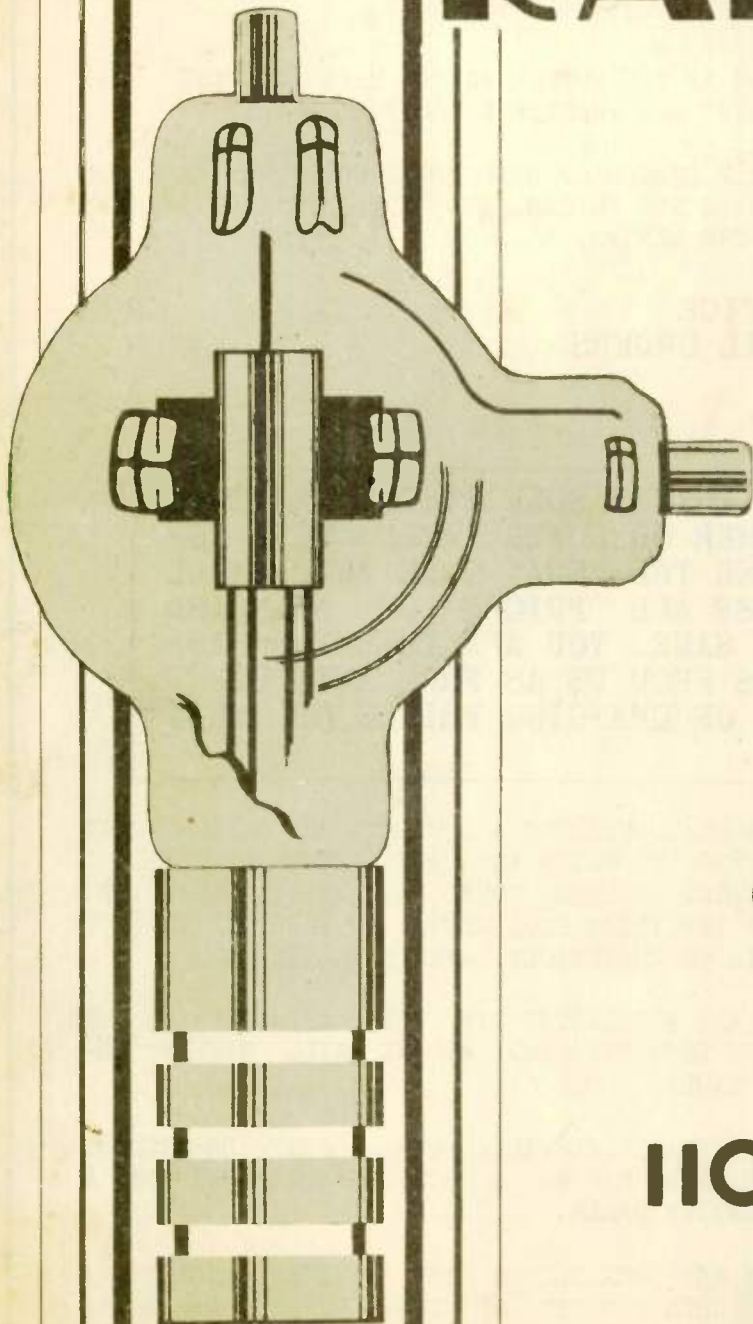


WALTER ASHE RADIO



**SPRING
1934
ISSUE**

3-12-34

**PHONES
CHESTNUT 7934
CENTRAL 4039**

**1100 PINE ST
ST LOUIS**

WALTER ASHE RADIO CO.

1100 Pine Street - - St. Louis, Missouri

1924



1934

AS MEMBERS OF THE NRA WE WILL CONTINUE IN THE FUTURE AS WE HAVE IN THE PAST TO COOPERATE WITH THE FEDERAL GOVERNMENT AND PRESIDENT ROOSEVELT.

THIS CATALOG WAS PUBLISHED FOR THE SOLE REASON OF BRINGING BEFORE THE EYES OF THE SERVICEMAN, AMATEUR AND EXPERIMENTER NEW PRICES AND NEW APPARATUS WHICH HAVE BEEN DEVELOPED WITHIN THE PAST FOUR MONTHS.

NOTICE FOR MAIL ORDERS

TERMS. CASH WITH ORDERS.

C.O.D. ORDERS MUST BE ACCOMPANIED WITH 25% OF THE TOTAL AMOUNT.

DUE TO RAPIDLY CHANGING PRICES SOME ITEMS IN THIS ISSUE MAY BE EITHER HIGHER OR LOWER WHEN YOU RECEIVE THIS CATALOG. UNDER THE "NRA" CODE WHICH WILL GOVERN THE RADIO BUSINESS ALL PRICES ON STANDARD MERCHANDISE WILL BE THE SAME. YOU ARE THEREFOR ASSURED OF THE SAME PRICES FROM US AS FROM ANY OTHER SUPPLY HOUSE REGARDLESS OF CHANGING PRICES OR WHAT OTHER CATALOGS MAY SHOW.

WE MAINTAIN IN CONNECTION WITH OUR REGULAR BUSINESS A COMPLETE AND MODERN RADIO LABORATORY. THIS DEPARTMENT IS EQUIPPED TO DESIGN AND MANUFACTURE ANY SPECIAL OR "HARD TO GET" PIECE OF APPARATUS WHICH INCLUDES SOUND APPARATUS, RECEIVERS, ANY TYPE OF TRANSMITTER AND ANY OTHER PRECISION EQUIPMENT. NO PROBLEM IS TOO LARGE. THERE IS NO FEE FOR OUR ADVICE OR QUOTATIONS. WRITE OR ASK US.

IF THERE ARE ANY SPECIAL ITEMS WHICH ARE NOT LISTED IN THIS CATALOG, LET US KNOW YOUR REQUIREMENTS, OR SEND IN THE DEFECTIVE PART AND WE WILL EITHER OBTAIN IT OR SUGGEST A CORRECT SUBSTITUTION.

WE DO NOT COMPETE WITH SERVICEMEN FOR RETAIL SERVICE. OUR REPAIR DEPARTMENT IS FOR THE SERVICEMAN AND DEALER WHO HAVE EITHER A SURPLUS OF WORK OR A "STICKER". WE DO NOT TAKE OUTSIDE SERVICE CALLS.

LISTEN FOR W9FIS ON THE AIR EVERY DAY AND OPERATED BY ANY AMATEUR HOLDING A OPERATORS LICENSE. DROP IN THE SHACK WHEN YOU GET IN TOWN. W9FIS, W9HWD AND W9HWF ARE ALWAYS GLAD TO MAKE THE ROUNDS WITH YOU.



GROUP A*

	LIST	NET
01A Amplifier and Detector.....	\$.60	\$.32
24A AC Screen Grid Amplifier.....	1.20	.70
26 AC Amplifier.....	.65	.35
27 AC Amplifier and Detector.....	.70	.38
35/51 Variable Mu Tetrode.....	1.30	.70
45 Power Amplifier.....	.75	.41
47 Power Pentode.....	1.30	.70
71A Power Amplifier.....	.75	.41
80 Full Wave Rectifier.....	.70	.38

GROUP B*

25Z5 Voltage Doubler.....	2.00	1.08
30 Amplifier and Detector.....	1.30	.70
36 Screen Grid Amplifier.....	1.50	.81
37 Detector-Amplifier.....	1.20	.65
39 R. F. Pentode.....	1.50	.81
42 Cathode Type Power Pentode.....	1.60	.89
43 Cathode Type Power Pentode.....	2.50	1.35
44 Super Control R. F. Amplifier Pentode.....	1.50	.81
56 AC Amplifier and Detector.....	1.20	.65
57 R. F. Pentode.....	1.65	.89
58 R. F. Pentode (Variable Mu).....	1.65	.89
77 Triple-Grid Amplifier and Detector.....	1.80	.97
78 Triple-Grid Super Control Amplifier.....	1.80	.97
183 Power Amplifier.....	1.65	.89
485 Amplifier and Detector.....	1.45	.78

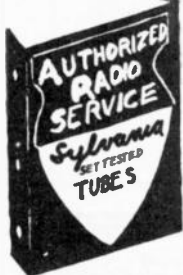
GROUP C*

1A6 Pentagrid Converter.....	1.75	.95
1V Half Wave High Vacuum Rectifier.....	1.25	.68
2A3 Power Amplifier Triode.....	4.00	2.16
2A5 Cathode Type Power Pentode.....	1.60	.87
2A6 Double Diode Triode.....	1.60	.87
2A7 Pentagrid Converter.....	2.20	1.19
2B7 Double Diode Pentode.....	2.00	1.19
5Z3 Heavy Duty Full Wave High Vac. Rect.	1.50	.81
6A4/LA Power Amplifier.....	1.60	.87
6C6 R. F. Pentode.....	1.25	.68

GROUP C*—Continued

6D6 R. F. Pentode (Variable Mu).....	\$1.25	\$.68
6A7 Pentagrid Converter.....	2.20	1.19
6B7 Double Diode Pentode.....	2.00	1.08
6F7 Pentode Triode.....	1.80	.97
10 Power Amplifier and Oscillator.....	5.00	2.70
12A Power Amplifier.....	1.30	.70
12Z3 High Vacuum Half-Wave Rectifier.....	1.20	.65
15 2 Volt R. F. Pentode.....	2.85	1.54
18 Output Pentode.....	2.75	1.49
19 Class B Amplifier.....	1.50	.81
20 Dry Cell Power Amplifier.....	3.00	1.62
22 Screen Grid Amplifier.....	2.00	1.08
31 Power Amplifier.....	1.30	.70
32 Screen Grid Amplifier.....	1.90	1.03
33 Power Pentode.....	2.10	1.13
34 R. F. Pentode (Variable Mu).....	2.15	1.16
38 Power Amplifier Pentode.....	1.45	.78
41 Cathode Type Power Pentode.....	1.60	.86
46 Power Amplifier.....	1.55	.84
48 Output Pentode.....	3.00	1.62
49 Power Amplifier.....	1.70	.92
50 Power Amplifier.....	4.00	2.16
53 Class B Amplifier.....	1.80	.97
55 Double Diode Triode.....	1.60	.86
59 Triple-Grid Power Amplifier.....	2.00	1.08
75 Double Diode High Mu Triode.....	1.60	.86
76 A. C. Amplifier and Detector.....	1.20	.65
79 Complete Class B Amplifier.....	2.60	1.40
81 Half Wave Rectifier.....	3.50	1.89
82 Full Wave Mercury Rectifier.....	1.20	.65
83 Full Wave Mercury Vapor Rectifier.....	1.55	.84
84 High Vacuum Full-Wave Rectifier.....	1.75	.95
85 Double Diode Triode.....	1.60	.86
89 Triple Grid Power Amplifier.....	1.80	.97
V-99 Dry Cell Amplifier and Detector.....	2.25	1.22
X-99 Dry Cell Amplifier and Detector.....	1.50	.81
182B Power Amplifier.....	1.65	.89
864 Detector-Amplifier.....	2.10	1.13

Servicemen and Dealers!



SYLVANIA OFFERS DEALERS AND SERVICEMEN HELPS
IN THE FORM OF ENAMELED OUTDOOR SIGNS, TUBE
CHARACTERISTIC CHARTS, SERVICE HINTS,
ADVERTISING MATS, ETC. ASK US ABOUT THEM.

FREE!

G.E. TUNGAR Tubes

.6 Amp. Net \$3.00
2. Amp. Net \$3.00

GENUINE KELLOGG A.C. TUBES

The high quality, popular Kellogg A.C. tubes, released only after rigid laboratory tests. Shpg. wt., 1 lb. each.

Type 401 Detector Amplifier. List, \$4.00. YOUR PRICE..... **\$2.35**
Type 403. List, \$5.00. YOUR PRICE..... **\$2.94**

B R Tubes For 1932 Mallory Eliminator

List \$2.50
Net **\$1.50**

NEON GLOW LAMPS
Made by General Electric Co., Type G-10. Standard base. 101 uses.

NET ea. \$ **.40**

PILOT LIGHT BULBS
GENUINE G. E.
Genuine MAZDA High Quality Bulbs

25 Volts | .06
32 Volts | EACH .08
6.0 Volts | .06
Per Box of Ten **54**

DURESITE Ballast Tubes
#105 Net \$1.62
#110 Net 1.62

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

PARTS FROM A CRYSTAL TO A TRANSMITTER

Centralab

CENTRAL RADIO LABORATORIES

Separate Radiohm Switch Cover

Any plain Radiohm catalogued above may be converted to the switch type by replacing the plain cover with this switch cover.

No. 10 Switch Cover

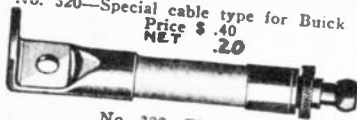


LIST \$0.50
NET .25

Ask for the 1934
Volume Control Guide
FREE

Centralab Suppressors for all Cars!

No. 320—Special cable type for Buick
Price \$.40
NET .20



No. 322—Plug type
Price \$.40
NET .20



No. 323—Distributor type
Price \$.40
NET .20

Centralab Power Rheostats

Heavy
duty type
Air-Cooled



50 Watt Rheostat

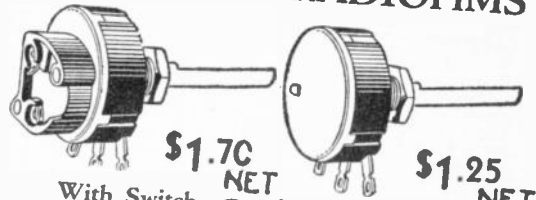
50
Watt
Rheostat

48-025
48-060
48-151
48-501
48-811
48-851

25 Ohms
60 Ohms
150 Ohms
500 Ohms
1,000 Ohms
5,000 Ohms

\$ 1.25
1.25
1.25
1.25
1.25
1.38

STANDARD RADIOHMS



\$1.70
NET

With Switch

85¢

\$1.25
NET

Less Switch

62¢

Case diameter 1 3/8 in. Depth 9/16 in.
Shaft 2 1/4 in. long, milled flat. May be cut to exact length needed.

Catalog With Switch	Number Without Switch	Usual Circuit Location	RESISTANCE Ohms
62-118	72-118	Voltage Divider	500
62-107	72-107	Voltage Divider	1000
62-101	72-101	Voltage Divider	2000
62-108	72-108	Voltage Divider	3000
62-109	72-109	Voltage Divider	4000
62-110	72-110	Voltage Divider	5000
52-204	70-204	Antenna Shunt	5000
62-114	72-114	Antenna, C-bias	10000
62-113	72-113	Antenna, C-bias of One Tube	10000
52-205	70-205	Antenna, C-bias of Two Tubes	10000
62-100	72-100	Antenna Shunt	10000
62-115	72-115	Antennnt, C-bias	15000
99-006	79-006	Antenna, C-bias	15000
62-119	72-119	Antenna, C-bias	20000
62-111	72-111	Voltage Divider	25000
62-133	72-133	C-bias	25000
52-206	70-206	C-bias	25000
62-102	72-102	Antenna Shunt	25000
62-103	72-103	Voltage Divider	50000
62-117	72-117	Tone Control	50000
62-123	72-123	Tone Control	75000
52-202	70-202	C-bias	75000
62-104	72-104	Voltage Divider	100000
62-122	72-122	Audio Grid or Tone	100000
62-120	72-120	Audio Grid or Tone	200000
62-131	72-131	C-bias	200000
62-121	72-121	Audio Grid or Tone	250000
62-105	72-105	Audio Grid or Tone	500000
62-106	72-106	Voltage Divider	500000
52-203	70-203	Series in R. F. Plate	500000
62-116	72-116	Audio Grid or Tone	1 Meg
62-132	72-132	Audio Grid or Tone	3 Megs

Centralab Controls^F Sound Projection

Order by line Impedance



Impedance Matching Resistance	1 Watt "L" Pad \$3.00 Part No.	4 Watt "L" Pad \$4.00 Part No.	10 Watt "L" Pad \$5.00 Part No.	25 Watt "L" Pad \$5.00 Part No.	"T" Pad \$7.00 Part No.	C. I. Fader \$8.00 Part No.
10,000 Ohms	74-544	96-003				
5,000 "	74-543	96-002	94-006			
1,500 "					93-008	83-006
500 "		96-007	94-005		93-001	83-002
200 "		96-006	94-004		93-002	83-003
100 "			94-003		93-003	83-004
50 "		96-005	94-002		93-004	
15 "		96-001	94-001	47-209 47-208	93-005 93-006	83-005
NET PRICE	\$1.50	\$2.00	\$2.50	\$2.50	\$3.50	\$4.00

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

Special Replacement Controls

Exact duplicates of the original in mechanical and resistance specifications, but not necessarily in appearance

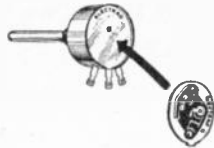
Make and Model No.	Part No.	Price	Make and Model No.	Part No.	Price
All American 70, 73-75	70-301	\$ 1.50	Grigsby-Grunow 400	37-006	\$ 1.00
All American DC	74-615	1.50	Grigsby-Grunow Midget Super.	74-603	1.50
American Bosch 28, 29	72-207	1.25	Gulbransen WG24, 291, CG, 9 in Line, Club.	74-509	1.50
American Bosch 80 Auto	70-018	1.00	Gulbransen 80-8 Tube	25-423	1.50
American Bosch 48, 49	74-510	1.50	Gulbransen 40	41-084	.75
American Bosch 58, 62	72-167	1.00	Gulbransen 092, Tone	41-096	.75
American Bosch 54 D.C.	74-557	1.50	Gulbransen 092	72-173	1.25
American Bosch 60, 61, 63	72-166	1.00	Gulbransen 10, 13 Series, Phono.	55-005	1.00
American Bosch 48, 49 Early	74-501	1.50	Gulbransen 90 Series	74-556	1.50
Atwater Kent Co. 37, 38, 40, 41, 42, 43, 44, 45, 47, 52, 53	72-112	.75	Gulbransen 5 Tube DC	74-555	1.50
Atwater Kent Co. F. Series, L2, P, 75, Q2	74-521	1.50	Gulbransen 072	51-051	.75
Atwater Kent Co. 61, 61C, H1, H2, 72	25-426	1.50	Gulbransen 122	72-174	1.00
Atwater Kent Co. 80, 83	2011905	1.00	Gulbransen 122 Tone	51-058	.75
Atwater Kent Co. 636	51-122	.75	Gulbransen 122	41-099	.75
Bremer-Tulley 7-70, 7-71	72-169	1.00	Gulbransen V6X	33-083	1.00
Brunswick-Balke 10, Midget	55-004	1.00	Gulbransen 06A	306-002	1.00
Canadian Westinghouse 80	74-524	1.25	Gulbransen 00A, Tone	41-148	.75
Clearstone Radio Corp. 110 Compact	74-608	1.50	Gulbransen 00A	51-163	.75
Colonial Radio S.G.-32 AC	25-417	.75	Gulbransen 17A	1010033	.75
Colonial Radio 40, 43, 44, 47	41-074	.75	Gulbransen 7 Tube Arcadia	1220001	.75
Columbia Radio Oxford	80-012	1.25	Howard 134, 395, 445, 495	74-620	1.50
Columbia Radio C-31-101	55-004	1.00	Jackson Bell Jewell 547	55-014	.90
Columbia Screen Grid 8	82-028	1.25	Jesse French & Sons G, Jr. H-1	75-507	1.25
Crosley Radio Corp. 41-A, 42, 61, 602, 608, 609, 610, 704, 705, 706	51-037	.75	Kennedy, Colin B. 12 S.G., 10, 20	76-008	1.50
Crosley Radio Corp. 40S, 41S, 42S, 82S, 71A	70-503	1.25	King Mfg. Co. 109	51-001	.75
Crosley Radio Corp. 28, 30-31, 33, 34, 40, 41, 42, 82-S, 315	72-019	.75	King Mfg. Co. 112	98-003	1.00
Crosley Radio Corp. 55, 126	72-055	.75	Kolster Radio Corp. K42 to 45	76-006	1.50
Crosley Radio Corp. 52, 26	72-045	.75	Kolster Radio Corp. 930 Phono. Comb.	75-525	1.25
Crosley Radio Corp. 75, 76DC, 77, 84	72-047	.75	Montgomery-Ward & Co. AE-10	74-509	1.50
Crosley Radio Corp. 143-1	2013901	1.00	Montgomery-Ward & Co. Monarch, Air Line	79-014	1.00
Crosley Radio Corp. 40S, 41S, 42S, 82S, 71A, Late Models	74-511	1.25	National Carbon Co. 50 Series	74-503	1.50
Crosley 128	2115900	1.00	Ozarka V-16-16 Tubes	76-009	1.50
DeForest Radio 705	91-001	1.50	Ozarka Oxford	82-034	1.25
DeForest Radio 707-A	82-042	1.25	Philco 510-583, 82, 86, 87	24-016	.75
Earl Radio 21, 22 A.C.	25-416	1.50	Philco 95	24-264	.75
Earl Radio 271	76-006	1.50	Philco Baby Grand, 20, 20A, 220, 30, 70, 270	74-579	.95
Edison Radio C-1, SRC3, R1	26-021	1.00	Philco 41, 42-220A	74-560	.95
Edison Radio R2, C2, M-5-6	24-008	1.00	Philco 30, 96, 96A, 211A, 296, 111, 112 A	72-177	.65
Edison Radio R-12, Abbey Jr., R4, R5, C4, R6, R7	74-512	1.50	Philco 51, 52, 551	51-076	.50
Edison Radio R-6, R7, Early Model	64-306	1.50	Philco 71, 91, 121, 75	51-095	.60
Edison Radio Phono. Comb., 8-P	76-003	1.50	Philco 50, 50A	74-559	.95
"Erla," Electrical Research 225, 271, 271-A	75-506	.75	Philco 14, 16, 17, 18	2211900	1.00
"Erla," Electrical Research 602	2011045	1.25	Pilot Radio & Tube Corp. K-117	74-526	1.25
Fada, F.A.D. Andrea 30, 30A, 31, 10, 11	70-017	1.00	R.C.A. Victor R-37P, 38P	1210901	.88
Fada, F.A.D. Andrea 50, 70, 71, 72	70-059	1.00	R.C.A. Victor RC-78A 2Tapped	1210902	.88
Fada, F.A.D. Andrea 16, 17, 32, 18 DC	72-901	1.00	R.C.A. Victor RC-78 Twin	4220900	1.50
Fada, F.A.D. Andrea 35C	74-513	1.50	R.C.A. Victor R-32, RE-45, 52, 75, 145	74-600	1.25
Fada, F.A.D. Andrea 25, 15M, 15MZ	79-019	1.00	R.C.A. Victor 21, 22	72-013	.75
Fada, F.A.D. Andrea 20, 20Z	99-019	1.00	R.C.A. Victor 4 Circuit RC3, 48, R15, RE17, R42	74-526	1.25
Fada, F.A.D. Andrea 35, 35Z, 75, 77	72-168	1.00	R.C.A. Victor RE-57, RE-73, R-14, RE-34, 42	74-524	1.25
Fada, F.A.D. Andrea 35B, 40 AC	74-513	1.50	R.C.A. Victor RC-38	72-087	.75
Fada, F.A.D. Andrea 43, 76Z, KF, KG	74-541	1.50	R.C.A. Victor RC-29	52-024	1.00
Federal Radio Corp. F-10, 11	24-052	1.00	R.C.A. Victor R-8, R-12, R-11, R-26, R-10, RE-18, RE-18A, RE-19, R-21, R-37, R-38	1210900	.75
Federal Radio Corp. L	74-514	1.50	Sears Roebuck Co. 112	98-003	1.00
Freed-Eiseman Radio NR-90S, 657, 879	74-506	1.00	Sentinel (United Air Cleaners) Portola 3	44-059	1.00
Freshman Radio 3Q, 15, 16, N12, 17, 2M, QD, 16-S	41-200	.75	Sparks-Withington (Sparton) 750D, 870, 931, 4120-30	75-543	1.50
Freshman Radio 21 AC, 32	25-416	1.50	Sterling Radio 3A, 4, B, A2	44-059	1.00
Galvin Motorola	70-036	1.00	Sterling Radio F-1-60, 8 Tube, G	75-507	1.75
General Electric T-41, RC3	74-526	1.25	Stewart-Warner Corp. 900 Series	28-031	.75
General Electric J-80, J-85, S-132, K-62	1210900	.75	Stewart-Warner Corp. R-100 Series, 950, 935, 110 Series	30-010	.75
General Motors Delco, 3010, 3002	70-028	1.00	Stromberg-Carlson Tele. 635, 636	72-161	.75
General Motors A, B, 150, 160	74-514	1.50	Stromberg-Carlson Tele. 635, 636	72-162	.75
General Motors A, B, 150, 160, 1001	70-019	.75	Stromberg-Carlson Tele. 641, 42, 52, 54	72-159	.75
General Motors 1001, 160	74-517	1.50	Stromberg-Carlson Tele. 641, 42, 52, 54	72-160	.75
General Motors R-1-A (Converter) 281	74-552	1.50	Stromberg-Carlson Tele. 846, 848	72-205	.75
Graybar Electric Co. 678	74-526	1.25	Stromberg-Carlson Tele. 846, 848	72-206	.75
Graybar Electric Co. 989	1210900	.75	Stromberg-Carlson Tele. 12, 14	72-042	.75
Grebe A. H. Early SK4, AC	74-515	1.50	Stromberg-Carlson Tele. 22, 24	72-082	.75
Grigsby-Grunow 60, 70, 70-B	72-180	.75	Stromberg-Carlson Tele. 48	52-041	1.00
Grigsby-Grunow 150, 181	74-561	1.50	Stromberg-Carlson Tele. 38, 39, 40	75-545	1.75
Grigsby-Grunow Series 50	74-523	1.25	Temple Corp. 8-61-81-91, 5-55	74-515	1.50
Grigsby-Grunow 90, 91, 92, 180, 321	78-007	1.00	Transformer Corp. 40	55-004	1.00
Grigsby-Grunow 90, 91, 92, 180, 321 Twin	25-421	1.50	Transformer Corp. 55	51-005	.75
Grigsby-Grunow 90 Series	70-063	.75	Transformer Corp. 300	306-001	.88
Grigsby-Grunow 30, 31, 131-2-3, 230 A Twin	75-537	1.50	Westinghouse Electric WR-4	74-526	1.25
Grigsby-Grunow 100 Series	74-562	1.25	Westinghouse Electric WR-2	72-013	.75
Grigsby-Grunow 60 Series, 160	72-073	.75	Wholesale Radio Great Duo-Symphonic	74-607	1.50
Grigsby-Grunow 120 Series	74-548	1.25	Zenith Radio 50, 60, 70-1-2-3-7, 712-22-32-72, 70 Series, 41, 42, 412, 422	75-614	1.50
Grigsby-Grunow 15, 15B, 150 Series	55-010	.90	Zenith Radio 52, 53, 54, 57, 522-32-42, 70, 102, 112, 212, 11, 12	62-042	1.00
Grigsby-Grunow 25 Series	55-014	.90	Zenith Radio 2017	75-503	1.50
Grigsby-Grunow 15, 15B, 150, 25	41-060	.75	Zenith Radio 2014, 2017	51-039	.75
Grigsby-Grunow 110 Auto	72-088	1.00			
Grigsby-Grunow 111 Auto	30-017	1.00			
Grigsby-Grunow 130, 131, 132	72-181	.75			
Grigsby-Grunow 230	74-563	1.25			

... See the Centralab Volume Control Guide for Details of these and other Replacement Controls

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

PARTS FROM A CRYSTAL TO A TRANSMITTER

COMPLETE LINE OF ELECTRAD REPLACEMENT CONTROLS

LONG
ALUMINUM
SHAFTSEasily cut to any
desired length

Plain covers and covers with switch attached are instantly interchangeable. Just snap one out and the other in, without disturbing the control connections.

