We Can Furnish Most Any Part for Most Any Set!

We cannot very well list, in these following pages, every part that we can replace; even though it is not listed we can furnish most such parts with little or no delay. Most of our customers prefer to ship us their defective part to avoid delays incidental to correspondence back and forth—whereas it might be difficult to correctly interpret from your letter the exact replacement part you have in mind, our personal examination of same will assure positive accuracy.



## RADIO SET DEALERS—DISTRIBUTORS!



**NOTE**  
We can build to your special order most any type of A.C. transformer and condenser block—correspondence invited on this phase of our service.

We can supply most any REPLACEMENT PART, OF EVERY DESCRIPTION, FOR ANY OF THE RECEIVERS ABOVE LISTED (and all others, too!) AT WHOLESALE PRICES CONSIDERABLY LESS THAN THE SET MANUFACTURERS' NET PRICES, ON THE IDENTICAL TYPE PARTS! As an example: The established list price on a certain replacement A.C. Power Transformer, used in a standard, popular receiver, is \$15.65—we can furnish the identical type part for \$5.85! A word then, to the wise, is sufficient—MAKE US YOUR EXCLUSIVE SOURCE OF SUPPLY, and consequently visit the "Receiving Teller" at your bank more often!

**NOTE**  
All A.C. Transformers listed below are designed for use on 110 volt, 60 cycle A.C. Special models for 25 cycle (or any cycle or voltage) are available. Write for prices.

## A. C. Power Transformer and Condenser Block Replacements

For the convenience of the Trade this most comprehensive list of REPLACEMENT POWER TRANSFORMERS and CONDENSER BLOCKS has been compiled. Incidentally, it is the FIRST OF ITS KIND!

# We Will Not Be Undersold!

When this issue of our catalog went to press we believe that the net prices quoted herein were as low as quoted in other Radio Mail Order Catalogs. In fact, in many instances some were **CONSIDERABLY LOWER!**

In the event any of the merchandise listed herein is offered in any other Radio Mail Order Catalog at a **LOWER PRICE**

than ours, **WE WILL MEET SUCH LOWER PRICES, IF ANY, as WE WILL NOT BE UNDERSOLD!** In your order please state in what other Radio Mail Order Catalog (and on what page number thereof) you saw the lower price, and remit to us the **LOWER PRICE.** Again, we repeat: **WE WILL NOT BE UNDERSOLD!**

## WE ENJOY—MEET—AND BEAT—COMPETITION

You, as a sensible and reasonable **BUSINESS MAN**, realize that we make a **FAIR** and **LEGITIMATE PROFIT** when you trade with us; however, **WE WILL CHEERFULLY**

**FOREGO SOME PROFIT BY MEETING ANY LOWER PRICE,** for it is certainly to our advantage to **ENJOY YOUR EXCLUSIVE PATRONAGE!**

If you are not one of the many thousands of Radio Dealers and Service Men, who now exclusively trade with "COAST TO COAST," you should join the daily increasing list of our 100 per cent. **FULLY SATISFIED CUSTOMERS.** The huge Radio Chain Stores are shrewd buyers—they place their business only where they will obtain **ROCK-BOTTOM PRICES, FIRST CLASS MERCHANDISE AND SERVICE.** Some have accordingly wisely chosen "COAST TO COAST" as such a source of supply! Buy then, from us, and YOU, too, are bound to prosper! We are merchandising specialists ourselves, and therefore do **NOT LIST** any item of questionable merit or value—you may safely abide by our suggestions, backed by our executives' many years' experience in the wholesale, manufacturing and retail phases of this great industry. Although we

are today one of the largest firms in the Radio Mail Order field, and our sales figures will run into huge proportions, we insist of our co-workers that **EVERY ORDER**, no matter how modest in size, **BE TREATED** on a **PERSONAL ACCOMMODATION BASIS.** Any complaint, no matter how trivial in nature it may be, is not handled as routine matter by clerks, but is turned over to one of our **Managing Executives.** For that reason our every customer is **OUR BEST ADVERTISEMENT.** Next to a "square deal" you want **PROMPT SHIPMENTS**—your success, and ours, depends vitally on **same!** As our sales volume warrants ample stocks always on hand, rest assured your orders will be shipped with no delay, in most instances. In short, **Mr. Radio Dealer or Service Man**, you will find it to be a positive pleasure to trade with us!

## HOW TO ORDER

### C. O. D. ORDER INSTRUCTIONS

Our only terms are **PAYMENT IN FULL WITH ORDER**, or **C. O. D.**, if a **20 per cent. deposit remittance** accompanies such **C. O. D.** orders. (Customers sending repeat orders may omit the formality of sending 20 per cent. deposit remittance, with **C. O. D.** orders.)

If you send **PAYMENT IN FULL** with order you are entitled to deduct 2 per cent. cash discount—this discount is not to be deducted on **C. O. D.** orders, or on tube net prices. **No. C. O. D.** shipments made to foreign countries.

For your convenience we have devised a special order blank, requiring no envelope **NOR POSTAGE.** If your supply of same runs out, please drop us a postal card at once requesting an additional supply. To avoid errors, **PRINT** your name and address. Always mention our catalog numbers, and page numbers. We reserve the right to return your remittance if our stock of item ordered is exhausted.

## NO ORDERS ACCEPTED FOR LESS THAN FIVE DOLLARS

We regret exceedingly that this policy must be carried out, but, filling orders for less than \$5.00, would entail considerable loss to us. For that matter, our overhead charges, shipping a \$5.00 order are just as much if it were a \$100 order.

## ALL GOODS SHIPPED F. O. B. NEW YORK

Send remittances by **MONEY ORDER—PERSONAL, CORPORATION OR CASHIER'S CHECK—CASH (REGISTERED MAIL, please).** **WE ACCEPT U. S. POSTAGE STAMPS IN ANY DENOMINATION AND FOR ANY AMOUNT, AS FULL PAYMENT OF GOODS ORDERED.** Remittances from foreign countries should be made payable on a **New York bank, in U. S. funds.** **ALL GOODS SHIPPED F. O. B. NEW YORK.** If parcel post shipment is desired, please include an additional amount in your remittance to cover same—in the absence of such additional remittance, or instructions, shipment will go forward via express collect. If you desire a freight shipment be sure to mention freight depot, if different from your city, and name of railroad serving your district. Parcel Post shipments are only insured, if you include such suitable fees for same in your remittance. Non-insured shipments are made at customer's risk. All net prices in this catalog are subject to change without notice—you are given the benefit of all reductions that may occur. Quantities available are naturally based upon market conditions and are subject to limitations.