THE new Electrad line of Replacement Volume Controls is the most complete now available. Economical, too—for just five types (RI-201, RI-202, RI-203, RI-204, RI-205) will fit the replacement requirements for 1,000 modern and obsolete receiver models. Think what that means in convenience, and saving in time, labor and stock investment. All standard types are now instantly convertible to use a power-switch attached, in its place.

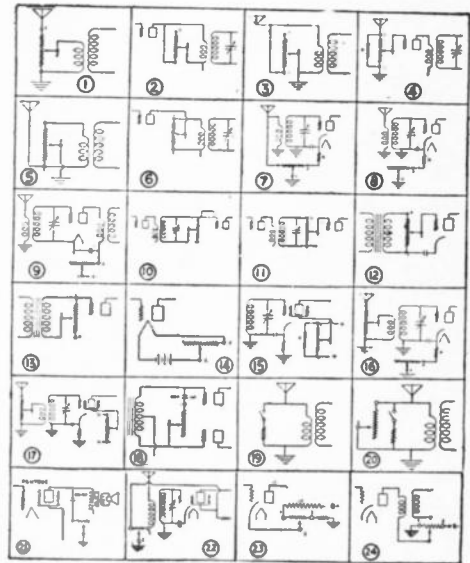
All Electrad Standard Replacement Volume Controls are now equipped with long aluminum shafts—easy to cut to any desired length. Less time—less trouble. The controls listed below are standard, and are available from stock at all times.

ELECTRAD STANDARD REPLACEMENT CONTROLS

Our Spec. No.	Circuit No.	Start	Taper Indicated by Readings in Sections			Finish
		Open-10	1/8	1/2	3/4	
RI-204 Rheostat	14	0	Uniform	Uniform	Uniform	0
RI-269	14	0	Uniform	Uniform	Uniform	20
RI-270	14	0	Uniform	Uniform	Uniform	30
RI-271	14	0	Uniform	Uniform	Uniform	50
RI-272	14	0	Uniform	Uniform	Uniform	100
RI-273	8, 23	0	Uniform	Uniform	Uniform	200
RI-274	8, 23	0	Uniform	Uniform	Uniform	400
RI-282	14	0	Uniform	Uniform	Uniform	600
RI-275	8, 23	0	Uniform	Uniform	Uniform	800
RI-276	8, 23	0	Uniform	Uniform	Uniform	1,000
RI-232	1, 4, 8, 15	0	Uniform	Uniform	Uniform	2,000
RI-233	8, 15	0	Uniform	Uniform	Uniform	3,000
RI-277	8, 23	0	Uniform	Uniform	Uniform	4,000
RI-234	15, 23	0	Uniform	Uniform	Uniform	5,000
RI-278	4, 7	0	300	1,200	2,500	5,000
RI-560	4, 7	0	350	1,500	3,750	7,500
RI-283	23	0	Uniform	Uniform	Uniform	10,000
RI-240	7	0	20	2,000	9,000	10,000
RI-573	8	12,000	5,000	1,000	200	0
RI-201	1, 2, 3, 4, 5, 6, 7	0	100	2,000	10,000	15,000
RI-279	15	0	Uniform	Uniform	Uniform	25,000
RI-280	21	0	1,500	6,000	12,500	25,000
RI-241	21	0	800	2,000	15,000	30,000
RI-205	15	0	Uniform	Uniform	Uniform	50,000
RI-202	8, 9	75,000	25,000	2,000	50,000	0
RI-242	12, 13, 18	0	6,000	25,000	50,000	100,000
RI-281	18	0	Uniform	Uniform	Uniform	200,000
RI-208	11, 12, 13, 18	0	15,000	60,000	125,000	250,000
RI-203	10, 11, 12, 13	0	2,000	20,000	200,000	500,000
RI-206	18	0	60,000	250,000	500,000	1,000,000

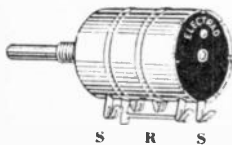
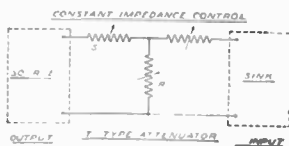
All above controls except RI-201 are potentiometer type. Where rheostat is wanted use center and one outside terminal. Uniform controls in values to 5,000 ohms are wire wound.

All "RI" units with standard insulated shaft **YOUR COST—\$6.00**
Separate "Snap-on" Switch Assembly complete **YOUR COST—.29**



SPECIAL REPLACEMENT CONTROLS— BESIDES THE STANDARD CONTROLS LISTED ABOVE ELECTRAD MANUFACTURERS HUNDREDS OF SPECIAL REPLACEMENT CONTROLS. THESE CONTROLS ARE OF EXACT RESISTANCE SPECIFICATIONS AND MECHANICAL DIMENSIONS TO FIT RECEIVERS LISTED. WRITE FOR FREE COMPLETE CONTROL BOOKLET.

ELECTRAD T-PADS AND LINE-ATTENUATORS

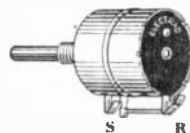
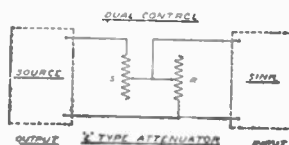
Electrad Royalty
T Pad Attenuator

Electrad Constant Impedance "T" pad controls are useful for the volume control of microphones, electrical phonographs, talking picture amplifiers and other sound amplifying and distribution systems. Constant impedance is maintained throughout the adjustment of knob.

Type	Line Impedance in Ohms
Type TR15	15
Type TR200	200
Type TR500	500
Type TR3000	3000
Type TR5000	5000

YOUR COST (All Sizes)\$2.10

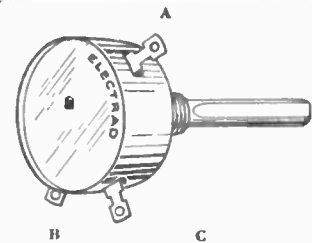
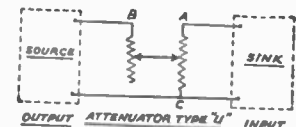
Note: The panel and rear units are series resistors (S. & S.) and the center unit is the shunt resistor (R).

Electrad Royalty
L Pad Attenuator

Type	Line Impedance in Ohms
Type LR15	15
Type LR200	200
Type LR500	500
Type LR3000	3000
Type LR5000	5000

YOUR COST (All Sizes)\$1.50

Note: The panel unit is the series resistor (S) and the rear unit is the shunt resistor (R).

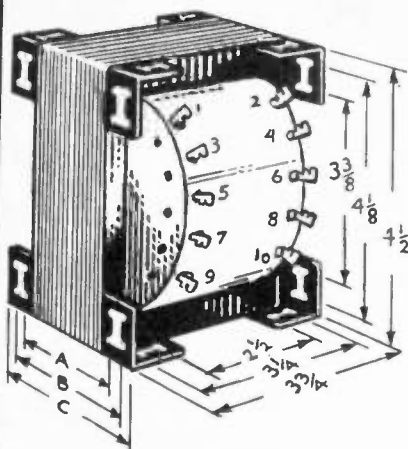
Electrad Royalty
Attenuator Type U

Type	Line Impedance in Ohms
Type U500	500
Type U4000	4000
Type U10000	10000

YOUR COST (All Sizes)\$1.20

Universal Replacement Transformers

Audio and Power



Stock No. 1473... (Dim. A—1 1/4", B—2 1/4", C—3 1/4")... **List Price \$4.00**
For—7 tubes, 224, 245, 280 **Net \$2 16**

4—224, 227 or 235... 6-57, 58-56... 2.5 volts @ 7.0 amps.
2—245 or 247... 2-2A5, 5-9... 2.5 volts C. T. @ 3.5 amps.
1—280... 1-5Z3... 5.0 volts @ 2.0 amps.
Plate... 700 volts C. T. @ 110 mils.

Stock No. 1476... (Dim. A—2", B—3", C—3 1/4")... **List Price \$4.75**
For—10 tubes, 224, 245, 280 **Net \$2 57**

7—224, 227 or 235... 10-57-58-56... 2.5 volts @ 12.25 amps.
2—245 or 247... 2-2A5-5-9... 2.5 volts C. T. @ 3.5 amps.
1—280... 1-5Z3... 5.0 volts @ 2.0 amps.
Plate... 700 volts C. T. @ 110 mils.

Stock No. 1477... (Dim. A—2", B—3", C—3 1/4")... **List Price \$4.00**
For—9 tubes, 224, 171A, 280 **Net \$2 14**

6—224, 227 or 235... 9-56-57or58 2.5 volts @ 10.5 amps.
2—171A... 2-42... 5.0 volts C. T. @ 0.5 amps.
1—280... 1-5Z3... 5.0 volts @ 2.0 amps.
Plate... 600 volts C. T. @ 70 mils.

Stock No. 1478... (Dim. A—2 1/4", B—3 1/4", C—3 1/4")... **List Price \$7.50**
For—10 tubes, 224, 250, 281 **Net \$4 05**

6—224, 227 or 235... 9-56-57or58 2.5 volts @ 10.5 amps.
2—250... 2-10... 7.5 volts C. T. @ 2.5 amps.
2—281... 2-81... 7.5 volts C. T. @ 2.5 amps.
Plate... 1200 volts C. T. @ 150 mils.

Stock No. 1479... (Dim. A—2", B—3", C—3 1/4")... **List Price \$4.00**
For—10 tubes, 226, 227, 171A, 280 **Net \$2 16**

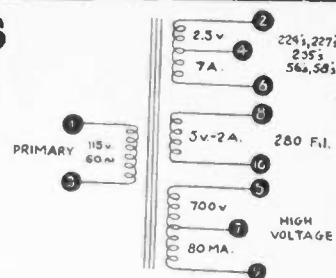
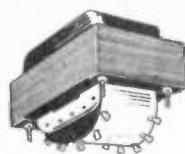
6—226... 1.5 volts @ 6.3 amps.
1—227or 56... 2.5 volts C. T. @ 1.75 amps.
2—171Aor 42... 5.0 volts C. T. @ 0.5 amps.
1—280or 5Z3... 5.0 volts @ 2.0 amps.
Plate... 600 volts C. T. @ 80 mils.

Stock No. 1480... (Dim. A—2 1/4", B—3 1/4", C—3 1/4")... **List Price \$7.50**
For—11 tubes, 226, 227, 250, 281 **Net \$4 05**

6—226... 1.5 volts @ 6.3 amps.
1—227or 56... 2.5 volts C. T. @ 1.75 amps.
2—250or 210... 7.5 volts C. T. @ 2.5 amps.
2—281... 7.5 volts C. T. @ 2.5 amps.
Plate... 1200 volts C. T. @ 150 mils.

Stock No. 1481... (Dim. A—1 1/4", B—2 1/4", C—3 1/4")... **List Price \$4.75**
For—8 tubes, 227, 224, 245, 280 **Net \$4 05**

3—227or 56... 2.5 volts C. T. @ 5.25 amps.
2—224or 57, 58... 2.5 volts C. T. @ 3.5 amps.
2—245or 47, 2A5... 2.5 volts C. T. @ 3.5 amps.
1—280or 5Z3... 5.0 volts @ 2.0 amps.
Plate... 600 volts C. T. @ 85 mils.



Specimen of diagram furnished with each transformer

For 4 Tubes

2-224, 227 or 235 2.5v.- 5A
1-245or247or2A5 2.5v.-C.T.-1.75A
1-280 or 5Z3 5v.- 2A
Plate 700 v., C.T.-40 mils.

For 5 Tubes

3-224, 227 or 235 2.5v.- 5.25A
1-245or247or2A5 2.5v.-C.T.-1.75A
1-280 or 5Z3 5v.- 2A
Plate 700 v., C.T.-50 mils.

For 7 Tubes

4-224, 227 or 235 2.5v.- 7A
2-245 or 247or2A5 2.5v.-C.T.-3A
1-280 or 5Z3 5v.- 2A
Plate 700 v., C.T.-110 mils.

For 9 Tubes

6-224, 227 or 235 2.5v.- 10.5A
2-245 or 247or2A5 2.5v.-C.T.-3A
1-280 or 5Z3 5v.- 2A
Plate 700 v., C.T.-110 mils.

For 12 Tubes

9-224, 227 or 235 2.5v.-15.75A
2-245 or 247or2A5 2.5v.- 3A
1-280 or 5Z3 5v.- 2A
Plate 700v., C.T.-110 mils

Type "P" Net

No. 1550

Price **\$2.00** **\$1 20**
Mounting Centers
2 1/8 x 2 1/8 in.
Overall 2 3/8 x 3 1/4 x
3 1/4 in. high

No. 1551

Price **\$2.50** **\$1 50**
Mounting Centers
2 1/8 x 2 1/8 in.
Overall 2 3/8 x 3 1/4 x
3 1/4 in. high

No. 1460

Price **\$3.50** **\$2 10**
Mounting Centers
2 1/2 x 3 1/8 in.
Overall 3 1/8 x 3 1/4 x
3 1/2 in. high

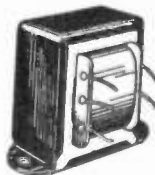
No. 1555

Price **\$4.00** **\$2 40**
Mounting Centers
2 1/8 x 3 1/8 in.
Overall 3 1/8 x 4 1/4 x
3 1/2 in. high

No. 1557

Price **\$4.75** **\$2 55**
Mounting Centers
3 x 3 1/4 in.
Overall 3 1/4 x 4 1/2 x
3 3/4 in. high

INPUT TRANSFORMERS



3 to 1
Stock No.

Single Push
1247 1254

1 EI Audio 3-1

P.P. Input 3-1

NET EA. **98¢**

Universal Output Transformer

Number

1337



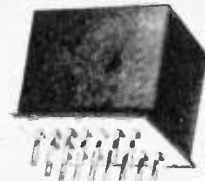
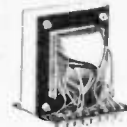
Net **\$ 1 05**

Matches Voice coil to all tubes.

WALTER ASHE RADIO CO.
1100 PINE STREET " " " " ST. LOUIS, MO.



REPLACEMENT EXACT DUPLICATE TRANSFORMERS



MODEL	STANDARD NUMBER	PRICE
ALL AMERICAN MCHAWK		
D & H Lyric	P-1134	3.14
Lyric	P-1404	3.08
S6	P-1410	3.08
40, 51, 52, 55, 56, 60,		
83, 84, 85, 86, 88	P-1443	4.64
90	P-1038	4.53
AREX		
7 (Series)	P-1441	4.55
10 (Series)	P-1018	4.26
25 (Series)	P-1070	2.43
26 Gloritone	P-1402	2.93
26-P Gloritone	P-1388	2.93
32 (Series)	P-1391	3.60
32A, 33	P-1479	4.11
36, 37	P-1430	5.59
ATWATER-KENT		
37, 38	P-718	3.77
55, 56C (Late)	P-913	3.43
55, 56C (Early)	P-914	3.43
60, 60C	P-1066	5.43
66	P-1013	4.39
E-1, E-2, L-1, L-2	P-1068	3.53
70, 73	P-1088	3.53
82, 86	P-1084	3.50
84 (Early & Late)	P-1086	3.58
97, 99, 99P	P-1089	3.87
BEAUMONT (Navigator)		
51	P-413	2.93
51A, 51B	P-597	2.84
41, 47	P-1000	2.49
71	P-557	3.46
BOSCH 23, 25	P-389	4.40
BREMER-TULLY		
41, 52, 58, 1, 382	P-1112	4.34
BRUNSWICK		
2KRO, 3KRO, 5KRO, 3KRO,		
5KRO, 5KR	P-791	4.99
3KRO, 5KRO	P-718	4.45
10	P-1499	2.56
(Chassis D) 13, 12A,		
14, 14A, 15, 19A, 33, 33AP-1136		
14, 21, 31, 32, 314,		
321, 331, 382	P-1112	4.64
CLARION		
AC40	P-1438	4.61
AC61, AC70	P-1429	4.96
AC90, AC90A, AC91	P-1196	3.67
COLUMBIA		
AC5 Knight	P-377	3.52
AC7 Knight	P-381	3.22
598 Knight	P-230	5.87
599 Knight	P-1436	5.28
CROSLLEY		
(Chassis 7314US,		
413, 423, 523	P-1018	4.11
41, 41A, 42,		
7043, 706	P-1472	4.11
EARL		
31, 32, 32S, 41	P-39	4.11
EDISON		
(Unmounted) Chassis,		
RTIC, (Plate) R1, R2,		
C2	P-941	3.66
(Type 8P) R1, R2, C4	P-1143	5.59
ERLA		
71, 74, 75,		
271, 271A	P-1464	4.55
51, 52, 245	P-1446	4.99
254	P-1446	5.43
EVEREADY		
30 (Series)	P-1030	5.28
30C	P-1480	4.11
40 (Series)	P-956	4.40
50 (Series)	P-901	4.40
FREED		
65, 78, 79, 79S, 90, 95	P-693	4.11

FREED-REISMAN		
NR 55	P-1471	4.40
NR 85	P-1101	4.99
FRESHMAN		
Q15, Q16, 3Q15, 3Q16	P-910	4.70
QD168	P-919	4.70
41, 47	P-1000	2.49
51	P-453	2.93
51A, 51B	P-597	2.64
GENERAL ELECTRIC		
H31, 51, 71	P-713	4.90
T41	P-927	4.31
K62	P-1474	4.70
322, 322X, 342	P-1481	4.40
322A	P-1482	4.11
360, 365, 3132	P-1483	4.05
370, 375	P-1487	3.05
GENERAL MOTORS		
39A	P-1471	3.40
110 Light General	P-1485	3.37
GRAYBAR		
388	P-1481	4.40
388A	P-1482	4.11
389	P-1474	4.69
3831C-311	P-791	4.99
3834C	P-716	4.55
3850C, 5.0	P-714	4.64
3850C	P-803	4.40
3857C	P-927	4.31
3870C, 770, 900	P-713	5.19
3898, 3014, 078	P-1483	4.05
377, 3013	P-1487	3.05
GREBE		
AC6, AC7	P-1475	4.11
H34	P-1476	3.52
H34 Models 1 & 2	P-1477	3.52
KENDY 10, 20	P-732	4.69
KOLSTER BRANDES		
K20, 22, 25, 27, 37	P-1190	4.84
K24, K36	P-1191	5.87
K43	P-1192	5.28
B15, B16	P-1193	5.58
KOLSTER-COLUMBIA		
950	P-1194	6.61
961	P-1437	6.31
MAESTRO		
15A (Unmtd.)	P-906	2.17
21, 22, 23 (Unmtd.)	P-954	3.40
130, 131, 132, 233	P-1102	4.70
25, 26B (Unmtd.)	P-1168	3.22
50 (Unmtd.)	P-905	3.05
70, 7P6 (Plate)	P-790	2.35
70, 7P6 (Filament)	P-798	2.35
70, 7BP6 (Plate)	P-1486	2.35
90B, 100B	P-939	4.11
90, 9P6	P-757	3.64
180, 8P6 (Filament)	P-805	2.52
180, 8P6 (Plate)	P-783	3.40
PHILCO		
50B--Gen. Ex. Dup.		2.20
80		1.75
89A		2.20
57C		1.75
81		1.75
20, 220	P-742	3.82
65	P-711	4.49
75, 77	P-785	4.49
50, 51, 52, 551	P-1460	2.63
85	P-786	4.49
87	P-743	4.31
90, 490 (Using 1, 47) P-1464		3.66
90 (Using 2 45 Tube) P-1463		4.37
59, 96 296	P-787	4.20
111, 211	P-788	4.20
112, 212 (For -45's)	P-786	4.40
112, 212 (For -47's)	P-832	4.49
511	P-784	4.20
70, 370, 370, 470, 570	P-1119	3.82

RCA RADIOLA		
17, 18, 33, 50, 51	P-791	4.59
42, 48	P-927	4.51
44, 46, 47	P-714	4.64
60, 62	P-715	4.55
54, 67	P-827	13.22
65	P-863	4.40
80, 82, 86	P-713	4.90
Superette	P-1481	4.40
AP736 Power Amp.	P-1473	10.13
AP736-B Power Amp.	P-1430	9.54
AP777-G Power Amp.	P-827	13.22
RCA VICTOR		
7-11, 7-25	P-791	4.99
9-18, 9-54	P-827	13.22
R4, R6	P-1487	3.05
R7, R9	P-1481	4.40
R7A	P-1488	4.11
R8, R10, R12, REL9,		
RG23-Longwave	P-1463	4.05
R11, R21, REL8, REL6A	P-1474	4.70
R14, R15, REL7	P-927	4.31
R32, R52, R64, REL5	P-717	4.39
R36, R39, REL7, P-718	P-716	4.70
9-15 Power Amp.	P-1430	9.54
SILVER-MARSHALL		
750 (Sheridan)	P-1275	2.43
D, E, & F	P-1439	4.70
Q DeLuxe	P-1487	4.73
SCHORA		
2RE25, 3R, 4R, A30		
A32, A40,	P-1380	5.23
A31, A33, A36,	P-1422	4.70
SPARTAN		
AC7, 62, 63	P-1373	3.77
25, 26, 26AW, 30, 45	P-1204	4.70
89A	P-921	4.37
101, 110, 111, 111A, 870P-1412		6.02
103, 301A, 578, 740, 750P-1372		6.02
109, 99DeLuxe Ensemble-1411		5.28
301	P-1372	6.02
410, 420	P-119	4.70
589	P-904	4.70
591, 593, 931	P-644	4.70
STIRNITE		
40, 40A, 45A, 50, 102	P-925	5.87
400, 410, 500, 1020	P-1193	5.77
STEWART-WARNER		
801, 801A, 802 A&B	P-1100	4.36
901, 902, 903, 951		
952, 953, 1100A	P-1470	3.81
STROMBERG-CARLSON		
10, 11	P-1204	5.50
641, 542, 652, 654	P-834	5.14
846, 848	P-1033	5.18
SENTINEL (See United Air Cleaner)		
SILVERTONE (See United Air Cleaner)		
TEMPLE		
8-60, 8-60, 8-90,		
8-61, 8-61, 8-91	P-219	3.77
TRAVELER		
"B"	P-130	5.73
"C"	P-187	2.73
UNITED AIR CLEANER		
104 (Sentinel)	P-1204	4.92
108, 108B, 108A, 110	P-484	2.81
WESTINGHOUSE		
WR4,	P-927	4.31
WR-6-6-7-8, 6R, 7R, 8R, P-713		4.70
WR10, WR12	P-1487	4.40
WR10A	P-1487	4.40
WR15	P-1474	4.70
ZENITH		
10, 11, 12 (Super)	P-851	4.70
50, 60, 70,	P-712	4.70

YOUR ATTENTION PLEASE.

Special Rewinding Service

UNDOUBTEDLY THERE ARE TYPES OF TRANSFORMERS WHICH CANNOT BE DUPLICATED AND FOR THIS REASON WE ARE OFFERING YOU THE OPPORTUNITY OF GETTING THE EXACT REPLACEMENT BY HAVING THE OLD UNIT REMOUNTED SO AS TO FIT JUST WHERE IT CAME FROM. WE WILL BE MORE THAN PLEASED TO QUOTE YOU THE BEST PRICE ON REMOUNTED TRANSFORMERS. JUST SEND US THE MODEL NUMBER OF THE SET FROM WHICH IT CAME AND LET US KNOW WHETHER IT IS CATED IN STOCK OR NOT.

WALTER ASHE RADIO CO.
1100 PINE STREET " " " " ST. LOUIS, MO.

MICA

CONDENSERS

PAPER

ELECTROLYTIC

Service men and Dealers know that all licensed Electroletic Condenser Manufacturers will sell large users their best condensers less their trade mark at an extra discount. We believe our customers are intelligent enough to read between these lines and save money??

CARDBOARD CONTAINER CONDENSERS

—525 Volts D.C. Surge— 450 Volts D.C. Working



Cap. Mfds.	List Price	Your cost
2	\$.65	\$.36
4	.75	.42
6	.90	.50
8	.95	.54
4-4	1.20	.68
4-8	1.35	.75
8-8	1.50	.83

Round Aluminum Can Dry Electrolytic Type

Screw Terminals fitted with soldering lugs mounted in a 3/4 inch hole



CAP.	NET.
8	.60
8-8	1.03
8-8-8	1.54
9-9-18	2.14
8-8-8-8	2.06
9-9-18-18	3.00



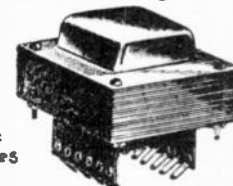
200 VOLT	
MFD. NET	
.5	.22
400 VOLT	
1.	.32
2.	.52

CARTRIDGE CONDENSERS

400 VOLT	
.01	.09
.02	.09
.05	.09
.1	.12
.25	.15
.5	.21
1.	.30



Midget Set Replacement



Will Handle 5 Tubes

Mounting Dimensions: 2 1/4" x 2 1/4"

For: 3-24, 27, 35, 56, 57, 58, 1-45, 47 or 2A5 and 1-80.

Primary: 110 volts, 60-60 cycles.

Secondaries:

(1) 700 volts C.T. 50 M.A. (plate)
(2) 5 volts 2 amps. (1-80 filament)
(3) 2.5 volts C.T. 7 amps. (two or three heaters and one power tube).

Your Cost **98¢**

SANGAMO

.00005	.24
.0001	.24
.00015	.24
.0002	.24
.00025	.24
.0005	.24
.001	.30
.0015	.30
.002	.30
.003	.36
.004	.36
.005	.42
.006	.51
.008	.60
.01	.69
.012	.72
.015	.75



Mica Condensers



Resistor Clips--Pr. .06

.00005	.09
.0001	.09
.00015	.12
.0002	.12
.00025	.12
.0005	.12
.001	.15
.0015	.18
.002	.21
.003	.24
.004	.24



"SOLAR" MIDGET MICA

ATWATER KENT SPEAKER FILTER CONDENSER

Speaker Bypass condenser. Models 37, 38, 40, 42, 44, 46

NET

57¢



FEED THRU STANDOFF INSULATOR

The most handy insulator ever produced. Brass, nickel plated hardware Brown color same as Beehive and other standoff insulators used.



* 478- 7/8" high, 1/2 screws, 1/4" hole for mounting ----- NET 12¢

* 4125-1 1/4" high same as

* 478 ----- NET 15¢

* 478J- 7/8" high, has G.R. jack instead of Screws ----- NET 15¢

* 4125J-1 1/4" high, same as * 478J ----- NET 18¢

WALTER ASHE RADIO CO.

1100 PINE STREET * * * * ST. LOUIS, MO.



INVERTED UNITS—SCREW TYPE

Continuous Working Voltage—475 Volts
Maximum Surge Voltage—600 Volts



Cat. No.	Capacity Mfd.	List Price	Your Price
SC-4	4	\$1.25	\$.75
SC-6	6	1.45	.87
SC-8	8	1.50	.90

MULTIPLE UNITS

Continuous Working Voltage—475 Volts
Maximum Surge Voltage—600 Volts

Cat. No.	Capacity Mfd.	List Price	Your Price
AC-88	8 8	\$2.40	\$1.44
AC-888	8 8 8	4.00	2.40
AC-515	5 15	4.35	2.60
AC-9918	9 9 18	5.80	3.48
AC-9936	9 9 18-18	8.15	4.89
AC-8888	8 8 8 8	5.35	3.21



TUBULAR CONDENSERS

Cartridge By-Pass Type

HIGH VOLTAGE—600 VOLTS

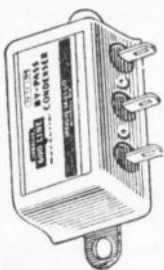


Cat. No.	Capacity Mfd.	List Price	Your Price
TC-31	.0001	\$.25	\$.15
TC-325	.00025	.25	.15
TC-34	.0004	.25	.15
TC-35	.0005	.25	.15
TC-21	.001	.25	.15
TC-22	.002	.25	.15
TC-23	.003	.25	.15
TC-24	.004	.25	.15
TC-25	.005	.25	.15
TC-26	.006	.25	.15
TC-11	.01	.25	.18
TC-12	.02	.30	.19
TC-15	.05	.30	.21
TC-16	.06	.35	.21
TC-1	.1	.35	.27
TC-2	.25	.45	.36
TC-5	5	.60	

BY-PASS CONDENSERS

Bathtub Type

HIGH VOLTAGE—600 VOLTS



Cat. No.	Capacity Mfd.	List Price	Your Price
BP-1	1	\$.50	\$.30
BP-25	25	.60	.36
BP-50	5	.75	.45
BP-10	1.0	1.00	.60
BP-21	1-1	.65	.39
BP-225	25-25	.80	.48
BP-250	5-5	1.00	.60
BP-31	1-1-1	.85	.51



INDIVIDUAL EMERGENCY UNITS



Continuous Working Voltage—475 Volts
Maximum Surge Voltage—600 Volts

Cat. No.	Capacity Mfd.	Dimensions	List Price	Net
EC-50	5	2 1/8 x 1 x 2 1/8	\$.79	\$.47
EC-75	75	2 1/8 x 1 1/8 x 2 1/8	.83	.50
EC-1	1	2 1/8 x 1 1/8 x 2 1/8	.86	.51
EC-2	2	2 1/8 x 1 1/8 x 2 1/8	.94	.57
EC-4	4	2 1/8 x 1 1/8 x 2 1/8	1.13	.68
EC-6	6	2 1/8 x 1 1/8 x 2 1/8	1.31	.79
EC-8	8	2 1/8 x 1 1/8 x 2 1/8	1.35	.81

CARDBOARD TYPE

Continuous Working Voltage—475 Volts
Maximum Surge Voltage—600 Volts



Cat. No.	Capacity Mfd.	List Price	Your Price
DC-2	2	\$.95	\$.57
DC-4	4	1.15	.69
DC-6	6	1.30	.78
DC-8	8	1.35	.81
DC-24	2-4	1.65	.99
DC-44	4-4	1.80	1.08
DC-46	4-6	1.95	1.17
DC-48	4-8	2.00	1.20
DC-66	6-6	2.15	1.29
DC-68	6-8	2.20	1.32
DC-88	8-8	2.20	1.32

HIGH CAPACITY—LOW VOLTAGE

Cardboard Type

ELECTROLYTICS

Cat. No.	D.C. Voltage	Capacity Mfd.	List Price	Your Price
HC-10	25	10	\$.60	\$.36
HC-510	50	10	.80	.48
HC-25	25	25	.85	.51
HC-525	50	25	1.10	.66
HC-44	150	4-4	1.05	.63
HC-55	50	5-5	.85	.51

AUTO-RADIO CONDENSERS

TEST VOLTAGE—600 VOLTS
WORKING VOLTAGE—400 VOLTS

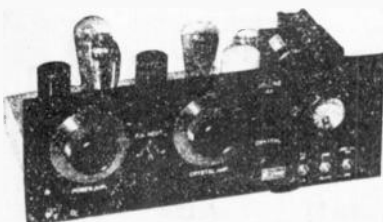


Cat. No.	Capacity Mfd.	List Price
AR-1	1.0	.80

Net \$.48

COLLINS 4A C.W. TRANSMITTER

25 Watts Output—Crystal Controlled



Uses a 47 crystal oscillator and parallel 46's in the power amplifier, permitting an output of 25 watts on 1.7, 3.5 or 7 m.c. The power amplifier is operated on the crystal frequency in each case. Despite its low cost, the 4A embodies the mechanical and electrical refinements found in the larger Collins transmitters.

A separate power supply is used for the oscillator to reduce frequency "chirp". Two bakelite coils (1 set) are furnished with this transmitter for any band specified. Extra set of coils for the other bands, \$3.00 per set.

A single Weston meter is provided with a switching arrangement to read plate and grid currents.

4A transmitter is ideal for an amateur who wants to start out with a minimum investment and yet have a transmitter which will deliver a high quality C.W. signal. Can also serve as a stand-by transmitter in a high powered station to be used when full power is not required.

Has two power supplies, using an 80 rectifier for the crystal oscillator and an 83 for the power amplifier. Operates from 110 to 120 volts, 50 or 60 cycle A.C.

Stock No. TR-59—
Less tubes and crystal \$56.00

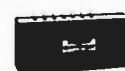
MOUNTED CRYSTAL CAN BE SUPPLIED FOR ANY SPECIFIED FREQUENCY. \$7.50

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.



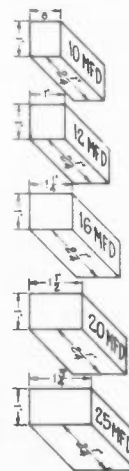
Potter Condenser Replacements



SET AND MODEL	CODE NO.	NET	FADA		SILVER MARSHALL	
APEX 36	4387	\$3.70	16-1473MS	5554 5.10	30 Wilter	SM30F 5.70
" 37	4322	2.85	25-1780X	5961 3.75	30 Bypass (3316)	4601 .66
" 41	733	2.25	35-357 1790X	7425 4.30	37	6258B 3.90
" 46-46A	975	2.25	25-35 Late-1801X	7424 3.75	Sheridan	4632 2.40
" 47-47A	975	2.25	42-44-46-47 1830X	7414 3.75	726	6260B 1.80
" 48-48A	5773	2.25	50-70-71-72-75-77-1492MS	1492MS 4.55	726 Bypass (3316)	4601 .66
ATWATER KENT					72 Bypass (13140)	5916 1.15
37-38 COND. AND CHOKE	5100	3.50	JACKSON BELL		SPARTON	
37-38 COND. ONLY	8247	1.75	Midset 62	6235B 2.70	AC5	AC5 4.10
40-42-52-56 COND. ONLY	8248	1.95	KENNEDY		AC6	AC6 7.60
43-46-47-53 "	5824	3.50	22-36-38-40 D.C.	5133 4.20	AC7-AC62-AC63	AC62 4.50
55-55C-60-60C Cond. Only	5796	3.50	22-36 A.C.	4606B 3.60	AC69-79-89	AC79 4.75
66 COND. ONLY	7859	4.80	22-36 A.C. Bypass Assem.		88	AC88 6.00
PRIMER TULLY			14 Terminals	7211 2.55	89A	AC89A 10.10
8-20A 8-21A	7362	7.75	MAJESTIC		109	5193 7.25
640-641	7383	4.80	70 Series 7BP6	7P6 3.25	AC110	AC110 7.60
770-771	7746	5.40	80 Series 8BP6	8P6 4.75	301	7365 6.25
BRUNSWICK			90 Series 9BP6	9P6 4.75	930	7290 4.50
S14-S21-S31	5706	5.40	90B-100B	MJ90B 4.50	410 Jr.	6544B 3.25
CLARION			50	7378 3.50	STEINITE	
51-53-55	7504	9.00	21-22-23	7546 6.00	12	5371 4.25
60	7495	9.00	OTARKA		40 P.P.	5453 4.80
COLUMBIA			90	5865 5.60	70-80-95	5376 6.00
S.8.8	7382	4.75	PHILCO		261-262 3 Mfd.	4297 3.30
A.C. 29	5654	4.75	76-77	5769 3.60	261-262 2 "	4298 2.25
DAYFAN			86	7493 5.10	23 Chassis	6598B 2.25
5091	7302	3.60	87	7237 5.00	26 "	6599B 2.40
A5005	A5005	5.45	531	5759 4.75	990 "	5207 5.10
ECHOPHONE			R.C.A. RADIOLA		VICTOR	
S-3	5483	2.55	17-50	7406 7.20	9-18 9-54 W6	7423 15.00
S-4	5612	2.75	30A WS3780	5929 7.00	9-18 9-54 Bypass	5788 1.75
M-60	6557B	2.25	30A WS3781	5928 6.75	R32-R45-R52	5782 7.20
39	6942B	.83	18-33-51 Bypass	5788 1.65	ZENITH	
38	6910B	1.56	41 3 Term. 4 Lead	7056 5.40	ZE 17 Power Supply	22-49 4.50
EVEREADY			9-18 W555	7463 15.00	10-30 "	22-40 3.25
30-40-50 Series	5828	5.10	80-82-86	7320 7.20	8	22-52 5.60
52	5659	5.10	105	5649 15.00	8	22-56 5.50
			104 Speaker (5345)	4396 3.90	9	22-54 6.00
					6	22-17 7.50
					11-12-40	22-41 5.50
					18	7346 5.00
					7	4018 7.50
					4	22-16 7.00

HERE YOU ARE AT LAST BOYS! ALL THOSE HARD TO GET
SPECIALS FOR A.C.-D.C. SETS. JUST LOOK AT THESE
PRICES. THEY'RE RIGHT.

NUMBER	TERMINALS	CAPACITY	VOLTAGE	NET
DC738	NEG. COMM.	10-10	175	.75
DC742	POS. COMM.	12-7	175	.75
DC744	NEG. COMM.	12-8	175	.75
DC750	NEG. COMM.	16-8	175	.81
DC752	POS. COMM.	16-8	220	.87
DC754	NEG. COMM.	16-16	175	.99
DC760	NEG. COMM.	25-5	175	.84
DC766	SEPARATE	16-16-8	175	1.53
DC782	NEG. COMM.	10-10	35	.45
DC784	CROSLEY PART NO. W27488	8 Mf. 25 V.		.57
		6 Mf. 300 V.		.45
DC786	CROSLEY PART NO. W24779	8	175	.51
DC794	R.C.A.-G.E. MIDGET	4-4	175	.51
DC796	INTERNATIONAL KADETTE	4-4	175	.51
RS10		10	220	.54
RS12		12	220	.57
RS16		16	220	.63
RS20		20	220	.72
RS25		25	220	.75



KPG High impedance pickup to 1 grid 1.53
RSMG Single button microphone to 1 grid 1.83
KMG Double button microphone to 1 grid 1.53

STANCOR FILTER CHOKES
(CHOKE 10 Henries) 80MA C-1002 \$.45
(for 245 tubes) 112, 113A, 212, 212A
(pushpull audio input) A-104-C-F
(CHOKE 10 Henries) 110MA C-1002 \$.87
(for 245 tubes) 112, 113A, 212, 212A
(pushpull audio input) A-104-C-F
(CHOKE 10 Henries) 110MA C-1001 \$1.00
(for 245 tubes) 112, 113A, 212, 212A
(pushpull audio input) A-104-C-F
(CHOKE 10 Henries) 110MA C-1102 .75
(for 245 tubes) 112, 113A, 212, 212A
(pushpull audio input) A-104-C-F

EXACT REPLACEMENT AUDIOS

PHILCO 42, 45, 92, 96, 98, 99A, 111, 111A, 211, 211A, 296A (pushpull audio input) A-104-C-F \$2.25
(for 245 tubes) 112, 113A, 212, 212A
(pushpull audio input) A-104-C-F
22, 40, 41, 42, 73, 76, 77, 77A, 82, 81, 86, 87
(pushpull input) A-72-C-F 1.89
44, 87, Transistors 2 (1st Audio) A-74-C-F 1.77
(pushpull input) 20, 20A, 21, 220, 220A
(pushpull input) 20, 20A, 21, 220, 220A
(pushpull output) A-216-P 1.44
(for 245 tubes) 90, 90A, 112, 112A, 212, 212A (pp output) A-216-P 1.44
(Output) Transistors 2 A-220-P 1.44
18, 18A, 40, 41, 42, 44, 45, 46, 73, 76, 77, 77A, 82, 87, 92, 93, 94, 95A, 111, 111A, 112, 112A, 211, 211A, 212, 212A, 296, 296A
(1st position choke) C-1075-P 1.65
(Choke) 20, 42, 44 C-1104-P 2.16
(2nd position choke)

CLARION P.P. INPUT
A.C. 60 #2132 \$2.82
A.C. 61 #2133 2.94
A.C. 25-61 #2133 2.94

WALTER ASHE RADIO CO.
1100 PINE STREET " " " " ST. LOUIS, MO.



NARROW RIM PANEL TYPE

Mounting Hole 2 5/64"

D.C. VOLTMETERS

No.		
603	0-1 volts 175 ohms	\$.59
605	0-5 volts 410 ohms	.59
326	0-6 volts 550 ohms	.59
335	0-8 volts 850 ohms	.59
310	0-10 volts 1475 ohms	.59
316	0-15 volts 2914 ohms	.59
333	3-0.3 volts 550 ohms	.59
607	0-25 volts 1625 ohms	.59
337	0-50 volts 3250 ohms	.59
337-H	0-50 volts 15440 ohms	1.91
339	0-100 volts 6500 ohms	1.08
342	0-150 volts 9750 ohms	1.03
346-P	0-300 volts 92640 ohms	1.91
347-P	0-500 volts 154400 ohms	2.65
246-P	0-60-300 volts 92640 ohms	2.65
609	0-750 volts 231600 ohms	3.22

D.C. AMMETERS

336	0-3 amperes	.59
381	0-5 amperes	\$.59
338	0-10 amperes	.59
303	3-0.3 amperes	.59
606	6-0-6 amperes	.59
110	10-0-10 amperes	.59
220	20-0-20 amperes	.59

D.C. MILLIAMMETERS

305	0-5 2160 ohms	\$.132
311	0-10 700 ohms	1.18
315	0-15 295 ohms	.59
325	0-25 85 ohms	.55
350	0-50 20 ohms	.59
390	0-100 5.5 ohms	.59
391	0-150 3.3 ohms	.59
392	0-200 1.9 ohms	.59
399	0-300 .8 ohms	.59
394	0-400 .5 ohms	.59
395	0-20-0-100 175/30 ohms	1.18
402	0-15-150 305/24 ohms	1.18

A.C. VOLTMETERS

314	0-4 volts	\$.162
353	0-6 volts	1.62
352	0-10 volts	1.62
351	0-15 volts	1.62
348-P	0-150 volts	2.65
349-P	0-300 volts	3.22
247-P	0-600 volts	3.81
249	0-750 volts	4.56
355-P	0-10-140 volts	2.65

A.C. AMMETERS

361	0-3 amps.	\$.162
362	0-5 amps.	1.62
363	0-10 amps.	1.62

A.C. MILLIAMMETERS

370	0-25 milliamps.	\$.162
371	0-50 milliamps.	1.62
372	0-100 milliamps.	1.62
373	0-250 milliamps.	1.62
374	0-500 milliamps.	1.62

Readrite

RESISTANCE METER MODEL 501



No. 501. Resistance meter as used in No. 500 ohmmeter. Furnished either with wide flange as shown or narrow rim type for rear clamping. A thoroughly reliable instrument at a popular price. Requires three small flashlight cells, which with resistance to be measured are connected in series with meter. Used for testing resistances in radio receiving sets, and circuits generally. Fine for continuity tests. **\$1.62**

No. 503—Resistor, 1150 ohms with jack terminals for use with 22.5 volt battery to increase reading of No. 500 ohmmeter to 60,000 ohms. **\$1.03**

Same without jack terminals for 501 meter. **59c**

No. 504—Resistor, 2300 ohms, center tapped, for use with 45 v. battery to increase reading of No. 500 and No. 502 ohmmeters to 100,000 ohms, with tip jacks. **\$1.32**

TYPE H FLANGE



Used to convert Readrite Model 58 meters to wide flange type. Black 3 hole rim mounting holds meter to panel without back support. Flange diam. 2 1/2 in.

NET **9c**

DIRECT READING OHMMETER

Complete with a small 3-cell flashlight battery; current drain negligible. Tests resistances up to 10,000 ohms. Model 502 has a second scale to test low resistances to 40 ohms, in addition to 10,000 ohms. Voice coils of dynamic speakers and shorted turns of i. f. transformers are tested best on the low range. Knob adjusts the needle to full scale. Wire leads are furnished for continuity tests. Case is baked enamel finish, seamless steel, 4" dia. Weight one pound. No. 500—0-10,000 ohms **\$3.81**

No. 502—0-10,000 and 0-40 ohms **\$4.56**



OUTPUT A. C. VOLTMETERS



A reliable instrument for indicating output voltage of a radio set. Used for lining up r.f. and i.f. stages by determining maximum gain. Also comparing gain of tubes, r.f. tuner selectivity, hum, and fading. A practical, low priced d.c. voltmeter with copper-oxide rectifier of the full wave type.

Model No. 555 is same assembly as used on No. 550 oscillator. For convenience the portable instrument Model No. 575 has been designed. Test leads are furnished with Model No. 575. Case is baked enamel over seamless steel 4 1/2" dia. The assembly includes voltmeter, rectifier, jacks and condenser. Connect low voltage (0-5) jacks to dynamic speaker voice coil, and high voltage (0-50) jacks to magnetic speaker terminals.

CASE TYPE 10. 575 **\$4.85**

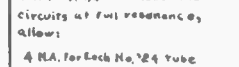
PANEL TYPE No. 555 **\$4.26**

Exactly same assembly as described above with exception that it is mounted on panel. This instrument is the same output meter as used with 550 oscillator. No test leads included.



PROPER CIRCUITS FOR TUNING METERS

-0-



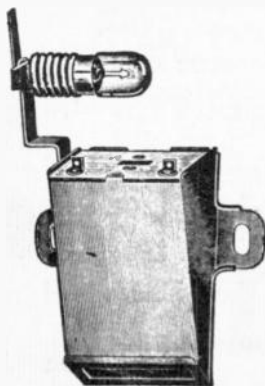
RESONANCE TUNING METERS

Supplied 0-5; 0-7; 0-10; 0-15 M.A.
Please specify desired range

List Price.....\$1.50
NET.....\$.88

ESCUTCHEONS

List Price.....\$.30
NET.....\$.18



TM-120



TM-103



TM-108



Escutcheon

Refer to above diagrams for best results.

WRITE FOR FREE, COMPLETE, CATALOG

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

Belden Radio Products



Belden Battery Cable

No. 8855 100 ft. spool, 5 Conductor... PER FOOT .06
No. 8857 100 ft. spool, 7 Conductor... PER FOOT .07



Belden Auto Radio Shielded Lead-in Wire

For auto radio installations. Also may be used for connecting Short Wave Converters. Jute fillers are wrapped around conductor and shielding overall produces very efficient wire for auto radio use.
No. 8876 100 feet No. 18 Shielded PER FOOT .06



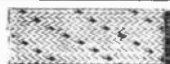
Belden Hookup Wire— PER ROLL .18

No. 8880 25-ft. No. 18 Stranded Tinned Copper Wire, insulated with 1/64" Colorrubber, (natural green, blue, red, brown or yellow). any color, per carton



Belden Aerial Wire

No. 8821 100 ft. 7x22 Beldenamel PER ROLL .48
each in carton



Belden Auto Radio Shielding

For making automobile radio installations. Tinned copper shielding furnished on 50-ft. spools.

No. 8930 50 feet, 13 64" Inside Diameter PER FOOT .03
No. 8931 50 feet, 3 8" Inside Diameter PER FOOT .05
No. 8932 50 feet, 25 32" Inside Diameter PER FOOT .08



"Belden" AIRMAN A NEW CHAMBRIC COVERED SHIELDED SINGLE CONDUCTOR CABLE ESPECIALLY DESIGNED FOR AIRPLANE AND AUTOMOTIVE RADIO INSTALLATIONS.
NET PER FOOT --- .03



Belden
Lead-in
and
Ground
Wire

500' ROLL #18 R.C. FOR LEAD-IN AND HOOK-UP
NET PER ROLL --- \$1.95

1000' ROLL #20 R.C. FOR LEAD-IN AND HOOK-UP
NET PER ROLL --- \$2.75

HEAVY #14 RUBBER COVERED WIRE FOR FILAMENTS
NET PER FOOT --- .02

PUSH-BAK HOOK-UP WIRE - RED AND GREEN COVER
STRANDED #18, NET PER ROLL OF 25' .18
SOLID #18, NET PER ROLL OF 25' .20



MAGNET WIRE
Prices Per Spool

suitable for all radio work

#	P.E.		
	1 LB.	1 LB.	1 LB.
#16			.38
18			.39
20	.15	.24	
22	.15	.24	
24	.15	.26	
26	.16	.28	
28	.19	.33	
30	.21	.38	
32	.24	.40	
34	.26	.44	
36	.31	.54	
D.C.C.			
#16			.48
18			.49
20	.16	.30	
22	.20	.33	
24	.25	.39	
26	.27	.50	
28	.33	.63	
30	.43	.79	
32	.52	.90	
34	.60	1.03	
36	.67	1.20	

HEAVY STRANDED FILAMENT

WIRE, EQUAL TO #10.

NET PER FOOT --- .03

"SUPREMACY"

8 WIRE ANALYZER CABLE

VERY FLEXIBLE.

NET PER FOOT .08

WIRE

SHIELDED CABLES

#	NET
1 WIRE	.03
2 "	.04
3 "	.07
4 "	.07
5 "	.09

"Spaghetti" Tubing

50 inch length. The "Spaghetti" tubing is made of high grade synthetic rubber impregnated with a non-toxic solvent. It is used for protecting wires and cables from mechanical damage and corrosion.

PER LENGTH, NET .06



BUSES RADIO FUSES

Ampere	Net
1	.04
1 1/2	.04
2	.04
3	.04

Master Rosin Core Solder



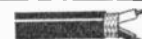
Requires no flux as rosin core is built into the wire. Solder is made from virgin metals, there is no sputtering. Connections are quickly and easily made without the use of any flux. If a radio work—Use Kester Rosin Core.

NET .18



SOLID P.E. ENAMEL
AERIAL WIRE.

	NET
100' #14	.45
200' #14	.83
100' #12	.66
200' #12	1.27
100' #10	1.25
200' #10	2.50



"TAMP CORD"

STANDARD, THREE TWISTED

NET PER FOOT --- .02

WEATHER PROOF, IDEAL FOR

SHORT WAVE TRANSPOSED

LEAD-INS.

NET PER FOOT --- .03

Tinned Buss Wire



#12
NET PER LENGTH --- .0214

#14
NET PER LENGTH --- .0214



"QUICKUP" AERIAL TAPE

FOR HOME AND AUTO.

STICKS TO ANYTHING.

NET PER ROLL --- .36

MAJESTIC DIAL CABLES

NET EACH .22

LOTS OF SIX E. .17



Friction
Tape
The best quality tape with plenty of live friction rubber. Equally well suited to Radio, automobile, electrical or household use. Kept fresh by wrapping of the roll.
— 50 ft. roll.
Your Cost Each --- .20



I.C.A. KNIFE SWITCHES Genuine Bakelite Base

Type	Net
SPST	.30
SPDT	.36
DPST	.42
DPDT	.48



KESTER

KESTER ROSIN CORE

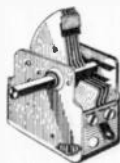
Kester rosin core solder is the standard used throughout the radio industry. Rosin is the only flux that will not corrode and cause noisy joints to develop. All Kester solder is made from virgin metals, there is no sputtering. Connections are quickly and easily made without the use of any flux. If a radio work—Use Kester Rosin Core.
Per 1 lb. spool NET .61

Condensers ~ Adapters ~ Neutralizing-tools &

Bud Precision Tuning Condensers

SINGLE GANG.

TYPE	CAPACITY	NET
1047	50 Mmfd.	\$.69
1048	100 "	.69
968	150 "	.75
1043	350 "	.90

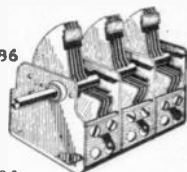


TWO GANG

971	150 Mmfd.	\$1.26
969	350 "	1.35

THREE GANG

970	350 Mmfd.	\$1.86
-----	-----------	--------



SUPERHET TRACKING CONDENSERS -- 175 K.C.

972	THREE GANG 350 Mmfd.	\$1.86
858	FOUR GANG 350 Mmfd.	2.55

BAKELITE FOUR, FIVE, SIX AND SEVEN PRONG PLUGS



No. 288-4 Prong Plug	Net \$.21	No. 290-4 Prong Plug	Net \$.15
No. 289-5 Prong Plug	Net \$.24	No. 291-5 Prong Plug	Net \$.13
No. 309-6 Prong Plug	Net \$.27	No. 308-6 Prong Plug	Net \$.21
No. 313-7 Prong Plug	Net \$.29	No. 314-7 Prong Plug	Net \$.24

BUD CABLE PLUGS



Standard female speaker plugs, bakelite receptacle. Fits standard male plugs.	
No. 404 - 4 Prong Cable Socket	Net \$.24
No. 405 - 5 Prong Cable Socket	Net \$.27
No. 407 - 6 Prong Cable Socket	Net \$.30

TEST LEADS



No. 1841
Test Lead has long sharp needle point. This Test Lead is similar to No. 184 only that point is not removable.
Supplied with either SPADE or PHONE TIP TERMINALS.
Length of Wires 42"

Price \$.50
Net \$.29



No. 184
Test Leads enable the testing of a circuit without having to remove the insulation from the wire. The sharp needle point which is inserted into the chuck enables the serviceman to penetrate the insulation on wires without incurring the insulation. Supplied with either spade or phone tip terminals. Length of wires 42". Shipping Weight of 25-3 1/2 lbs.

Price \$.75
Net \$.40

BUD TUBE SHIELD

For Screen Grid or 27 type tubes Perforated in top for air circulation and made of excellent grade of drawn aluminum. Highly polished. Size 4 1/2" high, 2 1/2" in diameter. Supplied with Base.

No. 292 Price \$.20 Net \$.12

NEW TUBE SHIELD

For New Type Tubes. Made of excellent grade of Drawn Aluminum highly polished.