## WE GUARANTEE SATISFACTION

If you are not pleased with any shipment of merchandise received from us, write us at once—we will then issue you instructions relative to its return via insured parcel post, or prepaid express, if we so request. Rest assured we will assume your personal interest in the matter, and will do everything in our power to **PLEASE YOU AND KEEP YOU PLEASED.**

sized console radio receiver complete at

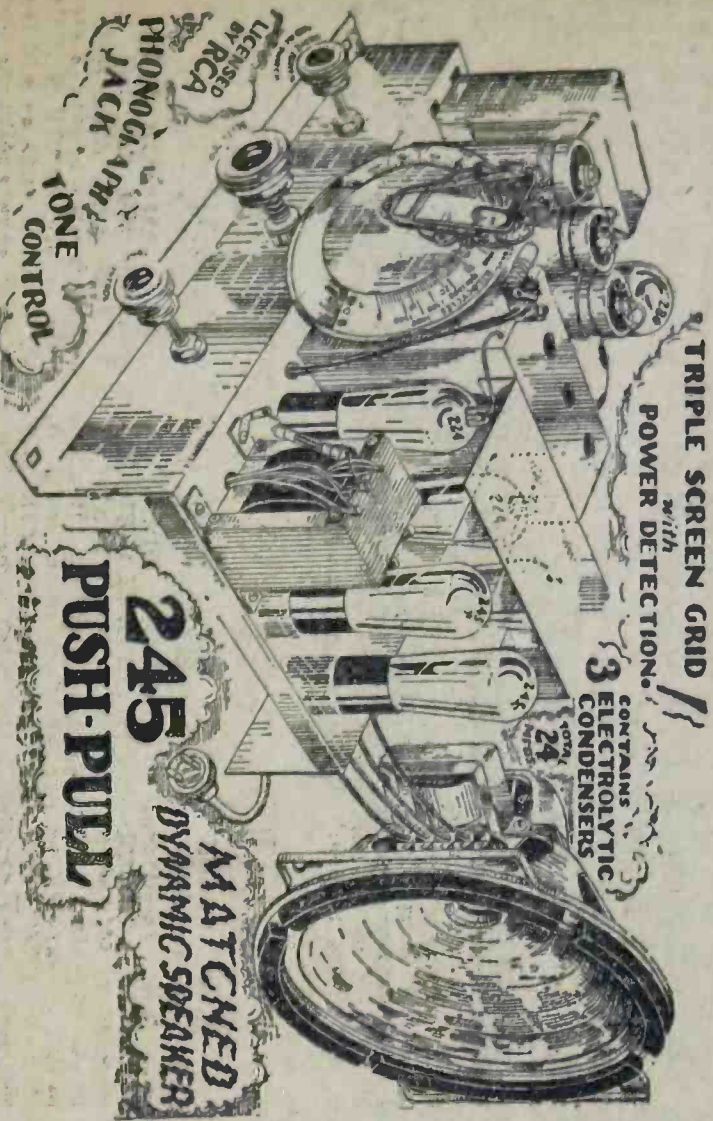
# R. C. A. LICENSED MIDGET A. C. RECEIVERS

Due to an agreement with the nationally known manufacturer of these 1931 Model Receivers, we have been requested by them NOT TO MENTION THEIR NAME IN OUR CATALOGS, inasmuch as, their regular trade would suffer greatly, due to the very much lower prices we quote on the identical type receivers sold by their dealers for con-

siderably more money! However, these receivers are just as fully guaranteed as those bearing their regular nameplate; for that matter, they are DOUBLY GUARANTEED: By the manufacturer (a tremendous organization), and by COAST TO COAST RADIO CORP.

## 6 Tube Triple Screen Grid T. R. F. A. C. Receiver Chassis

## 8 Tube Midget Super-Heterodyne A. C. Receiver Chassis



In the nine years past, Radio receivers have been improved, both electrically and mechanically, during each of the intervening years. THE SUM TOTAL OF THESE IMPROVEMENTS IS, IN A MEASURE, EMBODIED IN THIS MOST AMAZING RECEIVER—we doubt if a better receiver could be built today! Tube for tube, we feel it will out-perform almost any other 6 tube receiver, and, in many instances, match the performance of many 8-tube receivers!

### Has These Exclusive Features!

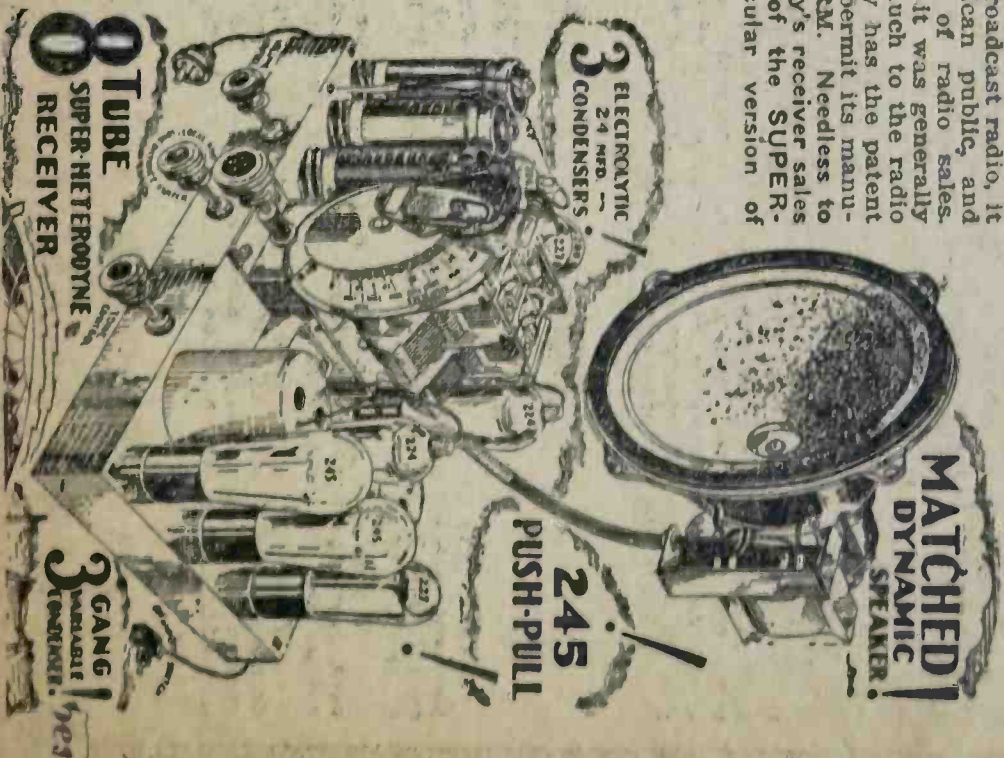
Triple screen grid, tuned radio frequency stages—3 gang condenser power detection assures maximum sensitivity, and at the same time, produces ENORMOUS UNDISTORTED VOLUME. The output of the power detector is fed to a pair of 245's in push-pull—the resultant amplification is positively astounding! To attain hum-free and quiet reception, three electrolytic condensers (8 mfd., each—total: 24 mfd.) are used. At the same time, bear in mind that you will experience no breakdown, for

The "super-het" circuit, one that veritably performs "miracles," had its inception in the World War. In the early stages of broadcast radio, it was introduced to the American public, and became the dominant factor of radio sales. Then, due to patent litigation, it was generally withdrawn from the market, much to the radio public's dismay. Only recently has the patent litigation been settled to now permit its manufacture, in the MODERN FORM. Needless to say, the greatest factor of today's receiver sales is this new improved form of the SUPER-HETERODYNE. This particular version of that type receiver is very much conceded to represent the very last word of the RADIO ART! When better receivers will be built, this one will only then be surpassed!

### Outstanding Points of its Marked Superiority!

The circuit employed consists of a FIRST DETECTOR followed by the OSCILLATOR, then TWO INTERMEDIATE R. F. STAGES, feeding into a POWER DETECTOR, finally feeding into a PUSH-PULL 245 POWER STAGE! Produces a 10 KC. flat top resonant curve, preventing cutting of side bands! The frequency of the oscillator is so adjusted as to produce HARMONICS OUTSIDE of BROADCAST BAND, and the circuit is so tuned, in relation to the other circuits, that SINGLE SPOT and PERFECTLY RESONANT TUNING OVER THE ENTIRE BROADCAST BAND AND is actual accom-

plished! Every receiver of today employ



of 10 to 12 mfd. in the filter circuits. This model

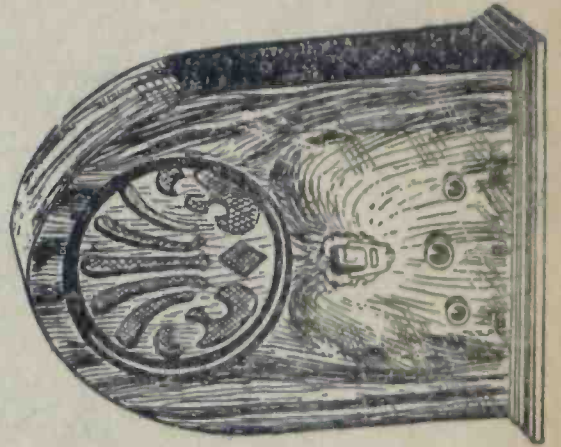
# Roller Radio

"BROADCAST" EXCLUSIVELY by  
**COAST-TO-COAST RADIO CORP.**

**FEB.-MARCH-APRIL, 1931 ISSUE**

## 3 Screen Grid-Push Pull 245 Six Tube Set

We well realize that there are much less expensive midget receivers on the market, than this model —we further realize that we could sell considerably more of the lower priced midgets. Our experience has shown us that much dissatisfaction often prevails with the "cheap midgets," and our Sales Policies therefore **RULES THEM OUT!** Our sincere suggestion is that you pay the few dollars more required and thereby never have cause to regret such a purchase! This receiver is illustrated in a \$19.95 at page the MACHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!



The T. R. F. Chassis included in this set is illustrated and described in detail at page the MACHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!

## 4 Screen Grid-6 Tube T. R. F. Midget Set

Uses 4-224, 1-245, 1-280 A. C. tubes. This combination produces a surprising amount of undistorted volume with a fund of Selectivity and Sensitivity that would be considered as excellent, in a very much larger, senior size. Radio long and short antenna connections —volume control and panel switch are provided. The ILLUMINATED DRUM DIAL, with large easily read numbers, rotates the THREE GANG variable condenser with considerable ease. A tasteful grille design on the handsome cabinet will grace any room in which it is installed! A ROLA MACHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!



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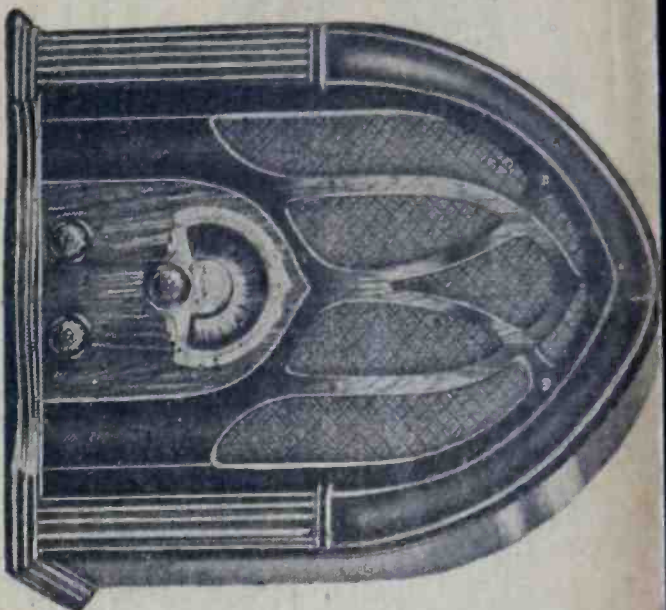
- Automatic Volume Control
- Dual Wave—75 to 550 meters
- Tone Control
- Band Pass Filter
- Full Vision Dial
- Built-in Aerial
- Size 13 3/4 x 15 8 1/4 inches

This new Acrahone receiver is just the set for you to sell. It's large, handsome and with every feasible sales feature. An up to the minute radio. The built in aerial is really a part of the set and does not trail around the room. The tonal quality of this set is comparable to that of a console model. The use of a new superheterodyne circuit produces high selectivity and sensitivity.

MODEL 50A

**\$15.95**  
LESS TUBES

Complete with  
E.C.A. Tubes **\$18.50**  
Uses 1-57, 1-58, 2-56, 1-47, 1-80  
Tubes.



## Royal - Universal AC - DC Receiver

For 110 to 125 volts AC or DC  
any cycle  
For 220 to 250 volts AC or DC  
any cycle

For 32 volt Farm Systems

For 6 volt automobile use.

MODEL 9A

ONLY

**\$8.95**



7, 7 1/2, 43 and 2525. The set requires no outdoor aerial and brings in fine reception from hundreds of stations both near and far. The receiver is housed in a beautiful all wood cabinet measuring 11 inches wide, 11 inches high and 5 inches deep. On the rear of the set a socket is provided for adaptors for 6, 32 and 220 volt operation. Cat. No.

7790 Adaptor for 6 volt auto use ..... \$ .95

7791 Adaptor for 32 volt farm system ..... 2.25

7792 Adaptor for 220 volt AC or DC ..... 1.45

## Jewel 4-Tube Receiver Model 100

Tubes Used

2-224A  
1-24F  
1-280

A complete set of "UNIVERSAL" Tubes for this Model 100 set is \$1.75 extra.

*Sells on Sight*



This set has every feature that the large sets have. They meet absolutely no sales resistance. Each demonstration sells a set. The small yet resonantly powerful dynamic speaker handles every tone as though it were of auditorium size. The high powered output of the 247 Pentode makes this speaker perform like a major! The neatly tailored cabinet finished in two tones enhances the beauty of any surroundings. This cabinet is entirely of wood and features a trim lyre grill, and a handsome and decorative border design. The volume control and switch combined makes the operation of this receiver extremely simple. An illuminated full vision dial allows quick sighting of station locations. This four tube set outshines many of its class.

*Our Price* **\$6.95**  
*Less Tubes*

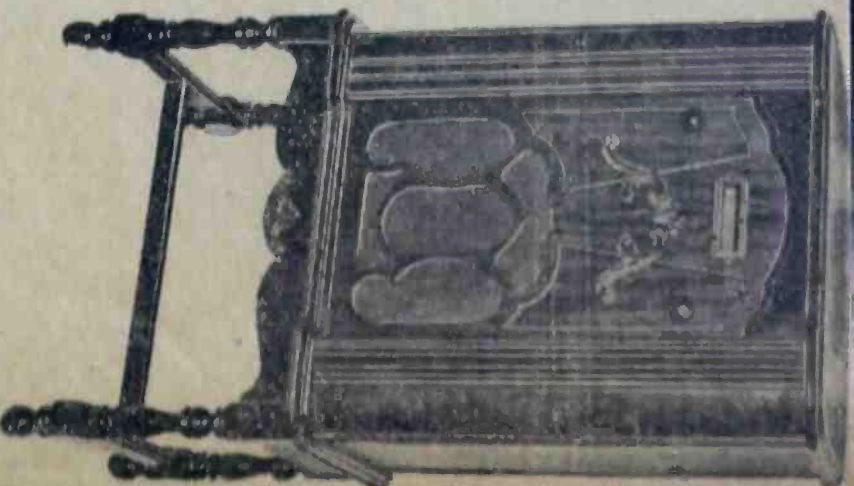
Here is a wonderful bargain! A full sized console radio receiver complete at a ridiculously low price. Just look at this beautiful photograph. Doesn't that set have appeal? Isn't that cabinet a beauty? And the set is an honest-to-goodness powerful large five tube superheterodyne with *Automatic Volume Control, the Latest Tubes, a 10 inch Dynamic Speaker, Full Vision Dial*, and the product of one of the six largest radio receiver manufacturers. The cabinet stands 39 inches high, 21 1/2 inches wide and 12 1/4 inches deep. This set uses the latest type tubes, namely, 1-57, 1-58, 1-2A6 1-47, 1-80.