No. 392 Price \$.25 Net \$.15

ALUMINUM COIL SHIELD

No. 291 Price \$.25 Net \$.15



No. 149
Bakelite Knob with arrow pointer.
Price \$.10
Net \$.06



No. 141
Pressed Wood Knob with match knobs on G.E., R.C.A., Westinghouse
Price \$.20
Net \$.12

RADIO FREQUENCY CHOKE



UNSHIELDED

No.	M.H.	Net
115	80	\$.54
221	30	.54
275	2.5	.45
277	3.4	.54
135	60	.54
257	5.5	.45
276	10	.45

SHIELDED

275 S	2.5	.45
274 S	3.5	.45
276 S	5.5	.45
275 S	10	.45
271 S	30	.60
272 S	60	.60
270 S	80	.60

BUD ACE LIGHTNING ARRESTER



No. 202
BUD ACE
LIGHTNING ARRESTER
Price \$.12

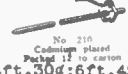


No. 215
CRYSTAL POLARIZED GLASS INSULATORS
Shipping Wt. 100 17 lbs.
Price \$.06

Fahnestock Clips



No. 5
NET \$.02



No. 216
Cadmium plated
Packed 12 to carton
4ft. 30g; 6ft. 45g
BUD STRAP
GROUND CLAMP
No. 204
Shipping Weight
100-6 lbs.
Price \$.04

BUD ANTENNA ELIMINATOR and SELECTOR



No. 100
Price \$1.50
Net \$.88



No. 207
Bud Soldered Lead-in
Fabric "Weather-proof
Covered"
Price \$.04

No. 209
Bud Stayput Lead-in
Fabric "Weather-proof
Covered"
Price \$.04

ADAPTERS

BUD OUTPUT ADAPTER



No. 117
Designed so that both grid and plate connections can be taken from tube enabling the connecting of additional speakers and also the use of a Tone Control or Bud Radio Silencer.
Price \$.75 Per Pair
Net \$.44

PENTODE OUTPUT ADAPTER



No. 199 Pentode Output Adapter designed so that additional speakers can be connected to Radio Set that has only one Pentode Tube. Wire Lead. 42" long and have phone tips soldered to ends. Packed one (1) to a box.
Price \$.50
Net \$.29

UNIVERSAL ADAPTER



This new Universal Adapter will supply phono, detector, cathode etc. as desired. Serviceman can read by use this adapter for any required purpose by connecting or soldering to desired groups. Prongs not required can easily be removed by hand or left in the adapter without harm. Efficient and practical for all service work.
No. 3027 4 prong
No. 3028 5 prong
No. 3029 6 prong
No. 3030 7 prong
NET \$.15 ea.

6 PRONG PHONO or MICROPHONE ADAPTER

No. 247 Adapter enables one to connect a phonograph pick-up or microphone to any radio set using 12 or 18 tube for detector.
INSTRUCTIONS
Remove the detector tube (second detector if radio set is a superheterodyne). Insert Adapter in socket, then place tube into Adapter. Fasten loose wire supplied with Adapter to radio set ground, then connect Phonograph or Microphone to the wire coming from the Adapter and the wire going to ground.
Price \$1.25
Net \$.73

BUD OUTPUT ADAPTER



No. 116 designed so that additional speakers can be connected to any radio set that is using 4 prong power tubes without having to disconnect any of the wiring of radio set or solder any connections.
Packed 2 in a box.
Price \$.50 Per Pair
Net \$.29

Phone Tips



No. 231
1c ea.

MAKE YOUR OWN ADAPTERS



Interchangeable Bud Sockets and bases suitable for every Adapter. requirement. Ideal for making adapters such as phonograph, microphone, earphone and test adapters. Also, can be used for making adapters for modernizing radio sets.

Adapter Section--Male		List	Net
No. 1022-4 prong small plug section		.15	.09
No. 1023-5 prong small plug section		.20	.12
No. 1024-6 prong small plug section		.20	.12
No. 1025-7 prong small plug section		.25	.15
No. 1026-4 prong reg. plug section		.15	.09
No. 1027-5 prong reg. plug section		.20	.12
No. 1028-6 prong reg. plug section		.20	.12
No. 1029-7 prong reg. plug section		.25	.15
Adapter Socket Section			
No. 1017-4 prong		.25	.15
No. 1018-5 prong		.25	.15
No. 1019-6 prong		.30	.18
No. 1020-7 prong (Reg)		.35	.21
No. 1021-7 prong (Small)		.35	.21
No. 1083-7 prong (Comb.)		.45	.27
No. 1084-4-5-6 prong (Comb.)		.45	.27
No. 1048-Lock-on Stud for Adapters which fits universally with latch lock plugs used on analyzers		.20	.12

Neutralizing and Alignment Tools

No. 287
BUD NEUTRALIZING and COMPENSATING SCREW DRIVER
Price \$.30 NET \$.18



No. 118
BUD 4-IN 1 NEUTRALIZING and ALIGNMENT TOOL
Price \$.75 Net \$.44



No. 119M Majestic Attachment for BUD 4-in 1 TOOL--Price \$.30
Net \$.12

No. 281
BUD BALANCING TOOL and ATTACHMENT enables the serviceman to neutralize or balance any radio without having to remove chassis from cabinet.
Price \$.45
Net \$.25

Neutralizing and Alignment Tool Kit
NET \$2.35



No. 286
BUD NEUTRALIZING and COMPENSATING SCREW DRIVER with Bakelite Knob.
Price \$.40 NET \$.24



No. 285
BUD NEUTRALIZING WRENCH and SCREW DRIVER
Price \$.50 Net \$.29



No. 119C Crosley Attachment for BUD 4-in 1 TOOL--Price \$.20
Net \$.12

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

MALLORY

ELKON

YAXLEY

YAXLEY

ALL STANDARD CONTROLS

NET 60 cents

Dual Controls
less 40 %Exact replacements
available for
all popular make
sets

DUAL CONTROLS

CATALOG No.	Resistance in Ohms	Price
RP-137	10	\$1.00
RP-163	20	1.00
RP-201	20	1.00
RP-206	200	1.00
RP-118	1000	1.00
RP-109	5000	1.00
RP-108	1000	1.00
RP-112	1000	1.00
RP-111	1,500	1.00
RP-105	2,000	1.00
RP-101	3,000	1.00
RP-178	4,000	1.00
RP-109	4,000	1.00
RP-107	5,000	1.00
RP-106	6,000	1.00
RP-129	7,500	1.00
RP-101	10,000	1.00
RP-103	10,000	1.00
RP-167	15,000	1.00
RP-102	20,000	1.00
RP-175	25,000	1.00
RP-167	32,000	1.00
RP-172	50,000	1.00
RP-165	75,000	1.00
RP-197	100,000	1.00
RP-191	250,000	1.00
RP-166	500,000	1.00
RP-171	1,000,000	1.00

The New Yaxley
Replacement
Volume Controlrepresents the latest and the utmost
advancement in design, construction and
performance. This noteworthy contri-
bution to the radio industry is the result
of long research and important develop-
ment work.

No 9 Switch

Quick and Positive
in Action. Smooth
in Operation. Re-
sistant to Construction
Handicrafts.This No. 9 Switch has
been on the new Yax-
ley Volume Control
controls now stand-
ards for performance.
It is easily
removed and re-
placed without need
of tools. Labeled as
standard by Radio-
writers. Laboratory
Test passed.ALL LESS
40%ALL LESS
40%

CATALOG NUMBERS

Starting
TypeNon-
Starting
Type

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

Price

Description

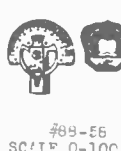
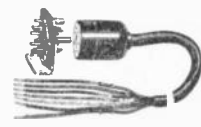
Price

SWITCHES

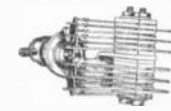
I. C. A. ROTARY SWITCHES

No. 395.
No. 396.Single Pole, Single Throw
Single Pole Double ThrowI. C. A. Rotary Switches are uni-
versally used in service work and by
manufacturers in set production. Sup-
plied in two types: Single Pole
Single Throw and Single Pole Double
Throw.NET
.24
.30SINGLE POLE,
SINGLE THROW
H&H. Net .40
Carling .16
7/8 Shank .25SINGLE POLE,
DOUBLE THROW
H&H. Net .50
Carling .30DOUBLE POLE
DOUBLE THROW
H&H. Net .80

Crowe Dials

ILLUMINATED FAN DIALS
AND ASSEMBLIES. SHIELDED
DIAL LAMP MOVES WITH
INDICATOR. FANCY ESCU-
CHECK PLATES IDEAL
FOR ANY REPLACEMENT
WORK.
FURNISHED COMPLETE WITH
WITH ALL NECESSARY
HARDWARE#75
SCALE 0-100
NET EACH \$3.90#88-85
SCALE 0-100
BEVEL FACE
NET EACH \$1.80#72
SCALE 100-0
BEVEL FACE
TWIN SPEED
NET EACH \$1.80No. 660-7 Conductor Cable Connector Plug
receptacle plug and mounting plate
NET \$1.80

RHEOSTATS

1 OHM TO 75 OHMS
".45
100, 200, 400 OHMS
NET .60

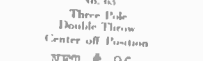
TWO POSITION SWITCHES

No. 720 S.P.S.T. NET .42
No. 730 S.P.D.T. .51
No. 740 D.P.S.T. .57
No. 760 D.P.D.T. .75PUSH BUTTON
SWITCHESNo. 2001 Make Contact .60
No. 2002 Break " .60
No. 2003 S.P.D.T. .69
No. 2004 2 Make Contact .78
No. 2005 2 Break " .73
No. 2006 D.P.D.T. .96

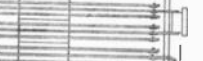
JUNIOR JACKS

No. 701 Open Circuit NET .24
No. 702 Circuit Closing .37
No. 702a Two Circuit .3
No. 703 Single Circuit Fil. .33
No. 704 Interstage .4F
No. 705 Two Circuit Fil. Cort. 51

No. 63

Three Pole
Double Throw
Center off Position
NET \$1.96

No. 61

Four Pole
Double Throw
Center off Position
NET \$1.20

No. 310

Pilot Light
Socket
Net Each .30

No. 330

Panel Light
Socket
Net Each .30

WALTER ASHE RADIO CO.

1100 PINE STREET * * * ST. LOUIS, MO

RAY-O-VAC RADIO BATTERIES

RAY-O-VAC CLASS A RADIO BATTERIES

CLASS A "B" BATTERIES

Number	Volts	Type	Net
9303	45	H.D.	\$1.40
2303	45	Std.	1.05
5303	45	Port.	1.40

CLASS A "C" BATTERIES

5151	22½	"C"	.88
4151	22½	"C" Midget	.88
231W	4½	"C"	.25
531R	4½	"C" Test Kit	.28
551	7½	"C"	.53

Class "A" Dry Cell For All
Radio And Telephone Uses.

1211	1½	Dry Cell	.28
------	----	----------	-----

RAY-O-VAC CLASS C RADIO BATTERIES

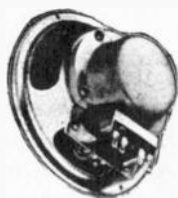
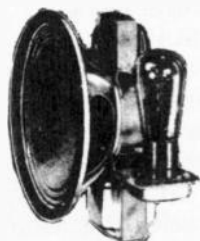
CLASS C "B" BATTERIES

7933	45	H.D.	1.25
7233	45	Std.	.92

All Batteries are
Guaranteed Fresh
Stock. Liberal
Ray-O-Vac Guarantee.

"TARTAK" MAGNETIC AND DYNAMIC SPEAKERS LESS OUTPUT TRANSFORMERS

8 Inch A.C.	NET \$6.45
11 " "	6.00
.6 " D.C. 2500 Ohm	1.50
8 " " "	3.00
11 " " "	4.25
.5 " Magnetic	1.50
6 " " "	2.10
8 " " "	2.60
8 " " Cased	4.25



"CARTER" "5999" Universal Output
Transformer Will Match Any Tubes
To The Above Speakers.
NET-----\$1.05

"CARRON" REPLACEMENT CONES

	NET
Majestic G-1	\$1.17
Majestic G-2	1.17
Newcomb-Hawley	1.65
Utah A-100	1.65
Utah 8 Inch	1.50
Jensen D-9 (Note: Specify inside or outside spider.)	1.75
Jensen D-15	1.35
Victor R E-32	1.32
Apex 26A	1.35
Apex 26P	1.20

Only a few are listed, but
any cone can be supplied on
order, for any speaker. Com-
plete with voice coil. In or-
dering, send in old cone.

Replacement Cells for Wet "B" Eliminators

FOR USE WITH PHILCO-
WILLARD-USEL-VESTA
and EXIDE ELIMINATORS

For replacing exhausted cells in
electrolytic B units. Glass jar, size
1½x1½x6 inches high is complete
with electrolyte and screw top hold-
ing two electrodes. Ready for instant
service. Exact size used in elimina-
tors listed above. Guaranteed by the
manufacturers to give satisfactory
service in B eliminators designed for
them. Come in sets of four in carton.

List, per set of four, \$4.00.
YOUR NET PRICE, \$2.40
Per set of four.....



BATTERY CLIPS		
123B PEE WEE SIZE	10amp. Net	\$.04
123 MEDIUM SIZE	25amp.	.07
124 LARGE SIZE	50amp.	.12
ALLIGATOR		.05



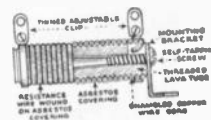
WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.



THE NEW DESIGN OF TRUVOLT ADJUSTABLE RESISTOR — The Most Adaptable Of All Resistors

GREATLY IMPROVED! 1000 VOLT INSULATION

Truvolt resistors, since their introduction to the radio industry, have held first place in popularity with the serviceman and experimenter by their absolute merit. The unique patented construction offers many advantages over the usual type resistor.



WRITE FOR FREE
BEST POCKET VOLUME
CONTROL GUIDE.



The most valuable hand book ever compiled to aid the service man. An accurate, loose-leaf guide to resistor value in all receivers. Durable, flexible Dupont Fabrioid cover. Kept up-to-date by four supplements a year.

Hundreds of enthusiastic service men use this book daily, and have written to us praising its time, labor and money-saving helpfulness.

YOUR COST—\$1.00 A YEAR
INCLUDING FOUR SUPPLEMENTS

TYPE B 25 Watts $\frac{1}{16}$ " x 2" WITH MOUNTING BRACKET

Type	Resistance in Ohms	Current Milli-amperes	Your Cost
B-1	100	500	
B-2	200	353	
B-2.5	250	320	
B-3	300	289	
B-4	400	250	
B-5	500	224	
B-7.5	750	182	
B-8	800	177	
B-8.5	850	165	
B-10	1000	158	
B-12.5	1250	141	
B-15	1500	12	
B-20	2000	112	
B-22.5	2250	105	
B-25	2500	100	
B-30	3000	91	
B-35	3500	84	
B-40	4000	79	
B-45	4500	75	
B-50	5000	71	
B-60	6000	61	
B-70	7000	60	
B-72	7200	59	
B-75	7500	58	
B-80	8000	56	
B-90	9000	53	
B-100	10000	50	
B-120	12000	45	
B-150	15000	41	
B-200	20000	35	
B-250	25000	29	
B-300	30000	25	
B-400	40000	22.5	
B-500	50000	22.5	

49¢

Wt. 1 unit in carton 1½ oz.
Wt. 12 units in container 19 oz.

TYPE C 50 Watts $\frac{1}{8}$ " x 4" WITH MOUNTING BRACKETS AND ONE EXTRA SLIDING CLIP

Type	Resistance in Ohms	Current Milli-amperes	Your Cost
C-1	100	700	
C-2	200	500	
C-3	300	406	
C-4	400	353	
C-5	500	316	
C-7.5	750	259	
C-8	800	252	
C-10	1000	224	
C-12.5	1250	200	
C-15	1500	182	
C-20	2000	158	
C-22.5	2250	141	
C-25	2500	129	
C-30	3000	119	
C-35	3500	112	
C-40	4000	105	
C-45	4500	100	
C-50	5000	91	
C-60	6000	84	
C-70	7000	83	
C-72	7200	82	
C-75	7500	79	
C-80	8000	74	
C-90	9000	71	
C-100	10000	65	
C-120	12000	58	
C-150	15000	50	
C-200	20000	45	
C-250	25000	41	
C-300	30000	35	
C-400	40000	32	
C-500	50000	29	
C-600	60000	25	
C-800	80000	22.5	
C-1000	100000	22.5	

79¢

88¢

Wt. 1 unit in carton 2 oz.
Wt. 6 units in container 14 oz.

TYPE D 75 Watts $\frac{1}{4}$ " x 6" WITH MOUNTING BRACKETS AND ONE EXTRA SLIDING CLIP

Type	Resistance in Ohms	Current Milli-amperes	Your Cost
D-1	100	865	
D-2	200	610	
D-3	300	500	
D-4	400	432	
D-5	500	387	
D-7.5	750	316	
D-8	800	306	
D-10	1000	274	
D-12.5	1250	245	
D-15	1500	224	
D-22.5	2250	182	
D-25	2500	173	
D-30	3000	158	
D-35	3500	146	
D-40	4000	137	
D-45	4500	129	
D-50	5000	122	
D-60	6000	112	
D-70	7000	103	
D-72	7200	102	
D-75	7500	100	
D-80	8000	97	
D-90	9000	91	
D-100	10000	87	
D-120	12000	79	
D-150	15000	71	
D-200	20000	61	
D-250	25000	55	
D-300	30000	50	
D-400	40000	43	
D-500	50000	39	
D-600	60000	35	
D-800	80000	31	
D-1000	10000	27	

94¢

Wt. 1 unit in carton 3½ oz.

EXTRA TRUVOLT ADJUSTABLE CLIPS—Made in Two Types

Type 1—For Truvolt Type A YOUR COST 4¢ each
Type 2—For Truvolt Types B, C and D YOUR COST 4¢ each

New all-metal Aerial Made of Electralloy



This new, inexpensive, one-piece electralloy aerial is easily and quickly mounted under the running board of any car. Electralloy is non-magnetic and non-corrosive. It provides ample pick-up and true, noiseless reception under all conditions. It is 35" long, 8" wide and is unaffected by any kind of weather. Without a doubt the most efficient aerial of its type at any price. Supplied complete with three heavy springs—a protection against breakage—and an ample wire lead for connecting to the radio set.

CAT. NO. 346

NET. \$1.47

ICA Filterformer Kit

"MAN-MADE" static is the detriment to radio enjoyment on the part of all radio set owners. Now the ICA Filterformer System definitely eliminates that nuisance. Anyone can install it. It is not just another "gadget" but a real scientific achievement that does everything claimed for it.

List \$4.50

NET...

\$2.70



WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

FIELD COILS *and* VOICE COILS REWOUND

WE ARE NOW ABLE TO OFFER TO THE SERVICEMAN AND JOBBER A COMPLETE LIST
AND CHART FOR THE REPLACEMENT OF ANY SPEAKER FIELD.

EACH FIELD IS REWOUND WITH NEW WIRE AND TO THE EXACT DIMENSIONS AND
RESISTENCE OF THE OLD FIELD. ALL WORK IS UNCONDITIONALLY GUARANTEED.

(NOTE) TO DETERMINE THE COST OF A FIELD REWIND FIND THE APPROXIMATE
WEIGHT IN POUNDS AND THE RESISTENCE IN OHMS, LOCATE THE POINT AT WHICH
THESE TWO FACTORS INTERSECT AND YOU WILL FIND YOUR NET PRICE.

WEIGHT IN POUNDS

	Q- $\frac{1}{4}$	$\frac{1}{4}$ - $\frac{1}{2}$	$\frac{1}{2}$ - $\frac{3}{4}$	$\frac{3}{4}$ -1	1- $1\frac{1}{4}$	$1\frac{1}{4}$ - $1\frac{1}{2}$	$1\frac{1}{2}$ - $1\frac{3}{4}$	$1\frac{3}{4}$ -2	2- $2\frac{1}{2}$	$2\frac{1}{2}$ - $2\frac{3}{4}$	$2\frac{3}{4}$ -3
250	.39	.87	1.35	1.95	1.74	—	—	—	—	—	—
500	.54	.78	1.11	1.74	1.74	2.67	—	—	—	—	—
750	.54	.78	1.17	1.74	1.74	2.61	2.61	2.61	4.02	—	—
1,000	.48	1.05	1.56	1.56	2.31	2.31	2.31	3.48	3.48	3.48	5.43
1,250	.60	.87	1.32	1.95	1.95	2.88	2.88	2.88	2.88	4.35	4.35
1,500	.57	1.08	1.59	1.59	2.34	2.34	2.34	3.45	3.45	3.45	5.22
1,750	.66	.81	1.23	1.86	1.86	2.73	2.73	2.73	4.02	4.02	4.02
2,000	.75	.93	1.38	2.10	2.10	3.18	3.18	3.18	3.18	4.62	4.62
2,250	.57	1.05	1.56	1.56	2.37	2.37	3.51	3.51	3.51	3.51	5.19
2,500	.63	1.17	1.74	1.74	2.64	2.64	2.64	3.87	3.87	3.87	5.76
2,750	.69	1.29	1.29	1.92	1.92	2.91	2.91	2.91	4.26	4.26	4.26
3,000	.78	1.14	1.47	2.10	2.10	3.15	3.15	3.15	4.65	4.65	4.65
3,250	.84	1.23	1.53	2.25	2.25	2.25	3.42	3.42	3.42	5.04	5.04
3,500	.57	1.32	1.65	1.65	2.43	2.43	3.69	3.69	3.69	3.69	5.43
3,750	.60	1.41	1.77	1.77	2.61	2.61	3.96	3.96	3.96	3.96	5.79
4,000	.66	1.50	1.86	1.86	2.79	2.79	2.79	4.20	4.20	4.20	6.18
4,250	.69	1.59	1.62	1.92	2.94	2.94	2.94	4.47	4.47	4.47	4.47
4,500	.72	1.07	1.65	2.10	2.10	3.12	3.12	3.12	4.74	4.74	4.74
4,750	.78	1.23	1.80	2.22	2.22	3.30	3.30	3.30	5.01	5.01	5.01
5,000	.81	1.29	1.89	2.34	2.34	3.48	3.48	3.48	5.25	5.25	5.25
6,000	.69	1.53	2.25	2.22	2.37	2.37	4.17	4.17	4.17	4.17	6.33
7,000	.78	1.04	1.80	2.64	2.64	3.27	3.27	3.27	4.95	4.95	4.95
8,000	.90	1.29	2.07	3.06	3.03	3.75	3.75	3.75	5.64	5.64	5.64
9,000	1.02	1.44	2.31	2.31	3.39	3.39	4.20	4.20	4.20	4.20	6.33
10,000	1.14	1.62	2.58	2.58	3.78	3.78	4.68	4.68	4.68	4.68	7.05

NOTE: These are NET prices, (List, less 40%)

These prices do not apply to coils wound in layers with extra insulation between layers, or to coils wound with wire other than Plain Enamel. For coils of these types, write or ask us for prices.

SPECIAL NOTE !

SAVE that old voice coil and cone. As long as the cone and voice coil form are left WE can rewind the coil EXACTLY as it was before. YOUR COST 1 to 10 ohms \$.60 OVER or UNDER 1 to 10 ohms See us.

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

BRONZE Dial Cable

Your Cost

10 ft. or less . . **5c** ft.25 ft. or less . . **4c** ft.

50 Ft. Spool Net \$1.35

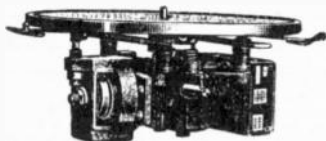


New Two-Speed Governor Controlled GREEN - FLYER Induction MOTOR

With 10 inch Turntable

A quality motor giving absolute uniformity of speed unaffected by variation of voltage and record drag. Long over-size, self-lubricating bearings prevent overheating in closed cases or cabinets. Silent, spiral-cut gears made from laminated bakelite, completely enclosed and run in oil.

Equipped with 10 inch felt covered turntable, speed indicator dial, speed indicator pointer, speed change switchboard plate, speed change pointer, mounting screws and washers. For operation on 110 volt, 60 cycle A.C.



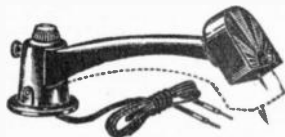
COMPLETE WITH AUTOMATIC STOP

NET

\$9.75

UPCO

Phonograph Pickup



FOR 78 R.P.M. OPERATION

NET \$6.50

FOR 33- 78 R.P.M. OPERATION

NET **\$7.45**

CARBON RESISTORS

Pig Tail Resistors R.M.A.

Color-Coded

Stock Resistance Values

500 ohms	50,000 ohms
750 ohms	75,000 ohms
1,000 ohms	100,000 ohms
1,500 ohms	150,000 ohms
2,000 ohms	250,000 ohms
2,500 ohms	.5 megohms
3,000 ohms	750,000 ohms
5,000 ohms	1.0 megohms
7,500 ohms	1.5 megohms
10,000 ohms	2.0 megohms
15,000 ohms	3.0 megohms
25,000 ohms	



8c EACH 25 OR MORE 7¢ ea.
Net
One Watt 50 OR MORE 6¢ ea.

108 POWER LINE FILTERETTE

For either A.C. or D.C. sets. Contains specially designed RF chokes and condensers essential for successful line filtering.

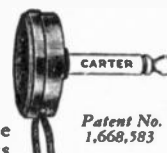


Line Filterette RF-2

\$4.95

Net
\$2.91

Original CARTER FLAT PLUG



Flat Bakelite handle fits close to panel and presents neat finished appearance. Cord tips held tightly without screws and can easily be inserted or withdrawn. Provision made for stay cord. Diameter 1 1/2 inches.

YOUR COST 44c

SHORT JACKS

(Pat. No. 1,620,755)



Heavy bakelite insulators eliminate leakage. Sleeve terminal marked "+" (positive). Mount in 3/4" hole on panels up to 3/4". Fit Carter or any standard plug.



No. 1 (Open Circuit, Output Type) Price, each . . . **.15**
 No. 2-A (Single, Closed Circuit) Price, each . . . **.18**

SCREEN GRID CAP



No. 107

Made of hard Brass,
Cadmium Plated.

\$.02
Net

TIP JACKS



No. 296

Nickle plated
Brass

6¢

WALTER ASHE RADIO CO.

1100 PINE STREET * * * * ST. LOUIS, MO.



Resistors



"RED DEVIL" CEMENT COATED RESISTORS

"Red Devil" Cement Coated Wire Wound Resistors



ORDINARY RESISTOR

STOCK VALUES 10 Watt RED DEVILS				
Ohms	Ohms	Ohms	Ohms	Ohms
1	35	500	2000	9,000
2	40	600	2250	10,000
3	50	700	2500	12,000
4	75	750	3000	12,500
5	100	800	3500	14,000
7.5	125	900	4000	15,000
10	150	1000	4500	16,000
12	200	1100	5000	17,500
15	250	1200	6000	18,000
20	300	1250	7000	20,000
25	350	1500	7500	22,500
30	400	1750	8000	25,000
LIST PRICE \$0.35 Ea.				

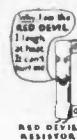


DIMENSIONS
TEN WATT UNITS
1 1/2" x 1/2" x 1/4"
TWENTY WATT UNITS
2" x 1/2" x 1/4"
All units have 1/8" inch tin plated wire leads

STOCK VALUES 20 Watt RED DEVILS	
Ohms	Ohms
30,000	75,000
35,000	80,000
40,000	85,000
45,000	90,000
50,000	95,000
55,000	100,000
60,000	
65,000	
70,000	

LIST PRICE \$0.65
Net \$.39

LIST PRICE \$0.75
Net \$.45



RED DEVIL RESISTOR

OHMITE

"Dual Scale" Resistance Indicator



Net \$ 2.40



Showing 1 watt "Wire Watt" Resistor

STOCK VALUES

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
100	400	1000	2250	6,000	15,000
125	500	1100	2500	7,000	16,000
150	600	1200	3000	7,500	17,500
200	700	1250	3500	8,000	18,000
250	750	1500	4000	9,000	20,000
300	800	1750	4500	10,000	22,500
350	900	2000	5000	12,500	25,000

LIST PRICE \$.25 Ea.
Net \$.15 Ea.