MODEL 22A

**\$24.95**

Complete With Tubes

For 110 to 125 Volts 60 Cycles AC



## Acrahone 5 Tube T. R. F. Receiver

MODEL 8A

A receiver using two stages of T.R.F. a detector, a stage of audio and a rectifier has long been the accepted standard in fine receivers. The use of the new tubes enhances the performance of this receiver. Every possible feature has been incorporated in the Model 8A to simplify its resale at a handsome profit.

### PERFORMANCE

The Model 8A uses a three gang tuning condenser specially matched to a set of high gain R.F. coils making possible long distance reception. A full sized dynamic speaker and a substantial damper bring its tone quality above the usual midrange class. The volume control and switch are combined in one control. Another knob controls the tuning and a third is a tone control.

### QUALITY AND POWER

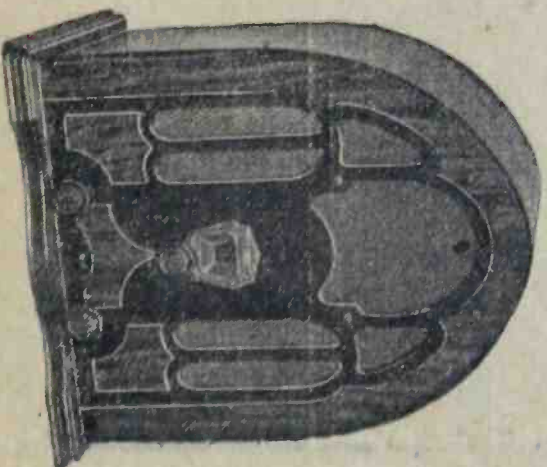
The Acrahone receivers have always been supreme in tonal quality. The true realism of every orchestral instrument is afforded. No distorted blast, but true reproduction. And loads of power. The full 2.5 watts output of a 47 pentode and the punch of a full sized Dynamic Speaker.

MODEL 8A

Uses 2-58, 1-57, 1-47, 1-80

Set of Universal Tubes . **\$2.95**  
Set of R. C. A. Tubes . **4.32**

**\$10.95**  
*Less Tubes*



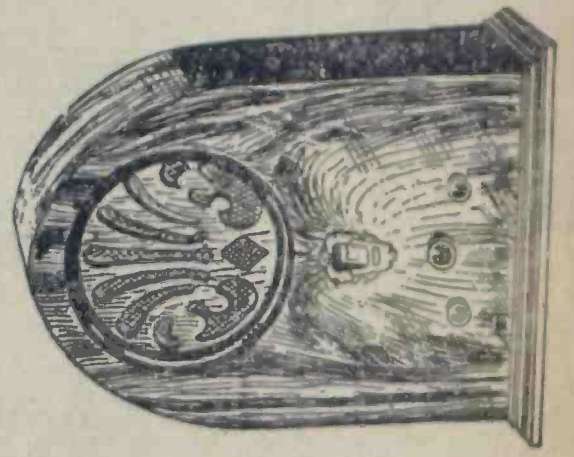
# Radio World

“BROADCAST” EXCLUSIVELY by  
**COAST TO COAST RADIO CORP.**

**FEB.-MARCH-APRIL, 1931 ISSUE**

## 3 Screen Grid-Push Pull 245 Six Tube Set

We will realize that there are much less expensive midget receivers on the market than this model—we further realize that we could sell considerably more of the lower priced midgets. Our experience has shown us that much dissatisfaction often prevails with the “cheap midgets,” and our Sales Policies therefore **RULES THEM OUT!** Our sincere suggestion is that you pay the few dollars more required, and thereby never have cause to regret such a purchase. This receiver is illustrated and described in page 2 herein—you will also find description at page the **MATCHED DYNAMIC SPEAKER** in this en-



The T. R. F. Chassis in- is illustrated and described in d —you will also find descri- MATCHED DYNAMIC SPEAK

## 4 Screen Grid-6 Tube T. R. F. Midget Set

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**Accatons**

## Condenser Microphone

**At the Price of a Carbon!**

The new Acratone condenser microphone is indeed a superior product. The head is precision constructed and made entirely of heavy brass turnings and castings. The diaphragm is of dural, a metal with the strength of steel and the flexibility of rubber. This diaphragm is stretched over a chamber filled with a natural gas for scientific adjustment of diaphragm pressure. This head has a frequency response in a flat curve from 30 to 7500 cycles. The head is well protected by a screen.

### Production Makes

#### the Price

The amplifier housed in the unit assembly contains three stages using the type 37 tubes. These tubes work particularly well for this purpose as they are built for rough usage and have a noticeable absence of microphonics. With these three stages the output is brought well up to zero level. The entire unit assembly is contained in a heavy steel housing finished in black crackle.

The stand for this microphone is made of 1 1/2 inch piping securely mounted on a heavy cast iron base. This stand is adjustable from 40 to 84 inches. A special suspension hook is supplied so that the entire unit assembly may be removed from the stand and suspended from the sound truck roof or studio ceiling. This microphone uses a 6 volt supply for the filament and 135 volts of plate. Output 200 ohms.



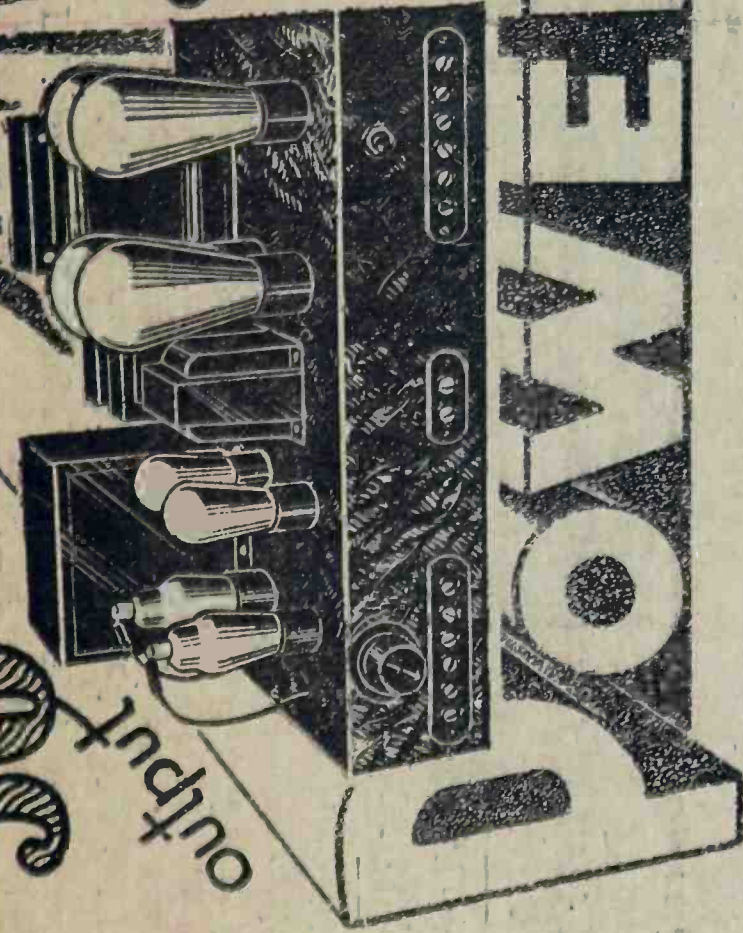
**Model 725**



**Complete With**

3-STAGE HEAD AMPLIFIER

**30 WATTS**  
**Output**



# POWER AMPLIFIER

**Now!**  
**Double Class "A" Prime**

# Acratone

**Class "A" Prime**

**Triple push-pull**

*De Luxe*

# AMPLIFIER

### High Plate Efficiency Assures Higher Output

The normal plate efficiency of a 250 power tube is approximately 30%. Each tube consumes almost 25 watts and gives less than 5. In the model 125 the great output of 30 watts is obtained because the plate efficiency of our output circuit has been raised to over 60%.

### Attenuation Control

The Attenuator Control of this amplifier is no ordinary volume control but a specially constructed dual potentiometer giving excellent reproduction over the entire output range. This control has absolutely no audio frequency discrimination and the original quality is maintained at high or low volume levels.

### Quality, Power And Performance

This amplifier is particularly adapted for airplane advertising, sound trucks, stadiums, broadcast transmitters and for multi-speaker installations in hotels, wired radio systems, hospitals and convention halls. Up to 25 dynamic speakers may be hooked up to this circuit. It has a coverage of up to 10,000 persons and a space coverage of over three square city blocks. The tonal reproduction of this amplifier is as fine as can be obtained from any. A true straight line curve from 30 to 10,000 cycles proves this claim.

### UNIVERSAL INPUT AND OUTPUT CONNECTIONS

The input transformer of this amplifier eliminates the necessity for additional microphone, input stages. It is wound for use directly with a single or double button microphone 500 ohm speech line or condenser microphone amplifier. This transformer also enables the use of a low or high impedance pickup.

The output transformer is wound as follows:

- 9 ohms for Wright-DeCoster and similar speakers.
- 15 ohms for RCA Photophone Dynamics, recorders and Dynamic units.
- 500 ohms for speech lines, multiple speakers and mixer lines.
- 4000 ohms for magnetic speakers and dynamics already containing output transformers.

### MONITOR SPEAKER OUTPUT

Two special output posts are brought out for use in multi-speaker installations or where speakers are distantly located for monitoring or listening-in with phones or magnetic speaker. This output is at a low level for comfort. This in no way affects the volume or quality of the amplifier.

Employs 2-57, 2-56, 2-250 and 2-281 Tubes  
MODEL 125

**\$42.50**

Complete With Raytheon Tubes

Amplifier **\$37.50**  
Only . . . . .

### Features:

- Triple Push Pull Class "A" Prime Audio Monitor Speaker Output Attenuator Control
- Gain 90 DB.
- Built-In Microphone Pre-amplifier
- Input from Mike or Phone — With Built in Transformer
- Output to Voice Coils, 500 Ohm Line or High Impedance

# THE BROADCAST ROOM

"BROADCAST" EXCLUSIVELY by  
**COAST-TO-COAST RADIO CORP.**

**FEB.-MARCH-APRIL, 1931 ISSUE**

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#### the Price

The amplifier housed in the unit assembly contains three stages using the type 37 tubes. These tubes work particularly well for this purpose as they are built for rough usage, and have a noticeable absence of microphonics. With these three stages the output is brought well up to zero level. The entire unit assembly is contained in a heavy steel housing finished in black crackle.

The stand for this microphone is made of 1 1/2 inch piping securely mounted on a heavy cast iron base. This stand is adjustable from 40 to 84 inches. A special suspension hook is supplied so that the entire unit assembly may be removed from the stand and suspended from the sound truck roof or studio ceiling. This microphone uses a 6 volt supply for the filament and 135 volts of plate. Output 200 ohms.



Model 725



Complete With



### Quality, Power And Performance

This amplifier is particularly adapted for airplane advertising, sound trucks, stadiums, broadcast transmitters and for multi-speaker installations in hotels, wired radio systems, hospitals and convention halls. Up to 25 dynamic speakers may be hooked up to this circuit. It has a coverage of up to 10,000 persons and a space coverage of over three square city blocks. The tonal reproduction of this amplifier is as fine as can be obtained from any. A true straight line curve from 30 to 10,000 cycles proves this claim.

### UNIVERSAL INPUT AND OUTPUT CONNECTIONS

The input transformer of this amplifier eliminates the necessity for additional microphone, input stages. It is wound for use directly with a single or double button microphone 500 ohm speech line or condenser microphones amplifier. This transformer also enables the use of a low or high impedance pickup.

The output transformer is wound as follows:

- 9 ohms for Wright-DeCoster and similar speakers.
- 15 ohms for RCA Photophone Dynamics, recorders and Dynamic units.
- 500 ohms for speech lines, multiple speakers and mixer lines.
- 4000 ohms for magnetic speakers and dynamics already containing output transformers.

### MONITOR SPEAKER OUTPUT

Two special output posts are brought out for use in multi-speaker installations or where speakers are distantly located for monitoring or listening-in with phones or magnetic speaker. This output is at a low level for comfort. This in no way affects the volume or quality of the amplifier.

### High Plate Efficiency Assures Higher Output

The normal plate efficiency of a 250 power tube is approximately 30%. In each tube consumes almost 25 watts and gives less than 5. In the model 125 the great output of 30 watts is obtained because the plate efficiency of our output circuit has been raised to over 60%!

### Attenuation Control

The Attenuator Control of this amplifier is no ordinary volume control but a specially constructed dual potentiometer giving excellent reproduction over the entire output range. This control has absolutely no audio frequency discrimination and the original quality is maintained at high or low volume levels.

Now! Double Class "A" Prime Acratone Class "A" Prime

Triple push-pull

De Luxe

AMPLIFIER

Employs 2-57, 2-56, 2-250 and 2-281 Tubes MODEL 125

\$42.50

Complete With Raytheon Tubes

Amplifier \$37.50

Only . . . . .

### Features:

- Triple Push Pull Class "A" Prime Audio
- Monitor Speaker Output
- Attenuator Control
- Gain 90 DB.
- Built-In Microphone Pre-amplifier
- Input from Mike or Phone
- With Built in Transformer
- Output to Voice Coils, 500 Ohm Line or High Impedance

SUSPENSION HOOK  
BANQUET STAND  
DESK STAND AND CABLE  
AND FOR THIS SALE ONLY!  
3-RCA 237 Tubes **\$37.50**  
Included—Only . . .

**AC Power Supply**  
For Acratone Condenser  
Microphone



A heavy duty power supply specially developed for the Acratone condenser microphone. Delivers 135 volts at 20 mls and six volts for the filament. Completely hum free and smoothly filtered. Uses 1-280 tube.  
Cat. No. 720  
Complete . . . . . **'19.50**

**Midget Microphone  
Coupling Stage**

Over 300,000 midget home broadcasting microphones have been sold throughout the country. Thousands of purchasers of these microphones have been disappointed with their operation. Here is a golden opportunity to make some extra money. This Coupling Stage makes these mikes perform on any set. Just hook the mike to the input posts and the output posts to the phonograph with the grid of the detector tube. The coupling stage also has a built in volume control and switch so that its output may be regulated. Complete with 1-6682 flashlight cell.  
Cat. No. 7370 . . . . . **'1.49**



**Accratone SIX VOLT  
AUTOMOBILE AMPLIFIER**

Operating entirely from a six volt storage battery this amplifier contains a motor generator furnishing over 300 volts to the plates of the power tubes. The filament for all the tubes is also obtained from the power tubes current drain on the battery is 9 amperes. The amplifier has an output of 7 watts which is sufficient to cover a city block and drive 3 dynamic speakers. The amplifier has extremely fine quality and its measured response curve is fairly flat from 30 to 9000 cycles. A microphone and phonograph transformer is built-in so that no additional transformer is necessary.