"Cordohm" Line Cord Resistor
For A.C.-D.C. Radio Sets



Total Voltage
Drop in Filaments
21.2 to 31.5 volts
16.1 to 28.9 volts
68.9 to 77.3 volts

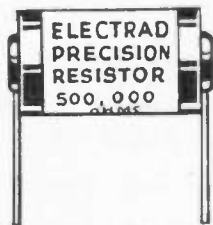
Resistance of
Cordohm
290 ohms
160 ohms
135 ohms

LIST PRICE, ANY ABOVE VALUE \$1.50

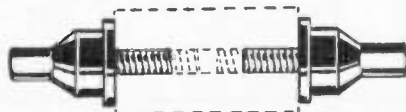
Net \$.90

ELECTRAD

PRECISION WIRE-WOUND RESISTORS



Type 6P



FERRULE TERMINALS
For Precision
Wire-Wound Resistors
Price 15¢ per pair

ELECTRAD Precision Wire Wound Resistors have been developed to meet the requirements of an accurate, dependable resistor with a minimum of inductance and distributed capacity.

These resistors are particularly useful as volt-meter multipliers, resistor elements of laboratory instruments and custom built apparatus.

By use of the above mentioned ferrules, the Electrad Precision Resistor Type 6P can be transformed into a ferrule type resistor. The ferrules can be screwed into the ends of any type 6P resistor.

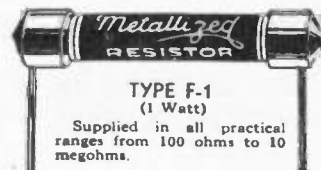
Net 15¢ per pair.

Resistance in Ohms	Maximum Potential in Volts	Maximum Current in Milliamperes	YOUR COST
1	1.2	1225	\$.45
5	2.7	548	.45
10	3.8	387	.45
25	6.1	245	.45
50	8.6	173	.45
100	12	122	.45
150	15	100	.45
200	17	86	.45
500	27	55	.45
1000	38	38	.48
2500	61	24	.51
5000	86	17	.57
7500	106	14	.57
10000	122	12	.60
12500	137	11	.60
15000	150	10	.60
20000	173	8.6	.75
25000	194	7.7	.75
30000	212	7	.75
35000	229	6.5	.75
40000	245	6.1	.75
50000	274	5.5	.75
60000	300	5	.90
75000	336	4.4	.90
100000	387	3.8	1.05
125000	433	3.4	1.20
150000	475	3.1	1.35
175000	510	2.9	1.35
200000	548	2.7	1.35
225000	580	2.5	1.50
250000	610	2.4	1.50
300000	670	2.2	1.65
400000	750	2.2	1.65
500000	750	1.5	1.95
750000	750	1.0	2.40
1000000	750	.7	3.00

IRC

Metallized

Ohms	Ohms	Ohms	Ohms
100	3,500	35,000	
250	4,000	40,000	1/4 meg.
450	4,000	50,000	1 meg.
500	6,000	60,000	1 1/4 meg.
750	7,000	70,000	2 meg.
1,000	7,500	75,000	2 1/2 meg.
1,250	8,000	100,000	3 meg.
1,500	9,000	125,000	3 meg.
1,600	10,000	150,000	4 meg.
1,750	12,500	175,000	5 meg.
1,950	15,000	200,000	6 meg.
2,000	20,000	250,000	7 meg.
2,250	25,000	300,000	8 meg.
2,500	30,000	400,000	9 meg.
3,000	175,000	500,000	10 meg.



TYPE F-1

(1 Watt)

Supplied in all practical ranges from 100 ohms to 10 megohms.

TYPE F-2 (Not Illustrated)

(2 Watts)

Supplied in all ranges from 50 ohms to 5 megohms

ONE WATT RESISTORS • 2 WATT RESISTORS

15c NET • 21c NET

WALTER ASHE RADIO CO.

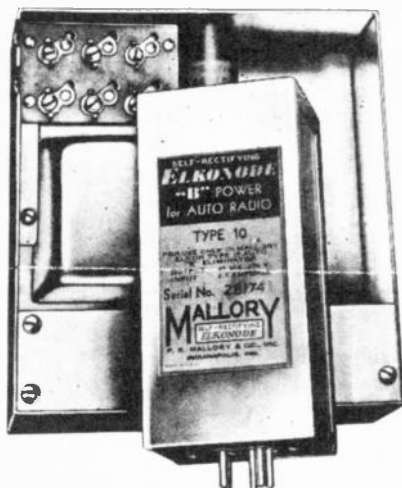
1100 PINE STREET • ST. LOUIS, MO.

MALLORY

ELKON

"B" ELIMINATOR

List Price \$17⁵⁰



NET
\$10⁵⁰

The New Self-Rectifying Elkonode Eliminates Tubes

This rectifying device within itself sets up the essentially alternating current and rectifies it, eliminating cost of rectifying tube and other parts. Results in a much higher efficiency and permits a vibrator element design which is not only much smaller but is silent in operation.



"BEIDEN"

SHIELDED HIGH TENSION IGNITION CABLE.

USED FOR SHIELDING SPARK PLUGS AND DISTRIBUTOR WIRES.

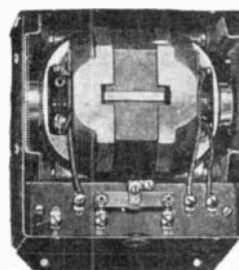
NET PER FOOT

.09

PIONEER

The ORIGINAL
"B" ELIMINATOR

DYNAMOTOR TYPE
Guaranteed One Year.



TYPE 5180 T

Draws 1.94 Amps

Output Is 180 Volts

30 M.A.. Tapped At 90 V.

List \$18.50 Net \$11.10

RIDER AUTO RADIO MANUAL

IT CONTAINS SCHEMATICS, VOLTAGE DATA, ELECTRICAL VALUES, RESISTANCE DATA, SOCKET LAYOUTS, INSTALLATION NOTES, SERVICE NOTES, PRICE \$3.50.



Mallory Elkonodes
Types 1-2-3-4-5-6.

LIST PRICE
\$4.50

NET PRICE
\$2.70

New Low Resistance Auto Suppressors

New and radical improvement in suppressors for auto radio; very effective in eliminating motor spark and distributor noises. Fits practically any car. For Beiden distributor type is used by mounting distributor head



500 OHM WIRE WOUND

Wire wound and non-inductive. Does not retard speed of car. Quickly attached. In two types, very reasonably priced

NET EACH

Plug type. 27c
Distributor type.

	LIST PRICE
Type 10 Elkonode.	\$7.00
Type 11 Elkonode.	7.00
Type 12 Elkonode.	7.00
Type 13 Elkonode.	7.00
Type 14 Elkonode.	7.00

Net \$4.20



WALTER ASHE RADIO CO.

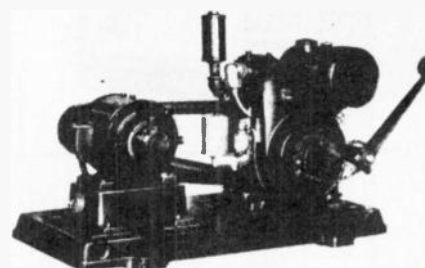
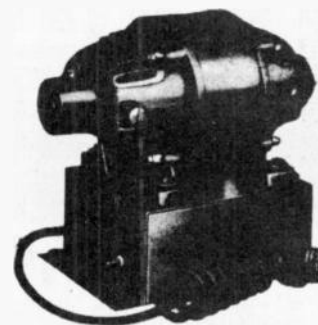
1100 PINE STREET * * * ST. LOUIS, MO.

Janette

ROTARY CONVERTERS

WITH FILTER FOR RADIO USE

CODE NAME	WATTS OUTPUT	AMPERES INPUT	LIST PRICE	NET PRICE
32 VOLTS D.C. TO 110 VOLTS 60 CYCLES A.C.				
RAGOU	80	5:4	\$44.00	\$30.18
RAKNE	110	6:5	51:25	35.15
RAJAH	150	8:5	59:95	41.12
RATED	300	15.0	77.00	52.82
115 VOLTS D.C. TO 110 VOLTS 60 CYCLES A.C.				
RAGTL	80	1:3	44.00	30.18
RAGAR	110	1:9	51:25	35.15
RACIN	150	2:4	59:95	41.12
RADUM	300	4.0	71.50	49.05



ONLY A FEW POPULAR SIZES ARE LISTED
ANY SIZE CAN BE HAD ON ORDER.

JANETTE GAS ENGINE DRIVEN GENERATING SETS.

Ideal unit for lighting and for the operation of radios, amplifiers, sound trucks, public address systems, etc. Obtainable with or without radio filters. Sizes 300 to 5500 watts. Delivers 32 V. D.C., 110 V. D.C., or 110 V. 60 cycles A.C.

MEISSNER COILS

I.F. TRANSFORMERS



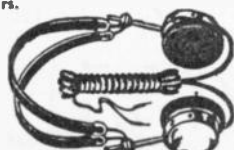
High gain shielded intermediate frequency transformers for use in modern superheterodynes. Inductances are specially designed for high gain. Contained in square cans measuring 2 in. x 2 in. x 3 in. Top tuning.

175 K.C. for standard broad-

465 K.C. for short wave super-hets (used with pad circuit).
NET EACH **89c**

BRANDES PHONES

Make or finest materials available. We have sold this head set exclusively for the last three years and have sold them to a lot of satisfied customers.



YOUR COST \$ 1.80

175 K.C. Composite Oscillator



Composite, high gain coil used as the first detector, oscillator and first I.F. transformer. Eliminates the use of one tube with no loss in efficiency. Top tuning. Used with 5 and 7 tube superheterodyne kits as listed on this page. Laboratory peaked at 175 K.C. No padding condenser necessary as it is made for the new special tracking oscillator section variable condensers. (.00036 Mfd.) Enclosed in square cans. 2"x2"x3".

YOUR PRICE **\$1.25**

PRESELECTOR



High gain shielded band-pass preselector. Utilized in five tube superheterodyne as listed on this page. Contained in square cans 2"x2"x3" high Top tuning.

YOUR PRICE **87c**

Midget 175 K.C. I.F. Trans.



The only midget high gain I.F. transformer. Top tuning. Can be used in place of the larger I.F. transformer illustrated with the 5 and 7 tube kits, or in any set in which space is a factor. 1 1/2"x1 1/2". For superhets with S.G. tubes.

YOUR PRICE **87c**
With secondary center tapped for new Wunderlich or 55 and 85 Duplex-Diode-Triode tubes. **97c**

OSCILLATOR



Shielded oscillator for use with I.F. transformers described above. Tunes with oscillator tracking section or a pad circuit. Contained in square cans 2 in. x 2 in. x 3 in.

YOUR PRICE **75c**

Antenna and R.F. Coils



Antenna and R.F. coils with Coupling Rings. High gain fully shielded coils designed for use with the new screen-grid tubes. Antenna coil has an inductively coupled primary and a Coupling Ring. R.F. Coil has a high impedance non-coupled primary, with a Coupling Ring. Contained in square cans 2 in. x 2 in. x 3 in. Requires .00036 Tynco Condenser.

Antenna Coil and Ring. R.F. Coil
NET EACH **67c**

TRIMM

FEATHERWEIGHT PHONES

Type F-100
24,000 ohms
Impedance.



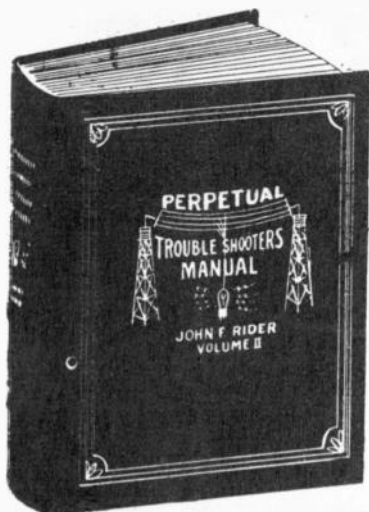
Net weight 4 oz. Diameter 2 3/4" 3/4" Thick. Bakelite shell and cap. Cobalt steel magnet. Adjustable steel headband.

LIST \$10.00
NET \$6.00

WALTER ASHE RADIO CO.

1100 PINE STREET * * * ST. LOUIS, MO.

Perpetual Trouble Shooter's Manual



NO DUPLICATIONS BETWEEN VOLS. I, II, & III, VOL. II A CONTINUATION OF VOL. I, VOL. III A CONTINUATION OF VOL. II. EVERY DIAGRAM FROM THE FIRST BATTERY SET TO THE LATEST ALL-ELECTRIC SUPERHET.

VOL. I.	-----	\$7.50
VOL. II.	-----	6.50
VOL. III.	-----	7.50
Vol. IV.	-----	7.50

SERVICING RECEIVERS BY MEANS OF RESISTANCE MEASUREMENT, by John F. Rider	-----	1.00
PRACTICAL RADIO TESTING SYSTEMS, by John F. Rider	-----	.95

COMBINATION "31nl" MANUAL WITHOUT HANDLES	\$21.50
COMBINATION "31nl" MANUAL WITH HANDLES	25.00

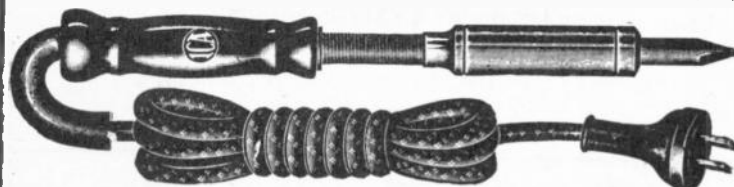
I.C.A. SOLDERING IRONS

"SEALED IN INSULEX"

50 — 75 — 100 Watt, 120 Volt

Fully Nickel Plated

Efficient "All-Purpose" Irons



		NET
No. 1960.	50 Watt	\$ 1.98
No. 1962.	75 Watt	2.34
No. 1961.	100 WATT	2.98

I. C. A. SOLDERING IRON HOLDER and STAND

No. 1966.

Your Cost **75°**



Here you are. Just what you've been looking for. A practical stand for your hot iron while on a service call. And, when finished, no need to hang around waiting for iron to cool. Just stick it in the holder—barrel and tip—and go on your way.



"STANDARD" Soldering Irons		
50 Watt	Net	\$.75
75 "	"	1.50
150 "	"	3.00
200 "	"	4.13

MIDGET SOLDERITE



OVERALL SIZE 8 INCHES, SMALLEST SOLDERING IRON

Full 25 Watt Rating

Smallest Electric Soldering

Iron on the Market

Overall Length of Iron 8 Inches

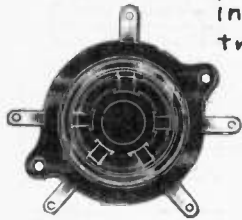
Heats
in
One
Minute

**NET
.90**

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

MOULDED BAKLITE SOCKETS

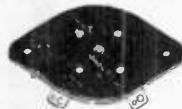
For baseboard and panel mounting. Ideal for low-power transmitters



4 Prong	NET
5 "	\$.15
6 "	.15
	.21

7 Prong composite, large and small .21

SUB-PANEL SOCKETS



NET
4 & 5 Prong 6¢
6 & 7 Prong 8¢

Sub-Panel Sockets are made of sturdy phosphor bronze contacts, and Bakelite. They are accurate and will fit all makes of tubes.



"Grip-All" Tool



NET .57¢

EBY BINDING POSTS



NET EACH .09

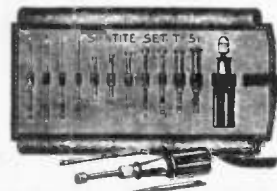
EBY ROTARY SNAP SWITCHES



	NET
SPST	.20
SPDT	.25
DPDT	.50



Set No. T-51



"STEVENS SPINTITE"

WRENCH

SET

Many mechanics prefer the compactness and portability of the tool roll. Contains 3 screw driver bits of crucible steel, with 1/8, 3/16, 1/4 in. blades and extra long shanks. 1 ream awl for starting screws, reaming holes, laying out parts, etc. 7 Spintite hex. bits, 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, and 1/2, with Universal handle. No. T-51 Set complete in roll \$3.50 Dealer Net \$5.85 List Price

NET \$3.50

Phone and Speaker Cords

These Cords are used in replacing worn-out cords from head sets or loud speakers. are closely woven and are strong and durable.

NET EACH



.25

Cord Connector

Made of bakelite. Built to withstand heavy wear and abuse. Neat in appearance. Cord tips can be attached quickly without the use of tools.

List Price, \$0.25



Your Cost, \$0.15

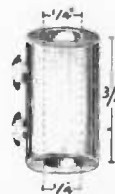
SHAFT COUPLINGS



No 25-75

NET

.04



No 250

NET

.09



No 50-50

NET

.09

SPEAKER

Extension Cords



These Cords are made of stranded copper wires and insulated with rubber to protect the copper strands from moisture which often causes leakage from one conductor.

	NET
5 Feet	.21
10 "	.36
20 "	.52
40 "	.90

SPIN TYPE WRENCHES



6"

1/4" Size Spin Type for	1/4" Hexagon Nut
5/16" Size Spin Type for	5/16" Hexagon Nut
3/8" Size Spin Type for	3/8" Hexagon Nut
7/16" Size Spin Type for	7/16" Hexagon Nut

\$1.15
each
Net

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

MODEL 333 SUPREME ANALYZER



MODEL 333 RADIO ANALYZER

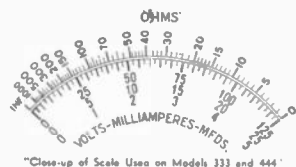
Dealers not cash wholesale
price \$39.50

QUICK FACTS

about the Model 333 Radio Analyzer

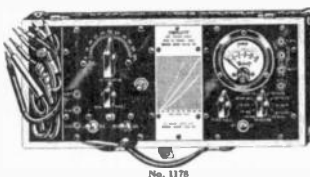
- (1) Capacity ranges as follows:
002% to 0.125 mids
0.2% to 1.25
2% to 12.5
- (2) A.C. ranges as follows:
0 to 25 volts
0 to 125
0 to 250
0 to 500
0 to 1250
- (3) M.A. ranges as follows:
0 to 25
0 to 125
0 to 250
0 to 500
0 to 1250
- (4) Resistance ranges as follows:
0 to 1,000 ohms
0 to 10,000
0 to 100,000
0 to 1,000,000
- (5) D.C. ranges as follows:
0 to 25 volts
0 to 125
0 to 250
0 to 500
0 to 1250
- (6) Output ranges as follows:
0 to 25 volts
0 to 125
0 to 250
0 to 500
0 to 1250
- (7) Analyzer combined with point-to-point tester.
(8) Universal meter with compensated crystalline rectifier for A.C. measure-
ments.
(9) Point to point resistance, voltage and current analysis.
(10) Tube testing from radio socket with self-contained grid shift battery.
(11) Capacitor leakage test including electrolytic capacitors.
(12) Enables use of headphones and speakers in telephone etc. connections
for all microwave tests.
(13) 5-range output meter available for convenient use without the necessity
of transformer output adapters.
(14) D.C. measurements will not register on A.C. ranges.
(15) A.C. measurements will not register on D.C. ranges.
(16) A.C. and capacity measurements register on uniformly divided scale in-
stead of on usual bunched scales.
(17) Full size of Arsonne 3 inch meter employed.

FREE REFERENCE POINT SYSTEM OF ANALYSES



"Close-up of Scale Used on Models 333 and 444"

TRIPLITT PERPETUAL TESTER NO. 1178



No. 1178

Here is a tester that does not become obsolete and is built for lifetime use. Tests tubes while operating in the set socket, by measuring gain in output. Tests set circuits and aligns tuning condensers. Fulfills every testing requirement in the home or in the shop. Built to a standard and designed by engineers, who have specialized in superior test equipment for every need of the serviceman.

Contains a direct reading Ohmmeter, Output meter, A.C. — D.C. Voltmeter and Milliammeter

A complete tester with sixteen different scale readings reduced to extreme simplicity and easy to read. Meter is 3 1/4" in size. Everything that the serviceman needs to diagnose and remedy set troubles is incorporated in this compact newly designed instrument. Its smart design gives that professional appearance that impresses the customer. Its extreme accuracy and completeness satisfies the most exacting needs of the professional serviceman.

Precision Measurements

The single meter when used as either an A.C. or D.C. Voltmeter has 1000 ohms resistance per volt. Voltage readings are 15-150-750. The D.C. milliammeter readings are 1.5-15-150 and the A.C. milliammeter readings are 15-150. The direct reading Ohmmeter with the easy reading scale has red and black figures which makes possible accurate readings from 3 or 1.5 megohms down to 1 ohm. All readings are controlled by a selector switch.

Point to point continuity tests are made with this part of the instrument and the meter is used also for indicating output when set is connected with the oscillator for aligning condensers and measuring gain in tube values.

The Oscillator is also a well designed, completely shielded instrument. A switch permits use for generating either a stabilized modulated or unmodulated signal of constant level. Extremely accurate scale divisions cover fractional frequencies on the individually hand made chart from 110 to 1600 K.C. Batteries are in a separate shielded compartment easily accessible. They consist of two small flashlight cells and one 22 1/2 volt block. Used for both Oscillator and Volt-Ohm-Milliammeter.

Furnished in a substantial leatherette or attractive oak case size 16 1/2" x 4 3/4" x 7 1/2" Cover is removable

No. 1177 — In Leatherette Case — 1.5 Megohms (Shipping weight approximately 17 lbs.) \$36.00
No. 1178 — In Oak Case — 3 Megohms (Shipping weight approximately 19 lbs.) \$40.00

NET
\$23.52
\$26.14

OHMS



Chart Sample

TRIPLITT
FREE-POINT TEST
SET NO. 1179

The new Triplitt portable laboratory combines the three essential units for quick and accurate radio servicing.

No. 1179 is the most complete and handy set of precision instruments available.

Includes No. 1150 Oscillator, No. 1125 Universal Volt-Ohm-Milliammeter, and No. 1166 Free-Point Auxiliary Set Tester completely described under individual listings in this catalog.

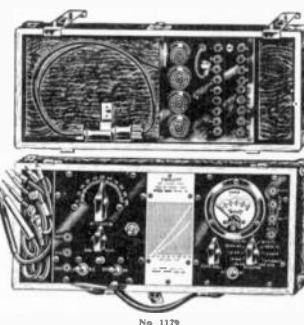
No. 1166 is built in the cover. Heavy metal removable brackets support the cover when in use. These supports are secured in cover when not in use.

Furnished complete in oak case-size 16 1/2" x 7 1/2" x 5 1/2".

Shipping weight approximately 19 pounds.

No. 1179 — LIST PRICE \$52.00

Net



No. 1179

\$ 33.95

CONFIDENCE

NEW SPECIAL TYPE

Quick! Simple!
AND EASY TO READ

DIRECT READING— shows tube condition IN ENGLISH. Such simplicity convinces the set owner and SELLS TUBES.

COMPLETE—Tests 115 tubes including those with high filament voltage and A.L.I. other latest types to date; with a generous provision for future tubes.

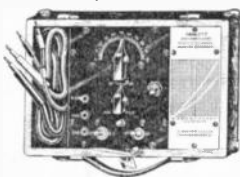
MODEL B—Portable—is housed in a sturdy and attractive leatherette case, size 9" x 14" x 5", with removable cover which also contains the Auxiliary Socket Unit and Tube Chart (see reverse side of this sheet). Shipping weight 15 lbs. Net carrying weight 12 lbs.



Net

\$ 34.50

New Triplitt Oscillator



No. 1150

No. 1150 is a well designed, completely shielded instrument. A switch permits generating either a stabilized modulated or unmodulated signal of constant level. Extremely accurate scale divisions cover fractional frequencies from 110 to 1600 K.C., on the individually hand-made chart. Batteries are in a separate shielded compartment easily accessible. Two small flashlight cells and one 22 1/2 volt block are furnished.

No. 1150 is built in oak case exactly like one supplied with No. 1125 shown on opposite page.

Shipping weight approximately 13 pounds.

List Price \$30.00

Net

\$ 19.60

TRIPLITT
Free-Point Auxiliary
Set Tester No. 1166

The No. 1166 makes accessible all the set socket connections to each of the various tube elements. These connections are brought to the tester through the cable and plug. By this method voltages, currents, resistances and continuities may be measured quickly and accurately, without removing the chassis from the cabinet.

Triplitt No. 1166 is universal, flexible and lends itself to the simplest manipulations possible which any serviceman can immediately understand. Four sockets take care of all present day tubes. Whenever other sockets with added connections are required these parts can be easily replaced at very slight cost.

This tester thus makes unnecessary carrying additional cables, plugs, etc., as well as eliminating all bother in changing them about when tubes with different prongs are used. Furnished with simplified chart for each type of tube. Also four plug adapters.

No. 1166 — In Oak Case, Size 11 1/2" x 7 1/2" x 4 1/2".

Shipping weight approximately 9 pounds.

LIST PRICE \$16.00

Net

\$ 10.46

WALTER ASHE RADIO CO.

1100 PINE STREET * * * ST. LOUIS, MO.

Readrite

RADIO INSTRUMENTS

SET TESTERS MODELS 710 & 610
Also Models 711 & 611 For Precise Testing
New Small Size Plug, Adapters and Sockets

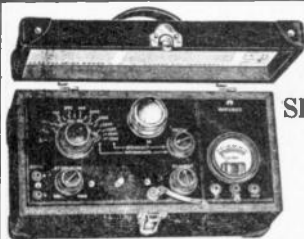


No. 710

No. 710—Code—Raft. List price _____ **\$27.50**
NET 16.17

No. 711 is same as No. 710 but equipped with a Triplett D. C. voltmeter 0-15-80-500-600 having 1000 ohms per volt resistance. With the 4½ volt battery will test resistances up to 266,000 ohms. Chart furnished for resistance testing up to 5 megohms.

No. 711—Code—Traff. List price _____ **\$41.25**
NET 24.26



No. 550

SERVICE TEST OSCILLATOR

Model No. 550

No. 550 complete with panel output meter. Code—Rank. List price _____ **\$35.00**
Net _____ 20.58

No. 551 complete less panel output meter. Code—Rap. List price _____ **\$33.00**
Net _____ 19.41

COUNTER TUBE TESTERS

Models No. 410 & 412

Tests All Tubes Without Adapters, Including
25Z5—53—43—79—2B7—6B7—2A4—2A6, etc.



No. 410

No. 410—60 Cycle—Code—Rager. List price _____ **\$27.50**
No. 412—80 Cycle with short tester same as No. 410; combined with No. 410. Code—Rainer **\$40.15**

No. 410 Net _____ **\$16.17**

No. 412 Net _____ **\$23.61**

CLAROSTAT

VOLUME CONTROLS



LIST \$2.50 NET \$1.50

LINE BALLASTS

BRUNSWICK #2179
CLARION 51 53 55 2408
RAMM. ROBS. 31 2408
30 2179
M/JESTIC 7P6 1616
7BP6 1608
8P6 1012
9C 1210
SCOTT A.C. 10 2179
S.M. 3C-30B Etc. 2179
SONORA A30 32 40 2179
A36 44 46 4210
Stewart WARNER 9005001
950 5002

44¢ EA. SINGLE LOTS
OR 36¢ EA. FOR 6 OR MORE
Add 25¢ For Switch Type

ONLY THE MOST POPULAR SELLERS
ARE STOCKED. ALL ARE STANDARD
REPLACEMENTS WITH THE CORRECT
AMOUNT OF TAPER.

RESISTANCE VALUES OF STOCK ITEMS.

RESISTANCE	SIZE
1000	25,000
2000	50,000
3000	75,000
5000	100,000
7500	200,000
10,000	250,000
15,000	500,000

SHAFT
I 1/2 X 1/4"
SHAFT IS INSULATED FROM GROUND

I. C. A. "GLOVE-TITE" TUBE SHIELD



Provides highest efficiency in tube shielding. Fits tight as a glove, preventing vibration. Especially adapted for noisy receivers. Replaces spray shield tubes. Installed in a moment. Complete with all hardware.