**FOR USE WITH ABOVE AMPLIFIER**  
**WRIGHT DE COSTER Giant**  
Model, 6 Volt Dynamic Speaker,  
12 Inch Diameter **\$9.50**  
Cat. No. 401

**Peerless 14-inch Dynamic  
Speaker**

A new supply of these powerful reproducers just arrived! We've specially priced them for quick sale. Gives you an opportunity to buy one of the finest speakers built at a real price. These speakers will safely handle 20 watts without rattling although less than a watt will drive them. They are equipped with output transformers for push pull 245 or 250. Voice coil impedance 15 ohms. Field Resistance 1000 ohms.  
Cat. No. 740  
Only . . . . . **'9.75**



**Universal Baby Mike**



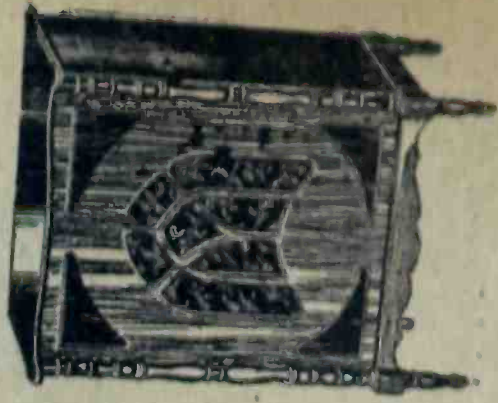
Baby Mike is a genuine single-button carbon microphone of 200 ohms resistance. It is mounted in a die-cast mounting 3 1/4 inches high—a replica of the regular Broadcast models. It may be connected to amplifiers or direct to almost any radio set in the market.  
Cat. No. 206  
Only . . . . . **'1.95**



**MODEL 770**  
**\$37.50**  
LESS TUBES  
Employs 2-36, 2-37 and 2-42 Tubes  
Set of Universal Tubes . . . **\$3.90**  
Set of RCA Tubes . . . . . **\$5.64**

**Studio Speaker  
Cabinet**

Most sound installations look sloppy and unfinished just because the speakers are open to view. Here is an ideal console cabinet which not only lends real beauty to your job but at the same time acts as a large baffle for the speaker. This console strongly resembles the BOA 104 cabinet.



Plenty of space has been allowed for mounting an amplifier or additional equipment beside a large auditorium speaker. The cabinet is exceptionally handsome and is entirely of wood with a gothic trim and two bone front panels. Size 36 1/4" high, 23" wide, and 11" deep. Speakers are supplied for speakers from 8 to 16 inches in diameter. Specify speaker size in ordering.

Cat. No. 755  
Only . . . . . **\$6.95**

**25 PARK PLACE** *Federated Purchaser Inc.*

**CHICAGO, ILL.**  
1331 S. MICHIGAN AV.

**ATLANTA, GA.**  
631 SPRING ST. N.W.

**PHILA., PA.**  
2909 N. BROAD ST.

**JAMAICA, L.I.**  
92-26 MERRICK RD.

**BRONX, N.Y.**  
534 E. FORDHAM RD.

**NEW YORK CITY**  
**NEWARK, N.J.**  
273 CENTRAL AV.



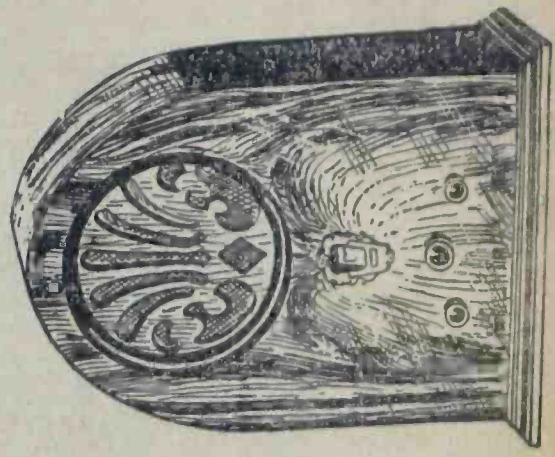
# Roll Call

"BROADCAST" EXCLUSIVELY by  
**COAST-TO COAST RADIO CORP.**

**FEB.-MARCH-APRIL, 1931 ISSUE**

## 3 Screen Grid-Push Pull 245 Six Tube Set

We well realize that there are much less expensive midget receivers on the market, than this model —we further realize that we could sell considerably more of the lower priced midgets. Our experience has shown us that much dissatisfaction often prevails with the "cheap midgets," and our Sales Policies therefore **RULE THEM OUT!** Our sincere suggestion is that you pay the few dollars more required, and thereby never have cause to regret such a purchase. This receiver is illustrated on page 2 herein at page the MATCHED DYNAMIC SPEAKER in this ensemble. Note exquisite



The T. R. F. Chassis included and described in this issue will also find description in the MATCHED DYNAMIC SPEAKER in this ensemble. Note exquisite

## 4 Screen Grid-6 Tube T. R. F. Midget Set

Uses 4-224, 1-245, 1-280 A. C. tubes. This combination produces a surprising amount of undistorted volume with a fund of Selectivity and Sensitivity that would be considered as excellent, in a very much larger, senior size. Radio long and short antenna connections —volume control and panel switch are provided. The ILLUMINATED DRUM DIAL, with large easily read numbers, rotates the THREE GANG variable condenser with considerable ease. A tasteful grille design on the handsome cabinet will grace any room in which it is installed! A ROLA MATCHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!



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- Automatic Volume Control
- Dual Wave—75 to 550 meters
- Tone Control
- Band Pass Filter
- Full Vision Dial
- Built-in Aerial
- Size 13 3/4 x 15 x 8 1/4 inches

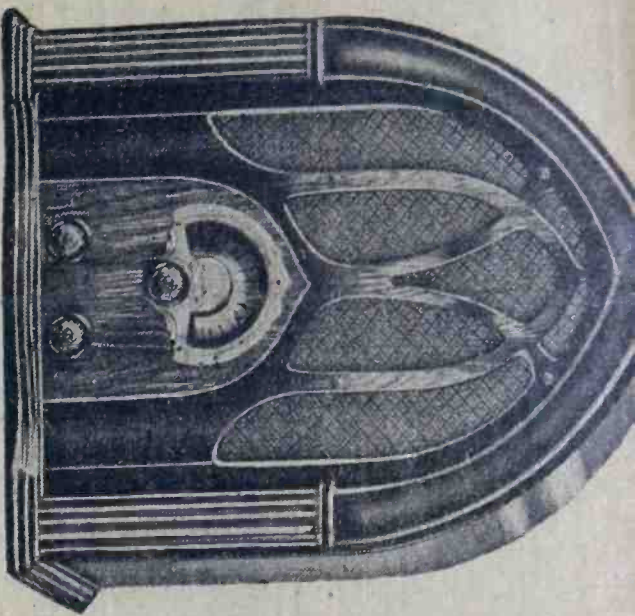
This new Acratone receiver is just the set for you to sell. It's large, handsome and with every feasible sales feature. An up to the minute radio. The built-in aerial is really a part of the set and does not trail around the room. The tonal quality of this set is comparable to that of a console model. The use of a new superheterodyne circuit produces high selectivity and sensitivity.

MODEL 50A

**\$15.95**  
LESS TUBES

**\$18.50**

Complete with  
RCA Tubes  
Uses 1-57, 1-58, 2-58, 1-47, 1-80  
Tubes.



## Royal - Universal AC - DC Receiver

For 110 to 125 volts AC or DC  
any cycle

For 220 to 250 volts AC or DC  
any cycle

For 32 volt Farm Systems  
For 6 volt automobile use.

Now we present 1933's handsomest profit maker. A splendid universal AC-DC receiver at a remarkably low price. The Royal uses the most modern type tubes including the

MODEL 9A

ONLY

**\$8.95**



7, 76, 43 and 2525. The set requires no outdoor aerial and brings in fine reception from hundreds of stations both near and far. The receiver is housed in a beautiful all wood cabinet measuring 11 inches wide, 5 inches high and 5 inches deep. On the rear of the set a socket is provided for adaptors for 6, 32 and 220 volt operation. Cat. No.

7790 Adaptor for 6 volt auto use ..... \$ .95

7791 Adaptor for 32 volt farm system ..... 2.25

7792 Adaptor for 220 volt AC or DC ..... 1.45

## Jewel 4-Tube Receiver Model 100

Tubes Used

2-224A  
1-247  
1-280

A complete set of "Universal" Tubes for this Model 100 set is \$1.75 extra.

Sets on Sight



This set has every feature that the large sets have. They meet absolutely no sales resistance. Each demonstration sells a set. The small yet resonantly powerful dynamic speaker handles every tone as though it were of auditorium size. The high powered output of the 247 Pentode makes this speaker perform like a major! The neatly tailored cabinet finished in two tones enhances the beauty of any surroundings. This cabinet is entirely of wood and features a trim lyre grill, and a handsome and decorative bordered design. The volume control and switch combined makes the operation of this receiver extremely simple. An illuminated full vision dial allows quick sighting of station locations. This four tube set outshines many of its class.

**Our Price**  
**\$6.95**  
Less Tubes

sized console radio receiver. Just look at a ridiculously low price. Doesn't that set have appeal? Isn't that cabinet a beauty? And the set is an honest-to-goodness powerful large five tube superheterodyne with *Automatic Volume Control, the Latest Tubes, a 10 inch Dynamic Speaker, Full Vision Dial*, and the product of one of the six largest radio receiver manufacturers. The cabinet stands 39 inches high, 21 1/2 inches wide and 12 1/4 inches deep. This set uses the latest type tubes, namely, 1-57, 1-58, 1-2A6 1-47, 1-80.

MODEL 22A

**\$24.95**

Complete With Tubes

For 110 to 125 Volts 60 Cycles AC

## Acratone 5 Tube T. R. F. Receiver

MODEL 8A

A receiver using two stages of T.R.F. a detector, a stage of audio and a rectifier has long been the accepted standard in fine receivers. The use of the new tubes enhances the performance of this receiver. Every possible feature has been incorporated in the Model 8A to simplify its resale at a handsome profit.

### PERFORMANCE

The Model 8A uses a three gang tuning condenser specially matched to a set of high gain R.F. coils making possible long distance reception. A full sized dynamic speaker and a substantial baffle bring its tone quality above the usual midget class. The volume control and switch are combined in one control. Another knob controls the tuning and a third is a tone control.

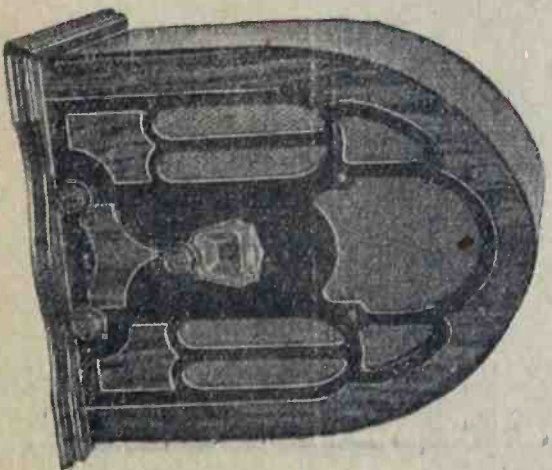
### QUALITY AND POWER

The Acratone receivers have always been supreme in tonal quality. The true realism of every orchestral instrument is afforded. No distorted blast, but true reproduction. And loads of power. The full 2.5 watts output of a 47 pentode and the punch of a full sized Dynamic Speaker.

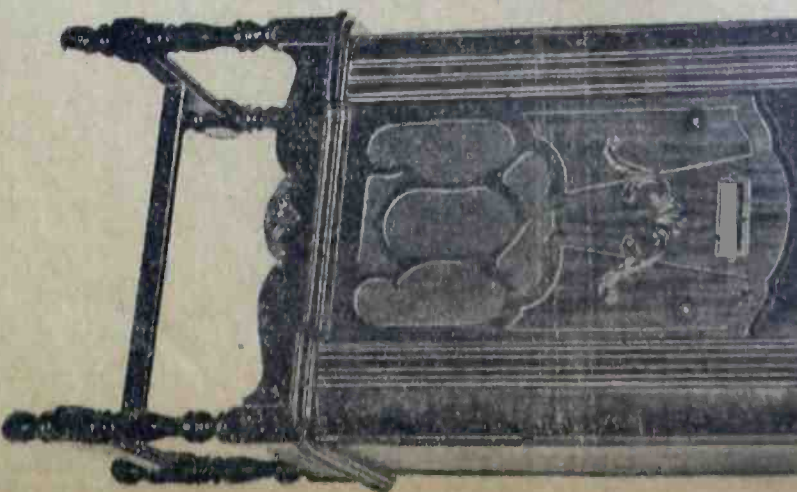
MODEL 8A

Uses 2-58, 1-57, 1-47, 1-80

Set of Universal Tubes . . . \$2.95  
Set of R. C. A. Tubes . . . 4.32



**\$10.95**  
Less Tubes



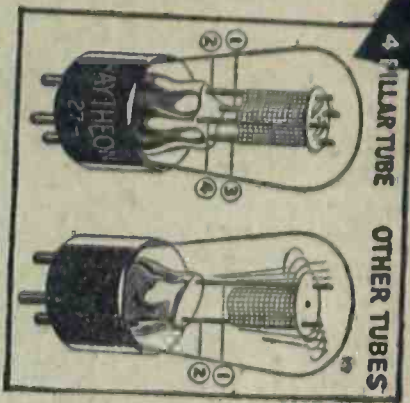
# ANNOUNCEMENTS!

FEDERATED PURCHASER, Inc., is proud to announce its appointment as eastern mail order distributor of



## 4 Pillar Radio Tubes

The Raytheon 4 pillar Radio Tube is the product of the Raytheon Production Corporation, successors to Eveready Raytheon. The 4 pillar construction tube has been accepted by radio's largest set manufacturers as standard equipment with their receivers. The sturdy interval construction of Raytheon 4 pillar radio tubes gives longer life and greater dependability. The 4 pillar tube is non-microphonic and allows greater stability. Federated Purchaser, Inc., carries a complete stock of Raytheon 4 pillar Radio Tubes including all of the new types recently made available. A discount of 40-10 and 20% off list is allowed on all types.



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# Inequality Radio But joins

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534 E. FORDHAM RD.

NEWARK, N.J.  
213 CENTRAL AV.

### Scratorne

Dual Wave Six Tube  
Superheterodyne

### Scratorne

Console Model 22-A Five  
Tube Superheterodyne

Model 50A



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The T. R. F. Chassis included is illustrated and described in detail on page 2 herein—you will also find description of the MATCHED DYNAMIC SPEAKER in this ensemble. Note exquisite design on the handsome cabinet will grace any room in which it is installed! A ROLA MATCHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!