No. 1718—Dome shaped for 16-17-18, etc.
No. 1719—Old shaped for 21A-22T, etc.

NET \$1 ea

I. C. A. DYNATROL LINE NOISE FILTER



NET \$90



I. C. A. INSULATED SCREEN GRID CAP

For tube checkers, meters, sets, etc. Supplied complete with wire lead.

No. 880

NET 9¢

I. C. A. INSULATED JACKS

Ideal for use on metal panels. Variety of colors. Assures perfect contact with wires of phone type. Fully constructed.



NET 9¢



NAALD ANALYZER PLUGS

7 Prong Plug \$2.10
7 To 4 Adaptor .75
7 To 5 " .75
7 To 6 " .75

EIGHT WIRE CABLE

NET PER FOOT .08

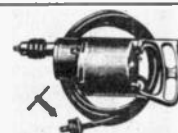


MIDGET INPUT, OUTPUT CHOKES FOR AUTO AND A.C.D.C. SETS.

INPUT, NET \$.75
OUTPUT \$.75
CHOKES \$.40

"SIGNAT" Drill with 1/2 Inch Jacobs Chuck

Net \$15.05



JEFFERSON

Radio Replacement Products

New Universal Input and Output Transformers

Coupling No.	Type	Dimensions, Inches			Weight, Lbs.	List	Net
		High	Wide	Deep			
467-175	Input	2	2 1/2	2	1 1/2	\$2.55	\$1.83
467-176	Output	2	2 1/2	2	1 1/2	1.35	1.17
467-125	Choke	2	2 1/2	2	1 1/2	1.95	1.17

No. 372 Tapped

For push-pull or straight audio—universal bracket

Coupling No.	Model No.	Dimensions, Inches			Weight, Lbs.	List	Net
		High	Wide	Deep			
467-168	372	1 1/2	2 1/2	2	1	\$2.20	\$1.32

No. 370A

A quality low-priced popular audio replacement

Coupling No.	Model No.	Dimensions, Inches			Weight, Lbs.	List	Net
		High	Wide	Deep			
467-164	370A	1 1/2	2 1/2	2 1/2	1 1/2	\$1.85	\$1.11

WALTER ASHE RADIO CO.

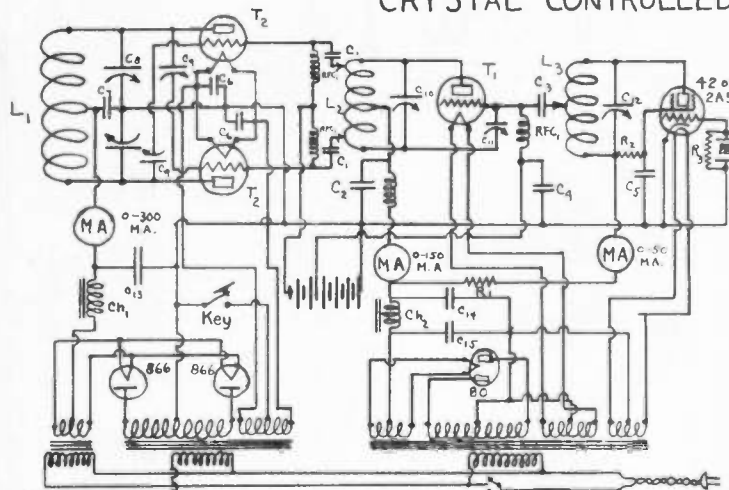
1100 PINE STREET * *

* * ST. LOUIS, MO.

CIRCUIT DIAGRAMS FOR NEW & OLD TIMERS

They Work!

UNIVERSAL THREE STAGE CRYSTAL CONTROLLED



Legend:

C₁, C₆ .001-5000 Volt Mica Dublier Type 9
C₂, C₄ .002-1000 Volt Mica " "
C₃ .001-1000 Volt Mica " "
C₅ .5 MF 600 Volt Sprague
C₇ .002-5000 Volt Mica Dublier " "
C₈ .00007 Total Split-Static Cardwell
C₉, C₁₁ .00002-3000 Volt Variable
C₁₀ .0001
C₁₂ .0002 Rectifying Type
C₁₃ 2 to 4 MF 1500 Volts Paper
C₁₄, C₁₅ 2 to 4 MF 1000 "

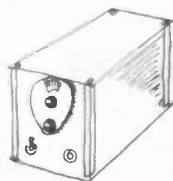
R₁ Plate resistance (abt 10,000 $\pm$ 25W)
R₂ 40,000 Ω 20 Watt
R₃ 75,000 Ω 2 Watt
RFC, 2 1/2 M.H.
Ch, 15H 250 M.A.
Ch₂ 15-30H 110 M.A.

WATTS OUTPUT	BUFFER TUBE	PLATE VOLTS	FINAL TUBE	PLATE VOLTS
30	5X210	600	5X210	600
80	5X830	750	5X830	750
200	5X830	800	5X03A	1000

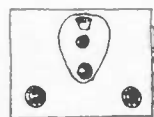
FAE

MONITOR AND RECEIVER KITS

Standard circuits and merchandise compose these Kits in which every part is guaranteed.



SHIELDED MONITOR



SHORT WAVE 2 TUBE RECEIVER



POWER SUPPLY

Uses -30 tube, one #6 dry cell and one small 45 volt "B" battery. Complete kit of parts.

Uses 57 and 2A5 for A.C. or 77 & 41 for D.C. operation. Very sensitive. Has speaker volume. Complete kit of parts.

Uses -80 tube rectifier. Supplies power for the two tube receiver. Complete kit of parts.

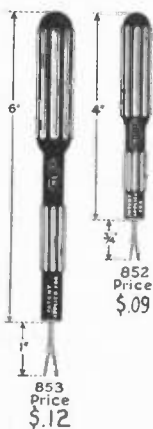
\$10.00
NET

\$12.50
NET

\$7.50
NET

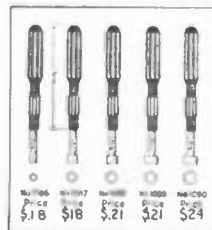
BUD EASY-STARTING

SCREW HOLDER



Cat.	Size	Size of Screw	Price
No.	Dia. Length	No.	
NS2	1/8"x4 1/2" overall	No. 2 to 6 incl	\$.09
NS3	1/8"x7" overall	No. 6 to 12 incl.	.12

BUD SOCKET WRENCHES & BUD SCREW DRIVERS



Sturdy handle 4" long, overall 5" Hard steel wrench.



Built to Last No Tool Kit Complete without one

ARRL PUBLICATIONS

HINTS AND KINKS FOR THE RADIO AMATEUR

Published by the A. R. R. L. (QST)

Information — Ideas — suggestions. Practical tips, hints, stories that worked, money-saving dodges, time-saving formulas. A whole book full of them. It is a compilation of all the best ideas brought under one cover, segregated by subjects, and indexed. An intensely practical booklet, filled with selected material, with dozens of valuable and workable ideas gleaned from the practical station experience of successful amateurs. Chapters on workshop ideas, receivers, transmitters, the phone amateur, QRM elimination, keying, power supply and so on. Eighty pages. Size 8 1/2 x 5 1/2. Paper cover. **\$0c**

RADIO AMATEUR'S HANDBOOK

Approximately 200 pages, 8 1/2 x 5 1/2. Illustrated. NEW 1934—11TH EDITION. Published by American Radio Relay League (QST). More than 100,000 copies sold. This book is referred to as the "Amateur's Bible". Contains everything that a "ham" or a prospective amateur should know. Flexible cover. **\$1.00**

THE RADIO AMATEUR'S LICENSE MANUAL

Published by the A. R. R. L. (QST) New Second Edition

No more worrying about your license exams. This manual is written in clear, concise QST manner to cover every aspect of present-day license procedure. It has been prepared in response to an unintermittent demand for information on how to pass your examinations and apply for licenses. It tells you where to write for forms, how to fill them out, whom to send them to; it contains pertinent radio law, the F.R.C. amateur regulations, the operator regulations, every type of question you will be asked, either for temporary, first class or extra-class amateur tickets. Enable any amateur to qualify for any amateur license. For the phone amateur who wants the unlimited "phone endorsement", it details and explains in full particulars of the special examination for "limited" license. The questions, the answers, the diagrams. Twenty pages—size 8 1/2 x 5 1/2. Paper cover. **25c**

RADIO AMATEUR CALL BOOK

Latest Edition



Contains over 40,000 calls, listing all U.S.A. Amateurs and Foreign Amateurs. High Frequency Commercial Stations. Work Who on Short Waves. Special Stations and Expeditions. International Call Letters. New Prefixes. High Frequency Press. Weather, and Time Signal Schedules. The only accurate Callbook obtainable at any price. Every operator should have a Callbook. **\$1.70**

HOW TO BECOME A RADIO AMATEUR

Published by American Radio Relay League (QST) 32 pages



This book makes it easy for the beginner to begin. Now in its third edition, completely done over in 1934 style, its 32 pages are filled with simple, clearly written material telling how to build the first receiver, a simple transmitter, an inexpensive monitor—in fact, the entire beginner's station. Still the standard elementary guide for the would-be amateur, the simple, inexpensive station described incorporates features which in the past have been confined to the more advanced layouts. References to sources of detailed information on licensing procedure are given, as well as a highly absorbing narrative account of just what amateur radio is and does. **25c**

WALTER ASHE RADIO CO.

4400 DIXIE STREET

ST. LOUIS, MO.

AMERICAN MICROPHONE COMPANY



MODEL "AL"
Duralumin Diaphragm with gold spots under each button. Frequency response from 50 to 7500 cycles. Resistance 200 ohms per button. Code Word "ABMAN"

LIST PRICE \$75.00 Dealers Price \$36.00



MODEL "SD"
Duralumin diaphragm with the gold spots below each button. Frequency response from 50 to 6500 cycles. Resistance 200 ohms per button. Code Word "SID"

LIST PRICE \$50.00 Dealers Price \$24.50



MODEL "CD"
Duralumin diaphragm with gold spots below each button. Frequency response 45 to 4000 cycles 200 ohm resistance. Code Word "ABOWL"

LIST PRICE \$25.00 Dealers Price \$11.45



MODEL "EL"
Duralumin diaphragm with gold spots below each button. Frequency response 50 to 3000 cycles 200 ohms resistance. Code Word "LITER"

LIST PRICE \$10.00 Dealers Price \$ 4.90



MODEL "SJ"
Single Button Carbon diaphragm microphone. Frequency response 70 to 3000 cycles 200 ohm resistance. Code Word "JOHN"

LIST PRICE \$8.00 Dealers Price \$ 3.75

LIFETIME



LIFETIME MODEL NUMBER 6 DOUBLE BUTTON MICROPHONE.
For voice transmission only it cannot be beaten for three times our price. A real quality instrument for hams at the lowest possible price.

Frame—Aluminum, brightly polished, precisely and accurately machined. Diaphragm—Gold alloy, stretched, gold-plated contact buttons, 200 ohms each. Finest carbon granules. Semi-damped. Frequency response—40 to 3500 c.p.s., excellent for voice transmission. Frame is 3 1/4" in diameter, 1 1/4" thick overall. Lugs for spring suspension.

Recommended especially for amateur and public address work.

LIST, \$10.00 . . . OUR SPECIAL TRADE PRICE . . . \$2.95

LIFETIME MODEL NUMBER 88 DOUBLE BUTTON MICROPHONE.

Our biggest bargain in a general purpose microphone. Model No. 88 has the quality workmanship, the scientific design and the rugged strength to give longer and more satisfactory service.

Beautifully Chrome-plated frame, accurately machined to close limits, 3 1/4" in diameter, 2" thick overall, weighs 3 1/2 pounds. Gold spotted duralumin diaphragm, very sensitive, special stretch ring arrangement. Gold contact buttons of 200 ohms each. Scientifically damped. Low level of carbon hiss. Practically flat curve of response over the entire voice and musical range. 30—7500 c.p.s. within 4 D. B.

LIST, \$20.00 . . . OUR SPECIAL TRADE PRICE . . . \$5.95



SPECIAL STAND
For Small Microphones

ALUMINUM FRAME NET \$1.47
CHROME PLATED " 2.05
CHROME, WITH COVERS 3.25
ALL ARE COMPLETE WITH SPRINGS.

UNIVERSAL
BANQUET STAND

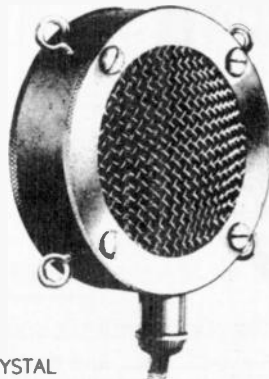
LIST \$10.00 Net \$6.15



ASTATIC MICROPHONE LABORATORY

Net \$14.70

The new!
PIEZO-ASTATIC



CRYSTAL MICROPHONE

MODEL D-104

DIRECTIONS FOR INSTALLATION

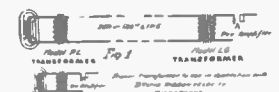
The D-104 microphone may be connected direct to grid and ground of the amplifier input tube as illustrated by the fundamental circuit shown in figure 1. This is possible due to its high impedance, approximately 80,000 ohms at 60 cycles. It may also be matched with a transformer to low impedance inputs. When connected direct to grid it is important that a parallel resistance or grid leak of not less than 5 Megohms be used. A resistance of lower value would seriously impair the low frequency response.

Transformer matching as shown in figure 3 is recommended where it is desired to use a cable of more than 30 ft in length between the microphone and amplifier. The winding next to the microphone should have an impedance of approximately 100,000 ohms. It is also important to note that no D. C. voltage should appear across the crystal, as this would surely cause damage to the instrument. When connecting in the cathode circuit, an isolating condenser must be used, as illustrated in figure 2.

When using the microphone near strong RF, the cable must be as short as possible to avoid pickup. The output level is approximately -60 D. B. and we recommend a 3 stage amplifier as indicated in figure 4, the output of which will prove quite adequate for most public address work. If more gain is required, one additional stage, using a 56 tube may be added or the first stage 56 as shown in figure 4 may be transformer coupled to the succeeding stage. The fader should have a resistance value of 5 Megohm each side of the center tap.



	LIST	DEALER'S PRICE
Bruno Superior Ribbon microphone: KN-AR-1	\$10.00	\$5.88
Bruno Superior Ribbon microphone, assembled AR-2	20.00	11.76
Transducers for Bruno Superior ribbon microphone		
RL—Ribbon to line	5.50	3.24
LG—line to grid	5.50	3.24
RG—Ribbon to grid	5.50	3.24
Replacement ribbon	1.25	.74
Supersensitive ribbon	1.75	1.03



Responds uniformly to range of 10 to 14,000 cycles. Free from resonant peaks. Because it generates its own current, its operation is absolutely sure: NO HISS No rush. Its directional quality makes it easy to eliminate acoustic feed back. Can be used at a distance from preamplifier.



BRUNO CONDENSER "MIKE KIT"

LIST . . . \$5.00
Dealer's Price . . 2.94
Complete with Easy Method of Assembly

COMPLETELY FACTORY ASSEMBLED

LIST . . . \$10.00
Dealer's Price 5.95

NO HISS . . . NO NOISES

The Human Voice Comes Thru Lifelike

Just listen to a Bruno! A clear tone, free from hisses and other noises. "MISSISSIPPI" comes thru undistorted (not Missy-popy). Overtones and coloring are reproduced perfectly, giving the human voice its natural lifelike quality.

Operates with full efficiency in frigid north or in the tropics. Not affected by altitude or humidity. In fact, it can be dropped into water without danger. Rugged construction insures operation even if handled roughly or dropped.

FLOOR STANDS

(Adjustable)

Also Models for Condenser Microphones



NET \$15.00

Mike Springs

NET EACH .04

Rubber Covered, Microphone Cable



NET PER FOOT .04

Belden Shielded Microphone Cable

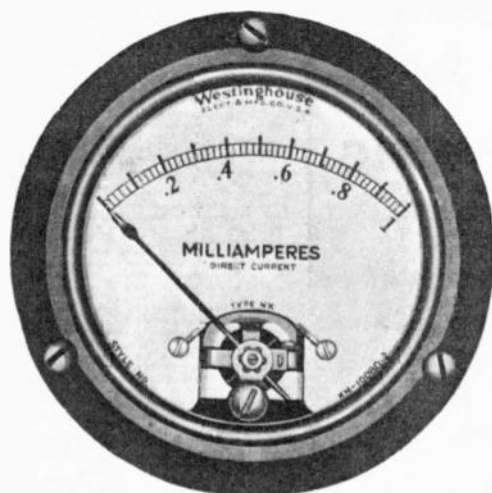


Standard 3 conductor shielded outer covering Brown cotton braid.

No. 8875 NET PER FOOT \$.06

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

Westinghouse Radio Instruments



D-C. MILLIAMMETERS

Rating	Resistance, Approx. Ohms.	WEIGHT		TYPE NX		List Price Symbol AC	Dealer Net Cost
		Net	Shipping	Style No.			
0-1 $\frac{1}{2}$	110	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820207		\$10 00	\$ 7 50
0-1.5	61	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820208		10 00	7 50
0-2 $\frac{1}{2}$	46	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820209		10 00	7 50
0-3 $\frac{1}{2}$	16.2	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820211		10 00	7 50
0-5 $\frac{1}{2}$	10.1	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820213		9 00	6 75
0-10 $\frac{1}{2}$	2.3	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	818924		9 00	6 75
0-15 $\frac{1}{2}$	2.4	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820216		9 00	6 75
0-20 $\frac{1}{2}$	1.7	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820217		9 00	6 75
0-30 $\frac{1}{2}$	1.67	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820219		9 00	6 75
0-50 $\frac{1}{2}$	1.00	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820221		9 00	6 75
0-100 $\frac{1}{2}$	0.50	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820224		9 00	6 75
0-150 $\frac{1}{2}$	0.33	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820225		9 00	6 75
0-200 $\frac{1}{2}$	0.25	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820226		9 00	6 75
0-300 $\frac{1}{2}$	0.17	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820228		9 00	6 75
0-500 $\frac{1}{2}$	0.10	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820230		9 00	6 75
0-800 $\frac{1}{2}$	0.062	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820232		9 00	6 75

TYPE NX UNIVERSAL RECTOX INSTRUMENT

For A-C., D-C., and Resistance Measurements
Supplied with knife-edge pointer

Description	Style No.	List Price	Dealer Net Cost
Type NX Instrument only for self-contained ranges*	836736	\$19 00	\$14 25

*Dial markings consist of 4 scales 0-100 d-c.; 0-100 a-c.; 0-5 a-c.; and 0-100,000 ohms. The instrument is self-contained for 0-1 milliamp., d-c.; 0-1 milliamp., a-c.; 0-100 millivolts, d-c.; and 0-5 volts, a-c. The resistances of the instrument are 100 ohms on d-c., and 5000 ohms on a-c.

RESISTORS FOR VOLTAGE MEASUREMENTS

Description	Style No.	List Price	Dealer Net Cost
Complete set of resistance spools on Micarta strip with taps, to obtain 0-1-5-10-50-100-200-500-1000 volts, d-c., and 0-10-50-100-200-500-1000 volts, ac.	837435	\$ 11 00	\$ 8 25
900-ohm resistance spool	837411	62	47
4000-ohm resistance spool	837412	71	53
5000-ohm resistance spool	836935	75	56
40,000-ohm resistance spool	836938	86	65
50,000-ohm resistance spool	836934	97	73
100,000-ohm resistance spool	836183	1 07	80
300,000-ohm resistance spool	837413	2 16	1 62
500,000-ohm resistance spool	837414	2 16	1 62

VOLTMETERS

Alternating-Current

Capacity	Ohms Total Resistance	Style No. Flush Mounting	List Price Discount Symbol AC	Dealer Net Cost
10	97	830112	9 00	\$ 6 75
15	182	830113	9 00	6 75
25	500	830114	9 00	6 75
75	4870	830115	9 00	6 75
150	16550	830116	11 25	8 44

Special Note:

Type CA Instruments can be supplied with cases and dials to match type NX instruments at these same prices.

RADIO-FREQUENCY AMMETERS

Self-Contained

Rating Amperes, R. F.	WEIGHT		TYPE NX		List Price Symbol AC	Dealer Net Cost
	Net	Shipping	Style No.			
0-1	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820270		\$16 00	\$12 00
0-1.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820271		18 00	12 00
0-2	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820272		18 00	12 00
0-3	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820274		18 00	12 00
0-5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	818928		18 00	12 00
0-6	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820276		18 00	12 00
0-8	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820277		18 00	12 00
0-10	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820278		18 00	12 00
0-15	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820279		18 00	12 00
0-20	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	820280		18 00	12 00

VOLT-OHM METERS

DIAL CALIBRATION		D-C. Volts Required	WEIGHT		TYPE NX		List Price Symbol AC	Dealer Net Cost
Volts	Ohms		Net	Shipping	Style No.			
0-1.5	0-1000	1.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836193		\$ 10 50	\$ 7 87
0-1.5	0-3000	1.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836194		10 50	7 87
0-4.5	0-10000	4.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836195		10 50	7 87
0-4.5	0-30000	4.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836196		11 50	8 63
0-4.5	0-100000	4.5	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836197		13 50	10 13
0-15	0-500000	15	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836198		13 50	10 13
0-90	0-2000000	90	9 $\frac{1}{2}$ oz.	1 $\frac{1}{2}$ lb.	836199		15 00	11 25

Prices are subject to change without notice.

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

BEEDE PRECISION ELECTRICAL INSTRUMENTS

The new line of Beede D'Arsonval type of moving coil meters listed in this bulletin possess the two vital factors which must appeal to every user of this style of instrument.

The first and most important is quality and efficiency. The improved design of the moving coil assembly permits a greater simplicity of construction than has heretofore been possible in the art. This results in unusual ruggedness, high accuracy and freedom from interference of dust and foreign matter. The meter is perfectly balanced in all positions, and the moving system is exceptionally well damped. From the mounting of the sapphire bearing to the construction of the magnet, the materials, workmanship and design conform to the highest quality and most improved practice. Accuracy is guaranteed within 2%.

MODEL 701 PANEL INSTRUMENTS — FLUSH TYPE

D.C. MILLIAMETERS

RANGE	DIVISIONS	LIST	NET
0-1	50	\$6.00	\$3.60
0-1.5	60	6.00	3.60
0-2	40	6.00	3.60
0-3	60	6.00	3.60
0-5	50	4.75	2.85
0-10	50	4.75	2.85
0-15	60	4.75	2.85
0-20	40	4.75	2.85
0-25	50	4.75	2.85
0-30	60	4.75	2.85
0-50	50	4.75	2.85
0-100	50	4.75	2.85
0-150	60	4.75	2.85
0-200	40	4.75	2.85
0-250	40	4.75	2.85
0-300	60	4.75	2.85
0-500	50	4.75	2.85
0-800	40	4.75	2.85
0-1000	50	4.75	2.85



3 1/4 inches diameter

ALL SIZES
IN STOCK!

A.C. VOLTMETERS

RANGE	DIVISIONS	LIST	NET
0-3	56	\$4.75	\$2.85
0-10	45	4.75	2.85
0-15	50	4.75	2.85
0-150	50	5.75	3.45

VOLT-OHMETER SCALES
For Beede 0 - 1M.A.
Milliammeter



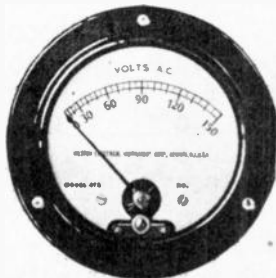
NET PRICE \$.75

Weston Radio Instruments

MODEL 301

D.C. MILLIAMMETERS

	NET
0-1	\$7.50
0-10	6.75
0-15	6.75
0-25	6.75
0-50	6.75
0-100	6.75
0-150	6.75
0-200	6.75
0-250	6.75
0-300	6.75
0-500	6.75



MODEL 476

A.C. VOLTMETERS

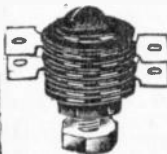
	NET
0-3	\$6.75
0-15	6.75
0-150	8.45

MODEL 425

THERMO-AMMETERS

	NET
0-1	\$12.00
0-1.5	12.00
0-2	12.00
0-3	12.00
0-5	12.00

'CRS' METER RECTIFIER Copper Oxide—Full Wave



Converts a D.C. milliammeter to an accurate A.C. voltmeter. Single meter analyzers are now entirely practical and satisfactory due to this new unit. Its many uses are too numerous to mention in this limited space,

but are apparent to the service man and experimenter. Cut shows actual size and ease with which it may be mounted. Each "CRS" rectifier undergoes rigid laboratory tests before it is released and is guaranteed to be perfect. When its rating of 15 M.A. is not exceeded, its life is indefinite. Full instructions, circuits and all necessary information regarding its many uses are sent with each unit.

NET PRICE \$2.10

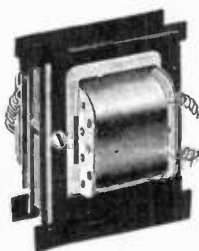
WALTER ASHE RADIO CO.

1100 PINE STREET * * * ST. LOUIS, MO.

WALTER ASHE

TRANSFORMERS

TYPE E300		PLATE TRANSFORMERS				TYPE F100	
Type Number	Primary Voltage	Secondary Voltage		Amps.	Watts	Your Cost	List Price
S700	112	5000 - 6000	ct	.300	900	\$22.50	\$37.50
S701	112	3000 - 4000	ct	.400	800	\$18.00	\$30.00
E300	112	3000 - 4000	ct	.500	1000	\$19.50	\$32.50
E301	112	3000 - 4000	ct	.300	600	\$15.90	\$26.50
E302	112	2000 - 3000	ct	.300	450	\$13.50	\$22.50
E303	112	1200 - 1600	ct	.200	160	\$ 9.00	\$15.00
E200	112	960	ct	.200	100	\$ 4.50	\$ 7.50
E201	112	1300	ct	.160			
		7.5	ct	2.5			
		5.0	ct	3.0	140	\$ 9.00	\$15.00
E202	112	1200	ct	.130			
		7.5	ct	2.5			
		5.0	ct	3.0	120	\$ 7.20	\$12.00
E203	112	1100	ct	.100			
		7.5	ct	2.5			
		5.0	ct	3.0	90	\$ 4.95	\$ 8.25
E204	112	3800	ct	.750	2900	\$39.00	\$65.00
E205	112	3700	ct	.250	475	\$16.50	\$27.50
E206	112	1000	ct	.150	80	\$ 8.10	\$13.50



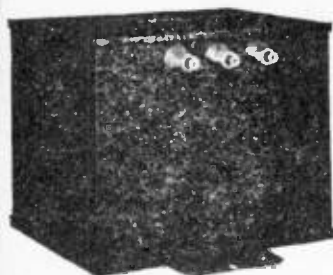
FILAMENT TRANSFORMERS

Type Number	Primary Voltage	Secondary Voltage		Amps.	Insul ation	Your Cost	List Price
F100	112	5.0	ct	20.0	10000	\$ 8.10	\$13.50
F101	112	2.5	ct	10.0	10000	\$ 3.00	\$ 5.00
F102	112	2.5	ct	5.0			
		2.5	ct	5.0			
		2.5	ct	5.0	10000	\$ 4.20	\$ 7.00
D500	112	5.0	ct	4.0	3000	\$ 2.40	\$ 4.00
D501	112	7.5	ct	5.0	3000	\$ 3.00	\$ 5.00
W600	112	14.0	ct	6.0	3000	\$ 3.00	\$ 5.00
W601	112	12.0	ct	13.0	3000	\$ 5.40	\$ 9.00
W602	112	12.0	ct	8.0	3000	\$ 3.60	\$ 6.00



Note: We will bring out other taps from the high voltage windings at an extra cost of \$.18 net per pair,

DON'T FORGET: This is the transformer you have been waiting for.

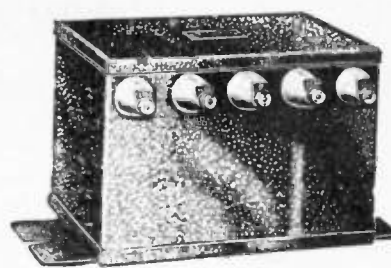


Types 4450, 4455 and 4460

THORDARSON

Plate Supply Transformers

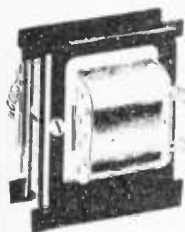
For Many years Thordarson has been the leading transformer for the Ham, and again after many months of painstaking research Thordarson once more offers the Ham a new and complete transmitting power equipment, including plate and filament transformers, chokes and low power reactors.



Types 2388A and 2389A

Type	Height	Width	Weight Lbs.	Primary Volts	Primary Fuse 110-V.	Secondary Volts	Secondary Watts	List Price	YOUR COST
4450	6 1/8"	5 1/8"	20	110-220	3 Amp.	500*	100	\$20.00	\$11.76
4455	7 1/4"	9"	47 1/2	110-220	10 Amp.	2000*	500	35.00	20.60
4460	10"	12"	110	110-220	25 Amp.	2000*	1500	85.00	49.95
2387A	7 1/2"	7 1/2"	20	110	10 Amp.	1000-1500	300	19.00	11.15
2388A	10"	7 1/4"	27	110	10 Amp.	1500-2000	500	25.00	14.70
2389A	8 1/2"	6 1/2"	54	110	20 Amp.	1500-2000	1000	30.00	17.60

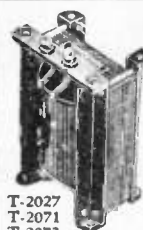
*Voltage delivered out of filter.



FRANKLIN #515 FILAMENT TRANSFORMER

2 windings 2 1/2 V. @ 10 A. 5 V. @ 3 A.

NET \$ 1 25



Filter Reactors

1.5 Henry Choke, 200 mhs, 1600 V. insulation. Filter choke in key circuits.

T-2376—List Price, \$5.00

T-2027
T-2071
T-2073

Your Cost, \$2.94

T-2353—A single open-frame choke, 6 henry, 150 M.A. D.C. Resistance, 100 ohms, 3000 volt insulation. Dimensions: 3" x 3 1/4" x 3 1/4" high.

List Price, \$7.50

Your Cost, \$4.41

T-2071—A single open-frame choke, 30 henry, 150 M.A., D.C. Resistance, 290 ohms, 3000 volt insulation. Dimensions: 2 3/4" x 3 1/2" x 6" high.

List Price, \$10.00

Your Cost, \$5.88

T-2027—A single open-frame choke, 30 henry, 300 M.A., D.C. Resistance, 160 ohms, 3000 volt insulation. Dimensions: 5" x 3 1/2" x 8" high.

List Price, \$13.50

Your Cost, \$7.94

T-2073—A single open-frame choke, 30 henry, 500 M.A., 3000 volt insulation. Dimensions: 4 1/2" x 5 1/2" x 9 1/2" high.

List Price, \$17.50

Your Cost, \$10.00

Plate Supply Transformers

T-2098—A conservatively rated transformer with high voltage winding of 550 volts each side of center tap, and two 7 1/2 volts, 2 1/2 amp. filament windings. Primary: 110 volts, 60 cycles. Cool in operation. Size: 4 1/2" x 5 1/4" x 5 1/4". 13 3/4 lbs.

List Price, \$9.00.

Your Cost, \$5.29

T-2387A—Similar to above with following specifications — Primary: 110 volts, 50-60 cycles. Secondary: 1000 and 1500 volts each side of center tap. Capacity: 300 V.A. Dimensions: 7 1/2" x 5 1/4" x 7 1/2" high. 20 lbs.

List Price, \$19.00

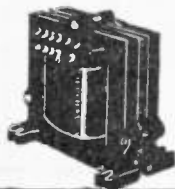
Your Cost, \$11.17



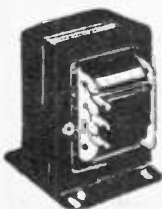
THORDARSON

Uncased Equipment

THORDARSON PLATE TRANSFORMERS,
800 V. each side C.T. at 150 M.A.
NET EACH #5448 \$4.67



THORDARSON 15 HENRY 250 M.A.
CHOKES. NET EACH \$2.98
#5450



FILAMENT TRANSFORMER

#5455

FOR TWO 866's

2 1/2 V. @ 10 I/2 A.

NET \$1.68

WALTER ASHE RADIO CO.
1100 PINE STREET " " " " ST. LOUIS, MO.

AMPEREX

TRANSMITTING TUBE

—GENERAL RATING—

TYPE	PURPOSE OR USE	FILAMENT		MAX. PLATE VOLTS	MAX PLATE DISSIPATION	NORM R F OUTPUT WATTS
		VOLTS	AMPS			
242A	OSC & AMPL	100	3.25	1250	125 W	100 W.

242-A

12.50

TRIAD.

TRIAD 866

SUPERIOR CONSTRUCTION OF THE ENVELOPE DOES AWAY WITH LEAKAGE. RUGGED FILAMENT DESIGN AND PLATE CONSTRUCTION EQUAL TO NONE.

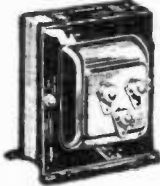
RATING. PEAK INVERSE, 7500 V. NORMAL DRAIN, .6 AMPS. FILAMENT, 2 1/2 VOLTS AT 5 AMPS.



866

Net each

\$3.36



Thordarson

Class B Modulators

T5100—Plates of Push Pull 245 tubes to grids of two Class B 210 tubes.
List.....\$5.00 Net each.....\$2.94

T5101—Plates of two 210 tubes Class B to a tapped secondary working into either 2500 or 5000 ohm load.
List.....\$6.00 Net each.....\$3.53

ARRL PUBLICATIONS

QST.....\$.25

THE HANDBOOK\$1.00

LOG BOOK \$.40 EA. 3 FOR..\$1.00

MESSAGE BLANKS \$.35 EA.

OR 3 FOR.....\$1.00

HINTS AND KINKS.....\$.50

LICENSE MANUAL.....\$.25

HOW TO BECOME A RADIO
AMATEUR..\$.25

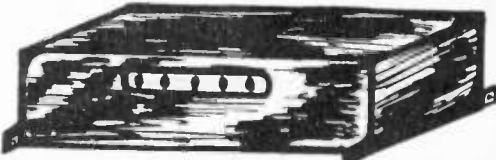
FLECHTHEIM

SUPERIOR CONDENSERS

FOR TRANSMITTERS AND AMPLIFIERS

These Condensers are very conservatively rated for continuous duty. Made of the finest of materials and workmanship. Equipped with high grade porcelain insulators. The guarantee of the Flechtheim name is your assurance that you cannot find better condensers anywhere, at any price.





Type TC: 1000 Volts D.C., 750 Volts Rectified

TC1001 mfd.....\$3.50 \$1.89

TC2002 mfd.....6.00 3.24

TC4004 mfd.....11.00 5.94

Type T: 1500 Volts D.C., 1000 Volts Rectified

T1001 mfd.....4.50 2.43

T2002 mfd.....8.00 4.32

T4004 mfd.....14.00 7.56

Type TH: 2000 Volts D.C., 1600 Volts Rectified

TH1001 mfd.....9.00 4.86

TH2002 mfd.....15.50 8.37

TH4004 mfd.....27.50 14.85

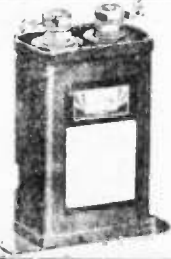
Type HP: 3000 Volts D.C., 2200 Volts Rectified

HP1001 mfd.....18.50 9.99

HP2002 mfd.....32.00 17.28

HP4004 mfd.....60.00 32.40

BARGAIN CONDENSER BLOCK
1000 V.D.C. 4 SECTIONS
13 MFD. TOTAL. FULLY GUAR-
ANTEED. \$3.00



DUBILIER

Type TD Transmuting Paper Condensers
Vegetol Impregnated. Vegetol Filled

1000 Volts D.C. Working

LIST NET

TD-10010 1 MF 2 3/4" 1 1/16" 1 1/16" \$2.50 \$1.50

TD-10020 2 MF 4" 1 3/16" 1 1/16" 4.50 2.70

TD-10040 4 MF 4 1/4" 1 3/16" 1 1/16" 7.00 4.20

1500 Volts D.C. Working

TD-15010 1 MF 2 3/4" 1 3/16" 1 1/16" 3.75 2.25

TD-15020 2 MF 4 1/4" 1 3/16" 1 1/16" 6.25 3.95

2000 Volts D.C. Working

TD-20010 1 MF 4 3/4" 1 3/16" 1 1/16" 5.25 3.15

TD-20020 2 MF 4 3/4" 1 3/16" 1 1/16" 8.00 4.80

TD-20040 4 MF 4 3/4" 1 3/16" 1 1/16" 15.00 9.00



BE SURE!—and you are sure with the Bliley BC3 crystal, illustrated above. This is the new shaped X-cut crystal which is mounted in the new molded bakelite holder. This unit incorporates tube-pin plug-in and features the exposed heat "radiating" electrode. The BC3 is a thoroughly reliable crystal, having increased efficiency, stability and accuracy.

40, 80, 160 Meter crystals, supplied to your EXACT specified frequency in Kcs, and temperature, for **\$6.85**

Supplied within 5Kcs of specified frequency **\$5.75**

Choice from dealer's stock, or within 25Kcs **\$4.95**

20 Meter crystals, type BC3, supplied within 50Kcs of specified frequency, for **\$9.85**

Note: Each BC3 calibration is within 0.03%.

BLILEY

We...
have...
a...
complete
stock...
of...
Crystals

BLILEY CRYSTAL HOLDER

A molded bakelite crystal holder scientifically designed for greatest efficiency. Tube socket plug-in. Two types: for 20-40M., or 80-160M., **\$1.50**



BLILEY BC2 HOLDERS—

Round, black, molded bakelite holders with tube-pin plug-in for any 5-prong socket. Chromium-plated electrodes with variable spring tension. Designed for inch square quartz crystals.

For 20-40 meter crystals **\$1.50**

For 80-160 meter crystals **\$1.50**

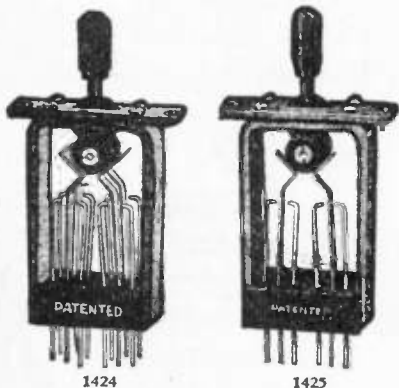
BLILEY BCX CRYSTALS—

These are the standard Bliley X-cut, inch square, power-type quartz crystals. Calibration within 0.05%. Fits into BC2 mounting.

Choice from dealer's stock in the 40, 80, and 160 meter bands.

Unmounted, each **\$3.90**

Federal Anti-Capacity Switches



1424

1425

No. 1424—4 P.D.T., 12-spring—List, each, \$2.90
YOUR COST, \$1.70

No. 1425—D.P.D.T., 6-spring—List, each, \$2.45
YOUR COST, \$1.45

EASTERN COIL CO.

CRYSTAL HOLDER

... This Plug-in Dust Proof Quartz Crystal Holder is ideally suited for the amateur and broadcast transmitters. It has been designed for use with crystals ranging from one-fifth to six millimeters in thickness (20-600 meters).

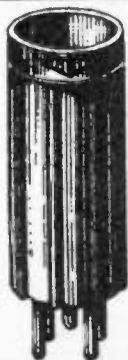


Standard G.K. tips are used spaced $\frac{3}{4}$ " to fit a standard G.R. connector.

Type "A"—Measures $1\frac{1}{32}$ " square inside. Overall dimensions $2\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{1}{8}$ ".

Type "B"—Measures $1\frac{1}{8}$ " square inside. Overall dimensions $2\frac{3}{8}$ " x $1\frac{3}{8}$ " x $\frac{1}{8}$ ".

Both types, each..... **\$1.75**



PLUG-IN COIL FORMS

Made of Special Low Loss Bakelite, have standard Base to fit either 4, 5 or 6 Prong Sockets. Winding space on coil form $2\frac{1}{2}$ " and has an extended ridge on top so that coil form can be handled without having to take hold of the windings. Outside diameter of COIL FORM is $1\frac{1}{2}$ " and has 8 ribs on the surface to permit Low Loss Air Core windings. Coil Forms can be supplied in the following colors: BROWN, BLACK.

Amateurs who prefer to wind their own coils will be pleased with this coil form.

Cat. No. 125
4 Prong Coil Form
Brown, Black.

YOUR COST **21c**

Cat. No. 126
5 Prong Coil Form
Brown, Black,

YOUR COST **21c**

Cat. No. 310
6 Prong Coil Form
Brown, Black,

YOUR COST **24c**

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

ANTENNA

LYNCH

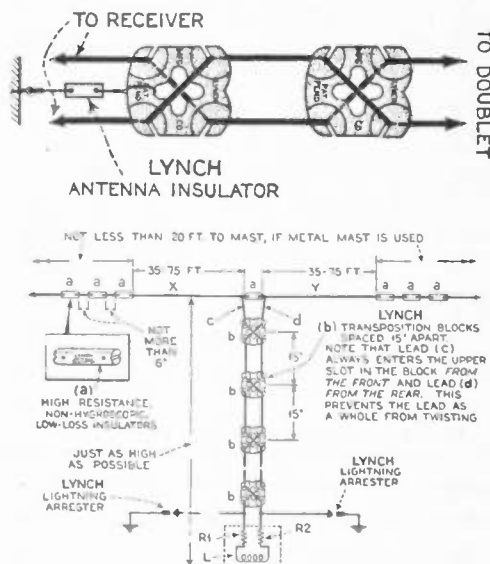
SYSTEM



LYNCH SHORT WAVE ANTENNA KIT
NET \$3.53

• FOR •
ELIMINATING
NATURAL
AND
MAN MADE
STATIC

100%
OK!



TRANSPOSITION BLOCKS

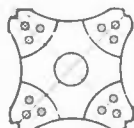
KITS OF 10

LIST \$2.75 Net \$1.62

CAGE AERIAL SPREADERS

KITS OF 10

LIST \$2.75 NET \$1.62



HIGH QUALITY PORCELAIN Stand-Off Insulator



An item of many uses: Supports Lead-ins; R. F. Leads; Power Supply Leads; Condensers; Choke Coil and Tuning Coil Mountings. Greater strength and finer appearance than other makes because of new type insulation used. Brass fittings. Glazed finish.

Your Cost,
9¢ each
\$1.00 per doz.

MIDGET Stand-Off Insulator

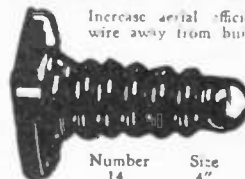
Used for same general purposes as our No. 401, but is smaller, slightly shorter and can be used to advantage where space is a factor. Black glazed finish.

Your Cost, 7¢ each
.75 A DOZ.



Stand-Off Insulators

Increase aerial efficiency by keeping lead-in wire away from building. No. 14 made of one-piece porcelain. No. 8 has heavy metal base. Mounting screws furnished. Each insulator in a separate carton.



Number	Size	List Price Each	YOUR COST
14	4"	\$.25	\$.15
8	8"	1.00	.59

MIDGET Stand-Off Insulator

#403	3/4 in. high	net ea. .06	per doz..60
#404	5/8 in.	net ea. .05	per doz..50

Bakelite Tubing

(Cut to Order, Wall Thickness 1/8")

Outside diameter	YOUR COST per linear inch
1" or 1 1/4"	\$0.04
1 1/2" or 1 3/4"	.06
2" or 2 1/4"	.07
2 1/2" or 2 3/4"	.08
3" or 3 1/4"	.09
3 1/2" or 3 3/4" or 4"	.10



NEON GLOW LAMPS

Made by General Electric Co., Type G-10. Standard base. 101 uses.

NET ea. \$.40

Bakelite Rods (Round)

Diameter
1/4"

YOUR COST
per foot
\$0.36



G.R. Jacks
Net
Each
\$.07



G.R. Pins
Net
Each
\$.07



WALTER ASHE RADIO CO.

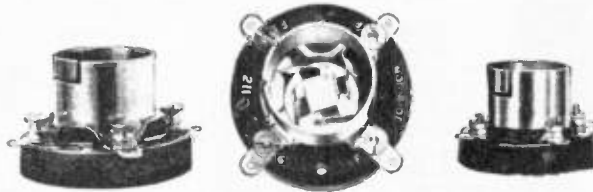
1100 PINE STREET ST. LOUIS, MO.

E.F. JOHNSON COMPANY

MANUFACTURERS OF
RADIO
TRANSMITTING EQUIPMENT

TRANSMITTING TUBE SOCKETS

Our No. 211 socket is for "50 watt" tubes of various types, including rectifiers. The exclusive dual phosphor bronze contacts were designed especially for heavy duty, tube failures due to high contact resistance to filament prongs being eliminated. Contacts and soldering terminals are formed in one piece and cadmium plated. Heavy binding posts, highly polished nickel plated brass shell, and high quality glazed porcelain base complete a superior socket.



Before introducing our No. 210 socket, it was necessary to use receiver type tube sockets for such transmitting tubes as '52, '10, etc. It is very desirable to have sockets which will hold such tubes by their bases rather than by the prongs only, since the tubes cannot work loose even with severe handling. The improved contact is especially valuable with '66 rectifiers. The 210 socket should be used for all UX base tubes with bayonet prongs.

No. 211 50 WATT SOCKET, list price **\$2.00** ^{NET} **\$1.25** No. 210 UX BASE SOCKET, list price **\$1.25** ^{NET} **\$.75**



No. 120 Antenna Insulator, 20" long, list price **\$1.00**

NET \$.60

NO. 30 FEEDER SPREADER

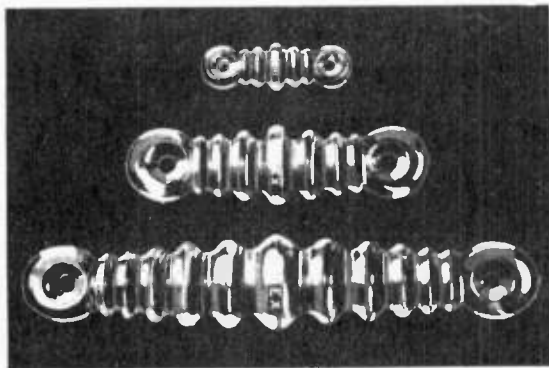


NET \$.18



No. 60 STAND-OFF INSULATOR, list price **\$.50** **Net \$.33**

PYREX RADIO INSULATORS



	Broadcast Reception Insulators	Amateur Transmitting Insulators
Number	67007	67017
Length (overall)	3 3/4 in.	7 1/4 in.
Developed leakage path	3 1/16 in.	6 in.
Average flashover value (Kv.) Wet	22.5	32
Average flashover value (Kv.) Dry	38	75
Weight	3 oz.	13 1/2 oz.

#67007 **NET \$.18**
#67017 **.68**

PYREX
LEAD
IN
BOWLS



67104-67105

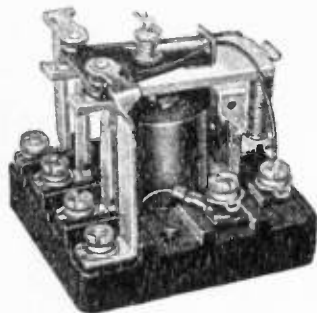
Number	Length Over-all	Outside Diameter
67104	15"	2 1/2"
67105	20"	2 1/2"

#67104 **NET \$ 1.50**
#67105 **1.60**

WALTER ASHE RADIO CO.
1100 PINE STREET " " " " ST. LOUIS, MO.

WARD LEONARD ELECTRIC CO.

Midget Magnetic Relays

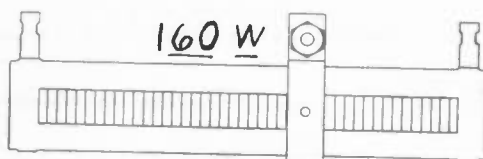


Description	Catalog Number	Pole	Throw	Break	Normally	Volts		Net
						A.C. 60 Cycle	D.C.	
For Mercury Vapor Rectifiers.....	507-501	S. P.	S. T.	S. B.	Open	110		\$ 9.00
For Remote Control	507-503	D. P.	S. T.	S. B.	Open	6 to 8		4.80
For Remote Control	507-504	D. P.	S. T.	S. B.	Open		6 to 8	4.80
For Remote Control	507-505	D. P.	D. T.	S. B.		6 to 8		5.40
For Remote Control	507-506	D. P.	D. T.	S. B.			6 to 8	5.40
For Keying.....	507-507	S. P.	S. T.	D. B.	Open		2.5	4.20
For Keying.....	507-508	S. P.	S. T.	D. B.	Open		6 to 8	4.20
For Crystal Oven....	507-509	S. P.	S. T.	D. B.	Open		110	4.20
For Remote Control	507-510	S. P.	S. T.	D. B.	Open	110		4.20
For Remote Control	507-511	D. P.	D. T.	S. B.		110		5.40

Vitrohm Transmitting Grid Leak Resistors

Tube	Cat. No.	Resis. Ohms	Current m. a.	Code Word	Price	Net
'10	507-8	10,000	50	Rabacheur	\$1.00	\$.60
'45	507-68	50,000	10	Rabiscamos	1.70	1.02
'52	507-204	15,000	40	Rastrillad	1.60	.96
'11	507-8	10,000	50	Rabacheur	1.00	.60
'03A	507-202	10,000	60	Rastiatura	1.10	.66
'04A	507-51	10,000	100	Rabelico	3.00	1.80

Vitrohm Resistors with Bare Side for Adjustment



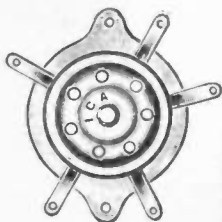
8 1/2" D

160 Watt

OHMS	LIST	NET
5,000	\$ 1.75	\$ 1.05
10,000	1.85	1.11
15,000	2.00	1.20
25,000	2.15	1.29
35,000	2.25	1.35
50,000	2.40	1.44
80,000	2.40	1.44
100,000	2.40	1.44

Vitrohm Stabilizing or Bleeder Resistors

Output Voltage	Catalog No.	Units in Series	Resistance Ohms	Current m. a.	Code Word	Price	Net
500	507-65		25,000	20	Rabiateu	\$1.25	\$.75
1000	507-65-2	2	50,000	20	Rabigalgo	2.50	1.50
1500	507-65-3	3	75,000	20	Rabilargo	3.75	2.25
2000	507-65-4	4	100,000	20	Rabisaca	5.00	3.00
3000	507-65-6	6	150,000	20	Rabitate	7.50	4.50



I. C. A. INSULEX SOCKETS

FOR BASE MOUNTING

No.	prong	List	NET
290.	4 prong	\$.50	\$.30
291.	5 prong	.50	.30
292.	6 prong	.55	.33
293.	7 prong large	.55	.33
294.	7 prong small	.55	.33



I. C. A. INSULEX COIL FORMS

No.	prong	List	NET
No. 952	4 prong	\$.50	\$.30
No. 953	5 prong	.55	.33
No. 954	6 prong	.60	.36
No. 955	7 prong	.65	.39

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

TRANSMITTING KEYS

WIRELESS KEYS



R-48 KEY

R-48 KEY

The beginner in the field of wireless approves this $\frac{1}{4}$ K. W. Key for its desirability and inexpensiveness. It is well made with polished lacquer parts. Contact points are platinum.

List \$2.50
Net \$1.47



STANDARD KEY

STANDARD KEY

This standard wireless key is designed to carry heavy currents. All brass construction with polished lacquer finish. Has brass base. Furnished with $\frac{1}{16}$, $\frac{1}{8}$ or $\frac{3}{16}$ -inch coin silver contacts.

R-62— $\frac{1}{16}$ " contacts. List \$3.50 Net \$2.05
R-63— $\frac{1}{8}$ " contacts. List \$3.70 Net \$2.21
R-64— $\frac{3}{16}$ " contacts. List \$3.90 Net \$2.30

HIGH FREQUENCY BUZZER



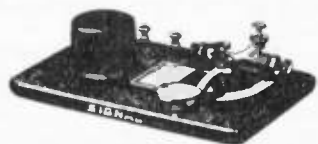
R-60

R-60 BUZZER

The R-60 high frequency buzzer is the same type used on the R-68 Wireless Practice Set. It is adjustable and has a standard resistance of 2 Ohms. Finish is black crystalized lacquer.

List \$1.25
Net \$.73

WIRELESS PRACTICE SETS



R-68

R-68 PRACTICE SET

Designed for those who want a well made instrument to learn the code. Set consists of a key and high frequency buzzer mounted on a mahogany finished wood base equipped with binding posts. The code is printed on a plate and fastened to the base between the key and buzzer. Buzzer is adjustable.

List \$3.00
Net \$1.80

TELEGRAPH INSTRUMENTS

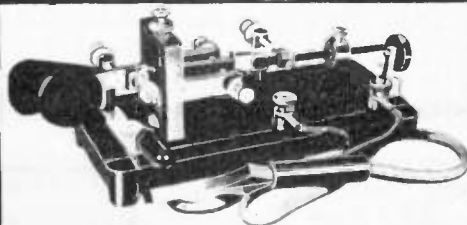
112-K KEY

This key is designed for learners who want something that is scientifically correct but moderate in price. Has black enamel metal base and is mounted on a mahogany finished wood base. Key and switch levers are nickel plated. Contact points are platinum.

List \$2.00
Net \$1.20



112-K KEY

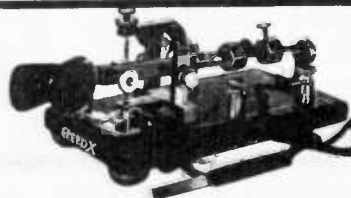


Model 510

JUNIOR HI-SPEED KEY—

A smaller model of our favorite No. 500 Hi-Speed Key. Adjustable to give plenty of pep and life. It will increase the speed of any operator

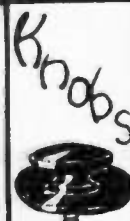
No. 510. List Price \$9.50
Net \$5.75



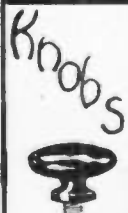
Model 500 HI-SPEED KEY—

Adjustable from 8 words per minute to as high a rate as desired. Standard construction used throughout. Solid coin silver contacts. Heavy construction will hold adjustment at all speeds.