## 4 Screen Grid-6 Tube T. R. F. Midget Set



Uses 4-224, 1-245, 1-280 A. C. tubes. This combination produces a surprising amount of undistorted volume with a fund of Selectivity and Sensitivity that would be considered as excellent, in a very much larger, senior size. Radio long and short antenna connections—volume control and panel switch are provided. The ILLUMINATED DRUM DIAL, with large easily read numbers, rotates the THREE GANG variable condenser with considerable ease. A tasteful grille design on the handsome cabinet will grace any room in which it is installed! A ROLA MATCHED DYNAMIC SPEAKER is furnished, and reproduces both voice and music with startling reality!

- Automatic Volume Control
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- Tone Control
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- Built-in Aerial
- Size 13 1/4 x 15 x 8 1/4 inches

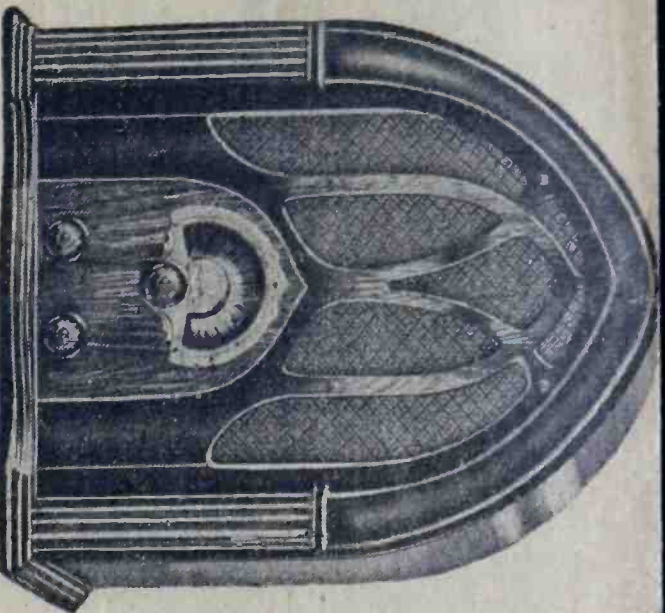
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**MODEL 50A**

**\$15.95**  
LESS TUBES

**\$18.50**

Complete with RCA Tubes  
Dees 1-57, 1-58, 2-56, 1-47, 1-80 Tubes.



**Royal - Universal AC - DC Receiver**

- For 110 to 125 volts AC or DC any cycle
- For 220 to 250 volts AC or DC any cycle
- For 32 volt Farm Systems
- For 6 volt automobile use.

Now we present 1933's handsomest profit maker. A splendid universal AC-DC receiver at a remarkably low price. The Royal uses the most modern type tubes including the

**MODEL 9A**

ONLY

**\$8.95**



The set requires no outdoor aerial and brings in fine reception from hundreds of stations both near and far. The receiver is housed in a beautiful all wood cabinet measuring 11 inches wide, 13 inches high and 5 inches deep. On the rear of the set a socket is provided for adaptors for 6, 32 and 230 volt operation. Cat. No.

- 7790 Adaptor for 6 volt auto use ..... \$ .95
- 7791 Adaptor for 32 volt farm system ..... 2.25
- 7792 Adaptor for 220 volt AC or DC ..... 1.45

**Jewel 4-Tube Receiver Model 100**



A complete set of "Universal" Tubes for this Model 100 set is \$1.75 extra.

**Sets on Sight**

This set has every feature that the large sets have. They meet absolutely no sales resistance. Each demonstration sells a set. The small yet resonantly powerful dynamic speaker handles every tone as though it were of auditorium size. The high powered output of the 247 Pentode makes this speaker perform like a major! The neatly tailored cabinet finished in two tones enhances the beauty of any surroundings. This cabinet is entirely of wood and features a trim lyre grill, and a handsome and decorative border design. The volume control and switch combined makes the operation of this receiver extremely simple. An illuminated full vision dial allows quick sighting of station locations. This four tube set outshines many of its class.

**Our Price Less Tubes \$6.95**

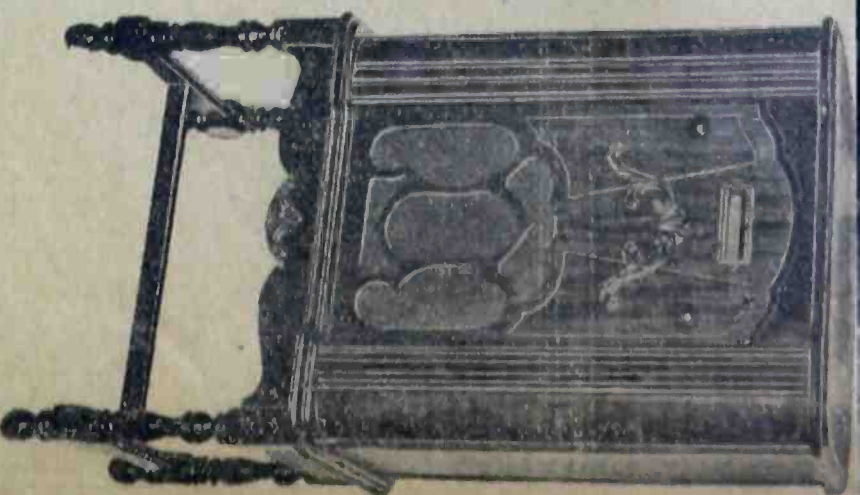
Here is a wonderful bargain! A full sized console radio receiver complete at a ridiculously low price. Just look at this beautiful photograph. Doesn't that set have appeal? Isn't that cabinet a beauty? And the set is an honest-to-goodness powerful large five tube superheterodyne with *Automatic Volume Control, the Latest Tubes, a 10 inch Dynamic Speaker, Full Vision Dial*, and the product of one of the six largest radio receiver manufacturers. The cabinet stands 39 inches high, 21 1/2 inches wide and 12 1/4 inches deep. This set uses the latest type tubes, namely, 1-57, 1-58, 1-2A6 1-47, 1-80.

**MODEL 22A**

**\$24.95**

Complete With Tubes

For 110 to 125 Volts 60 Cycles AC



**Acratone 5 Tube T. R. F. Receiver**

**MODEL 8A**

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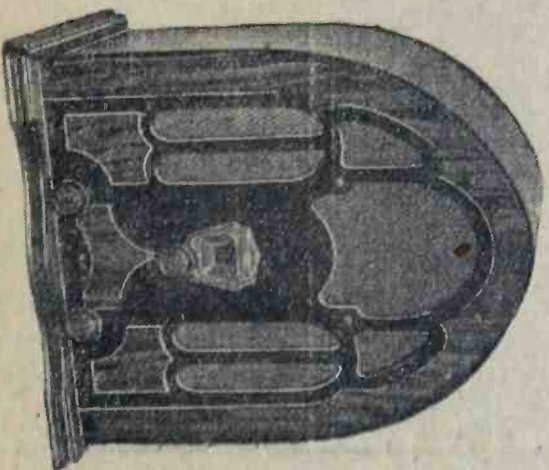
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- Set of Universal Tubes . . . \$2.95
- Set of R. C. A. Tubes . . . 4.32

**\$10.95**  
Less Tubes

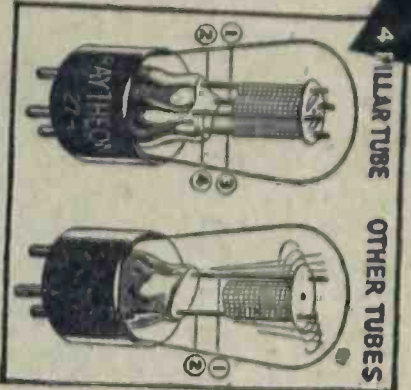


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*Seratone*

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**Dual Wave Six Tube  
 Superheterodyne**

**Console Model 22-A Five  
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**Inequality  
 RADIO  
 Butyginis**