No. 500. List Price \$12.50
Net \$7.75



No. 351
NAVY TYPE
NET 35¢



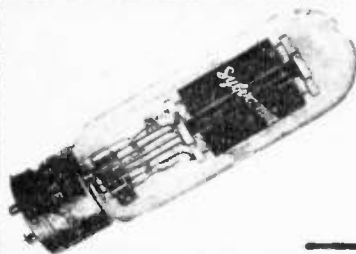
No. 350
PLAIN BLACK
BAKLITE
NET 15¢

Get
in
Step
use
Speed-x

WALTER ASHE RADIO CO.

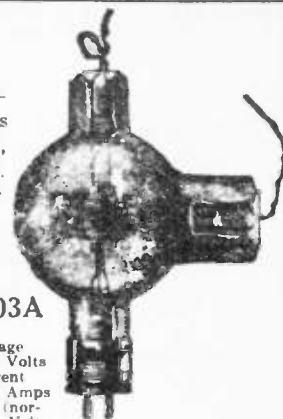
1100 PINE STREET • • • ST. LOUIS, MO.

Sylvania Transmitting Tubes



Tubes Available NOW!

The Electronics Department of the Hygrade Sylvania Corporation is composed of the former DeForest engineering and sales organizations practically intact, and headed by Mr. W. J. Barkley, former DeForest Vice-President, as General Manager. Mr. D. E. Replogle, also former DeForest Vice-President and Chief Engineer is Chief Engineer for the new organization.



Type 210

An extremely stable oscillator of high output, up to and above 30 Megacycles. Specially treated plate make for high plate dissipation and small expansion and contraction, thus overcoming creeping when used as a self-excited oscillator. Special construction for higher voltage breakdown and lower leakage. Not to be confused with the receiving type 210.

Rating As Oscillator

Output (normal).....	15 Watts
Plate Voltage (maximum).....	500 Volts
Plate Current (maximum).....	60 M. A.
Filament Voltage.....	7.5 Volts
Filament Current.....	1.25 Amperes
Normal Plate Dissipation.....	15 Watts
Max. Plate Dissipation.....	25 Watts
Average Voltage Amplification Factor.....	8

Net each \$4.75

825

REPLACES RK 18,
RCA 800.
40 WATTS OUTPUT
PLATE 1000 V. DC.
FIL. 7½ V. DC.
DESIGNED FOR HIGH
FREQUENCIES. \$10.00

830

FULL 55 WATTS OUTPUT CLASS C
ISOLANTITE UX BASE
PLATE RATING 800 V. DC.
FIL. 10 V. @ 2 A.
UNIVERSALLY APPLIED TO ANY CIRCUIT.

\$8.75

ALL GRAPHITE PLATES

Type 211

Filament Volts.....	10 Volts
Filament Current.....	3.25 Amp.
Plate Voltage (normal).....	1000 Volts
Plate Current (normal).....	125 M. A.
Negative Grid Bias—(Class B).....	100 Volts
Negative Grid Bias—(Class C).....	175 Volts
Safe Plate Dissipation.....	75 Watts
Lower Output (normal).....	50 Watts
Net each.....	\$17.50

Type 845

Filament Voltage.....	10 Volts
Filament Current.....	3.25 Amp.
Plate Voltage (normal).....	1000 Volts
Plate Current (normal).....	75 M. A.
Negative Grid Bias.....	-150 Volts
Safe Plate Dissipation.....	75 Watts
Net each.....	\$20.00

New Type 836

A new construction of the filament makes this the outstanding rectifier of the 866 type. We replace these tubes out of our stock without the usual red tape and bickering. If you have had poor service from 866 tubes, Sylvania will solve your problems.

Filament Voltage.....	2½ volts
Filament Current.....	5 Amperes
Maximum Peak Inverse Voltage.....	7500 volts
Maximum Peak Plate Current.....	0.6 Amps.
Approximate Tube Voltage Drop.....	12 volts
Net each.....	\$5.00

Type 203A

Filament Voltage.....	10 Volts
Filament Current.....	3.25 Amps
Plate Voltage (normal).....	1000 Volts
Plate Current (normal).....	125 M. A.
Grid Leak Resistance.....	5000 Ohms
Safe Plate Dissipation.....	75 Watts

Power output (normal)..... 50 Watts
Net each..... \$17.50

Type 852

Filament Voltage.....	10 Volts
Filament Current.....	3.25 Amp
Maximum Plate Dissipation.....	100 Watts
Maximum R.F. Grid current.....	10 Amp
Plate Resistance.....	6000 Ohms
Mutual Conductance.....	2000 M.Mhos
Amplification Factor.....	12
Approx. Grid-plate Capacity.....	3 MMF
Socket—Standard UX type.....	
Net each.....	\$24.80

Type 872

Filament Voltage.....	5 Volts
Filament Current.....	10 Ampere.
Maximum Peak Inverse Voltage.....	7500 Volts
Maximum Peak Plate Current.....	2½ Amperes
Approximate Tube Voltage Drop.....	10 Volts
Net each.....	\$16.50

GENERAL RADIO LAB'S. CRYSTALS.
EASY AND FREE OSCILLATORS,
CLEAR "X" CUTS, HIGH POWER.

80 METERS-----\$ 3.00.
160 METERS-----\$ 3.00.

How to Build and Operate Short Wave Receivers

An excellent book for the advanced and beginner in radio. Tells all about short-wave receivers and how to build them.
72 Pages, 9½ x 7½. Over 200 Illustrations. Flexible Cover.

45c

Citizens' Radio Amateur Call Book

ALWAYS UP-TO-DATE

Issued quarterly, March, June, September and December. Amateur and Commercial Stations from 83 different countries. Single copies.....NET \$1.00



WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

SANGAMO5000 Volt DC
TEST**CONDENSERS**

.00005	net	.54
.0001	"	.54
.00025	"	.63
.0005	"	.75
.001	"	.90
.002		1.35

Cardwell Condensers

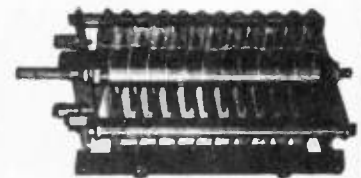
(Suitable for transmitters using up to 75-watt tube)

Type	Plates	Depth Behind Panel	Max. Cap.	Min. Cap.	Weight (Approx.)	List Price	YOUR COST
408B	5	2 1/8"	22 mmfds.	6 mmfds.	4 oz.	\$2.60	\$1.56
409B	7	2 1/8"	35 "	9 "	4 1/2 oz.	2.80	1.68
410B	11	2 1/8"	50 "	11 "	5 oz.	3.20	1.92
411B	15	3 1/8"	70 "	13 "	5 1/2 oz.	3.60	2.16
412B	21	3 1/8"	100 "	15 "	6 oz.	4.00	2.40
413B	31	4 1/2"	150 "	18 "	7 oz.	5.00	3.00

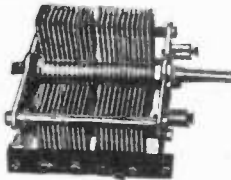
* Rotor and Stator plates of Transmitting Condensers have edges well rounded and are highly polished overall, thus eliminating corona losses and increasing breakdown voltage.

**INDIVIDUAL CHARACTERISTICS
TRANSMITTING CONDENSERS**

Type	Maximum Capacity	Air Gap Bet. Rotor and Stator Pl.	C. to C. Spacing Between Stator Plates	Plate Thickness	Number of Plates	Depth (back of panel)	List Prices	YOUR COST
141B	.00025	.030"	.110"	.0253"	11	2 1/2"	\$ 3.00	\$ 1.80
123B	.00048	.030"	.110"	.0253"	21	3"	4.00	2.40
137B	.00096	.030"	.110"	.0253"	41	4"	5.00	3.00
T183	.00011	.171"	.422"	.040"	23	6 1/2"	9.00	5.40
164B	.00022	.070"	.190"	.0253"	21	4"	4.00	2.40
T199	.00033	.084"	.248"	.040"	37	6 1/2"	10.00	6.00
147B	.00044	.070"	.190"	.0253"	43	5 1/4"	7.00	4.20
511B	.000023	.171"	.422"	.040"	3	3"	3.00	1.80
513B	.000050	.171"	.422"	.040"	11	4"	6.00	3.60
515B	.000056	.230"	.540"	.040"	15	5 1/4"	10.00	6.00



Type T199

CARDWELL SPLIT STATOR CONDENSERS

Type	Capacity			Air-Gap Bet. Rotor and Stator Plates	C. to C. Spacing (between Stator Plates)	Plate Thick- ness	Num- ber of Plates (ea. Sec.)	Depth (back of panel)	List Prices	YOUR COST
	Sections in		Per Section							
	Mult.	Series								
156B	.001	.00025	.0005	.030"	.110"	.0253"	21	4"	\$6.00	\$ 3.60
197B	.00016	.00004	.00008	.070"	.190"	.0253"	9	4"	5.00	3.00
157B	.00042	.00010	.00021	.070"	.190"	.0253"	21	5 3/4"	6.00	4.80
510B	.00022	.000055	.00011	.171"	.422"	.040"	23	12"	32.00	19.20
512B	.0001	.000025	.00005	.171"	.422"	.040"	11	6 1/2"	12.00	7.20

RECEIVING

(.031" Air-Gap)

(Also suitable for low-power transmitters using '10-type tube)

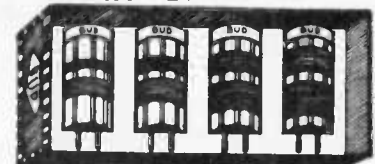
Type	Plates	Depth Behind Panel	Max. Cap.	Min. Cap.	Weight (Approx.)	List Price	YOUR COST
401B	3	2 1/8"	26 mmfds.	7 mmfds.	4 oz.	\$2.10	\$ 1.26
402B	5	2 1/8"	50 "	8 "	4 1/4 oz.	2.20	1.32
403B	7	2 1/8"	70 "	9 "	4 1/2 oz.	2.30	1.38
404B	11	2 1/8"	105 "	10 "	5 oz.	2.40	1.44
405B	15	2 1/8"	150 "	11 "	5 1/2 oz.	2.50	1.50
406B	25	3 1/8"	260 "	13 "	6 oz.	2.75	1.65
407B	35	3 1/8"	365 "	14 "	7 oz.	3.00	1.80

Electralloy Cans

Electralloy cans is a non-corrosive, non-magnetic material for radio panels, radio cans, and radio shielding purposes. Drills and machines much easier than other metals. Finished in beautiful dull silver. Supplied in No. 16 thickness as follows:



No.	Size	List Price	YOUR COST
1184.	8x 8x6	\$3.50	\$ 2 10
1185.	6x 6x6	3.25	1 95
1186.	9x 5x6	3.00	1 80
1187.	5x 5x6	2.75	1 65
1188.	4x 5x6	2.40	1 44
1189.	10x 8x6	4.00	2 40
1190.	14x 7x6	4.50	2 70
1191.	12x10x6	5.50	3 30
1192.	18x 9x6	7.00	4 20
1193.	12x 6x6	3.50	2 10

BUD SHORT WAVE AND TELEVISION LO-COIL KIT

Cat. No. 222—4 Coils

Wave Range 16 to 200 Meters when tuned with .00015 MFD Variable Condenser. Wiring Diagram for building Short Wave Radio Set included with each set of Coils.

Your Cost **\$1.77****WALTER ASHE RADIO CO.**

1100 PINE STREET " " " " ST. LOUIS, MO.



ACME-DELTA



ACME-DELTA PLATE TRANSFORMERS

Acme-Delta transformers are designed and constructed in accordance with the best modern engineering and manufacturing practice. All units are assembled with static shields between primary and secondary to minimize "tunable hum," key-click interference, and R.F. radiation from lighting lines. They will deliver their rated voltage within limits of minus 0 plus 5%. This is important in filament excitation to obtain maximum tube life.

They will operate continuously at full load without the temperature rise exceeding 50° C. This gives long life and the ability to stand large temporary overloads.

Their mountings are simple to reduce cost, but due to careful design are nevertheless attractive and adequate. All terminals are non-rotating type mounted on engraved bakelite panels.

Standard Primary Input — 115 Volts — 60 Cycles, 1 Phase

Cat. No.	Type	D.C. from Filter		A.C. from Secondary		Output		Insulation	Weight lbs.	List Price
		Volts	Amps.	Volts	R.M.S. Amps.	Power VA	Sec. VA			
AD20	A	400	.175	525-0-525	.130	95	137	2500	6 3/4	\$11.00
AD21	B	750 or 500	.200	900-600-0-600-900	.150	200	270	4000	13 1/2	16.00
AD22	C	1000 or 1250	.500	1500-1250-0-1250-1500	.380	845	1140	13000	39	50.00
AD23	B	2000 or 2500	.250	3000-2500-0-2500-3000	.190	350	360	3500	16	21.00
		1000 and 500	.250 total	600-0-600 For Bridge-Rectifier	.300					

NET

\$6.60

9.60

30.00

12.60

ACME-DELTA FILAMENT TRANSFORMERS

Standard Primary Input — 115 Volts — 60 Cycles, 1 Phase

Delta believes in separate transformers for plate and filament excitation. This permits leaving filaments on while receiving to facilitate quick changeover. Every unit is carefully tested before shipment for insulation, shorted turns, and voltage output.

Cat. No.	Type	Tubes	Output		Insulation	VA	Wgt. lbs.	Price
			Volts	Amps.				
AD12	B	{ 66, '03A, '11 to '17C, '52, 60 }	{ 2.5 CT 10.0 CT 10.0 CT }	{ 10.0 3.25 3.25 }	{ 7500 2500 2500 }	90	8 1/2	13.50
AD19	A	3-83	{ 5.0 CT 5.0 CT 5.0 CT }	{ 3.0 3.0 3.0 }	3500	45	4 1/2	11.00
AD1011	G	2-66	2.5VCT	10.0	13000	25	4	12.00

NET

\$8.10

6.60

7.20

COUPLING TRANSFORMERS

CLASS "A"	Cat. No.	Type	Purpose	For Coupling		Wgt. lbs.	List Price
	AD90	F	Input Trans.	{ S.B. Mic. D.B. Mic. Phono or 500 ohm Line }	to Grid	2 3/4	\$7.50
	AD91	F	Interstage either single tube or pushpull	{ Plate 10,000 ohms 50,000 ohms }	to Grid	2 1/2	7.50

Net

\$4.50

4.50

CLASS "B"

AD72	F	Class B Driver	{ 1-46 1-45 1-59 }	Class A	to { 2-46 or 59 Class B Grids }	2 3/4	7.50
AD74	B	Class B Output	{ 2-46 or 2-59 }	Class B	to { Class "C" RF 4000 or 16,000 ohms }	11	13.00

4.50

7.80

ACME-DELTA SMOOTHING CHOKES

Cat. No.	Fig.	Inductance Smoothing Rating Henries	Commercial Rating	Max. D.C. Current Amperes	Resistance Ohms	Energy Storage Watt Secs.	Insulation	Wgt. lbs.	List Price
AD40	A	8.5	13	.175	135	0.13	2500	6 1/4	\$8.70
AD41	B	10.0	16	.200	110	0.20	2500	11 1/4	10.50
AD42	E	{ 8 30 }	{ 10 40 }	{ .500 .250 }	{ 70 275 }	{ 1.00 1.00 }	{ 6000 3500 }	{ 17 3/4 10 1/2 }	{ 22.00 17.00 }
AD43	B	12	18	.275	120	0.45	3500	10 1/2	17.00

NET

\$5.22

6.30

13.20

10.20

ACME-DELTA SWINGING CHOKES

Cat. No.	Fig.	Ind. Henries	Max. D.C. Current Volts	Min. Input Cond. Mfd.	Res. Ohms	Insulation	Wgt. lbs.	List Price
AD30	A	5 25	.175	400	3	135	2500	6
AD31	B	8 40	.200	750	2	110	2500	11
AD32	E	{ 5 25 20 100 }	{ .500 .250 }	{ 1250 2500 }	{ 3 1 }	{ 70 275 }	{ 6000 3500 }	{ 17 3/4 12 1/4 }
AD33	B	8 40	.275	1000	2	120	3500	17.00

NET

\$5.22

6.30

13.20

10.20

I. C. A. SHORT WAVE SUPERHETERODYNE COIL ASSEMBLY

AN EFFICIENT COIL SWITCHING ARRANGEMENT

The I. C. A. Short Wave Coil Assembly is a compact unit of the necessary coils and low capacity selector switch eliminating the inconvenience of plug in coils. Designed to switch the necessary oscillator and detector coils to cover the ranges of 14-28, 27-45, 43-80, 75-200 meters. Unit may be easily wired into a short wave converter circuit for use with TRF or Superheterodyne Receivers. Complete wiring diagram and instructions packed with each assembly.



No. 1425.

List Price \$7.50

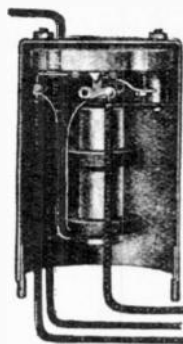
NET \$4.50

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

New HAMMARLUND Type "T" Intermediate Frequency Transformers

These high grade transformers are specially designed for experimental and replacement purposes. Their sensitivity, selectivity, and other characteristics are such as to make them equally satisfactory in superheterodynes employing either one or two stages of I. F. in connection with any type of second detector. Made in six special types for broadcast wave, short wave and long wave receivers. Quantity production permits pricing these units very attractively.

All transformers are of the tuned grid, tuned plate type with lattice wound coils impregnated to prevent moisture effects. Litz windings are used in the 465



k. c. short wave transformers. Tuning condensers are the highest grade mica compression type mounted on Isolantite bases and adjustable from the top of the shield can. Leads are R. M. A. color coded and tagged for easy installation. Secondaries are either plain for standard screen grid tubes or center tapped for tubes requiring split input circuits such as Wunderlich tubes, 55's 75's 83's 2A6's, etc.

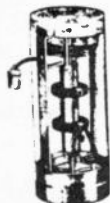
Aluminum shield cans measure $2\frac{1}{8}$ " outside diameter by $3\frac{1}{8}$ " high. Mounting is by means of threaded lugs on 2" centers. Transformers are individually packed with screen grid cap and mounting nuts.

Code T-175 (175 k. c.).....

97¢

Code T-465-CT (Center-tapped 465 k. c.)..... 97¢

New HAMMARLUND "Air-Tuned" Intermediate Transformers



Both the intermediate frequency transformer and oscillator units use air dielectric tuning condensers in connection with Litz coils of exceptional efficiency.

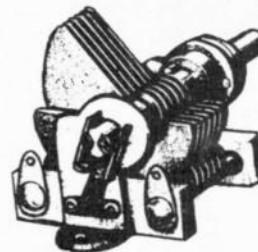
These precision units are necessary wherever 100% efficiency and absolute stability are essential requirements. Whereas transformers using mica dielectric condensers will change 2% or more in frequency, depending on moisture and temperature conditions, these "air-tuned" transformers will retain their original settings to within 1/10 of 1%. Their use in the Camel and Camel "Pro" receivers provide a sensitivity better than $\frac{1}{2}$ microvolt per meter and a selectivity of better than 10 kc. at 1000 times the input.

The oscillator unit is equipped with a tuning lever to vary the beat note.

Code ATT-175 (175 K.C.I.F. Transformer).....	\$4.50	Code ATT-465-CT (465 K.C.I.F. Transformer with center tap).....	4.50
Code ATT-465 (465 K.C.I.F. Transformer).....	4.50	Code ATT-595-CT (595 K.C.I.F. Transformer with center tap).....	4.50
Code ATT-595 (595 K.C.I.F. Transformer).....	4.50	Code ATT-175-CT (175 K.C.I.F. Transformer with center tap).....	4.50
Code ATT-175-CT (175 K.C.I.F. Transformer with center tap).....	4.50	Code ATO (465 K.C. Beat Oscillator).....	4.50

Any Transformer.....Net \$2.45

MIDGET CONDENSERS



LIST OF STOCK SIZES
Intermediate sizes to special order

Code No.	Plate	Min. Cap. (Mmf.)	Max. Cap. (Mmf.)	List Price	YOUR COST
MC-125 M	43	12	320	\$3.10	\$2.05
MC-250 M	34	10	260	3.00	1.75
MC-300 M	27	10	200	2.80	1.68
MC-140 M	19	7	140	2.50	1.47
MC-100 M	14	6	100	2.30	1.32
MC-100 S	14	6	100	2.30	1.32
MC-75 M	11	6	80	2.00	1.18
MC-75 S	11	6	80	2.00	1.18
MC-50 S	7	5	70	1.80	.94
MC-15 S	5	4	31	1.50	.86
MC-20 S	5	3	20	1.50	.82

"M"—Midget Plate. "S"—Small Circular Plate

Hammarlund Equalizers

A very small condenser for neutralizing, balancing and balancing purposes. Useful for balancing multi-tuned circuits or for equalizing gang condenser units. Adjustment of center screw provides gradual capacity change over a wide range. May be attached directly to binding post of meter or condenser. Mica dielectric, phosphor-bronze flexible plate and bakelite base. Size of base is $1\frac{1}{2}$ " x $\frac{1}{2}$ ".



Code EC-35 (1-35 mmf.).....	\$.40	YOUR COST
Code EC-80 (21-80 mmf.).....	.50	.24

Hammarlund Flexible Couplings

This coupling permits under operation of any number of independent units without requiring exact shaft alignment. A great convenience and time-saver.

The sides of the condenser are insulated from each other, allowing instruments to be used in its operation as independent electrical units.



Made of ball-bearing metal, with brass bushings and for $\frac{1}{2}$ " shaft. Four cup-shaped and hardened steel-on screws provide against shaft slipping. Overall diameter is $1\frac{1}{2}$ ".

Code FC
List Price, \$5.25
Your Cost, .34¢

HAMMARLUND "STAR" MIDGETS



Cat. No.	Capacity	Price
SM-15	15 mmf.	49c
SM-25	25 mmf.	49c
SM-50	50 mmf.	54c
SM-100	100 mmf.	59c

New HAMMARLUND Shielded R. F. Chokes



Inductive 10 m. h.; D. C. resistance 65 ohms; current carrying capacity 100 milliamperes.

Code CH-16S\$1.00

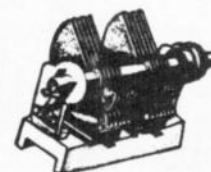
NET \$.59

PADDING CONDENSERS



CODE MICB-70 (10-70 MMF) NET \$.29
MICB-140 (70-140 MMF) NET \$.35
MICB-220 (140-220 MMF) NET \$.40
MICB-1000 (600-1000 MMF) NET \$.59

DUAL MIDGETS



Code	List Price	YOUR COST
MCD-140-M 140 mmf. capacity per section.....	\$4.80	\$2.35
MCD-100-M 100 mmf. capacity per section.....	4.40	2.05

WALTER ASHE RADIO CO.
1100 PINE STREET * * * ST. LOUIS, MO.

NATIONAL COMPANY, INC., MALDEN, MASS.

List
\$.55Net
\$.33

NATIONAL COUPLING UNIT

A SMALL INSULATED UNIVERSAL FLEXIBLE DISC TYPE. for 1/4" SHAFTS.

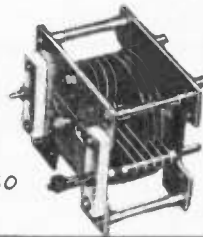
NATIONAL Grid-Grips

Made in Two Sizes
TYPE 24 — To Fit
Broadcast Set Tubes
\$.05
TYPE 12 — To Fit
Large Type Tubes such
as 872..... \$.10

Frequency Meter Condenser

A special purpose condenser designed for use in amateur frequency meters and monitors. The three circular rotor plates make possible the use of a High C circuit which is necessary in order to avoid changes in calibration due to differences in tube characteristics, temperature variation, etc.

When used with a 100 division dial, the spread of the 100 or 80 meter bands is over 80 divisions.

Net
\$.330

ISOLANTITE STANDOFF
METAL BASE AND TOP. #WGB
1 1/4" TALL

List
\$.25
Net
\$.15

Audio Transformers — Screen Grid Detector Coupling, Type S101

Similar in appearance to Fig. 3

The impedance coupling unit used in the SW1, SW3 and the new SW5R. This unit, when employed to couple the output of a screen grid detector to an audio amplifier tube, will give from two to three times as much amplification as resistance coupling. A regeneration detector will operate with maximum efficiency, and trouble from fringe howl and "sticker" oscillation control will be minimized when using correctly designed impedance coupling.

The response characteristic is uniform between 75 and 5000 cycles.
Inductance of plate choke — 700 Henries.
Capacity of coupling condenser — .01 mfd.

Resistance of grid leak — 250,000 ohms
List Price, \$5.50
Net \$3.20

EXTRA!!

New NATIONAL

variable experimenters condenser.

Capacity 100 M.M.F.D.
Built up same as old Pilot. Can be taken apart for double spacing etc.

NET ---- .60

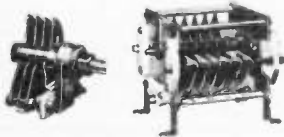
Forms only —

4-prong UX base \$.75 .45
5-prong UV base \$.75 .45
6-prong Special \$.75 .45

Socket only —

6-prong Special with mountings \$.75 .45

NEUTRALIZING CONDENSERS



Type STN Condenser

A compact, rigid, and efficient condenser particularly suitable for neutralizing 245, 247, 210 and similar tubes in amplifier, buffer or doubler stages. Very low minimum capacity. Insulate insulation and polished plates. Maximum capacity 18 mfd. Peak voltage breakdown — 3000v.

Type TMN Condenser

Heavy duty neutralizing condenser having a peak voltage rating of 5000 volts. Suitable for use with 20A, 852, 20A4 and similar tubes. Maximum capacity 50 mfd.

Net \$1.20

List Price, \$6.00

Net \$3.60

Air Dielectric Condenser Tuned "I.F." Transformers and Air Dielectric Shielded Padding Condensers

In the better types of high frequency receivers, it is rapidly becoming standard practice to employ air condensers rather than compression mica condenser tuned I.F. transformers. National, co-operating with James I. Lamb and QST, pioneered in this important advancement and now offers a new and improved unit surpassing even the outstanding performance of the original model.

Special Features: Micrometer Tuning — Velvet Vernier Type. All Peaking Adjustments at Top of Shield. Double Bearing Precision Condensers, Self Locking Rotors. Isolantite Insulation. New Type of Latex Wound Coils, 450 to 850 KC. Tuning Range (Also 175 KC. models). Non-magnetic Aluminum Rotor and Stator Plates. Electron Coupled Beat Frequency Oscillator Units with Genuine Velvet Vernier Knob Tuning. Standard Mounting.

List Price, either transformer or oscillator, each \$5.00

Shielded air dielectric padding condenser on inductor base that is essentially no larger than the old mica type. Two sizes — 75 and 100 mfd. max. capacitance. Case, 1 1/2" diameter by 1 1/2" high. List prices, \$2.00 and \$2.25 each respectively.

Net \$1.20 and \$1.35

Net
\$.300Catalog
Symbol

Description

List Price

5880-AB Completely shielded power supply for use with the ACSW3 Thrill Box using the 27 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube \$26.50

Net
\$15.90

NATIONAL
TUBE and COIL SHIELDS

Aluminum shields for experimental and custom set work.

Catalog Symbol	List Price	Net
J30 Coil Shield, 2 1/2" dia., 3 1/2" high — square flange at bottom 2 1/2"	\$3.55	\$2.21
B30 Coil Shield, 3" dia., 3 1/2" high	.35	.21
B30 Coil Shield, as above with mounting base	.50	.30
T5 Tube Shield with Top Cap and Bottom Mounting Plate	.40	.24
T58 Tube Shield with Top Cap and Bottom Mounting Plate	.40	.24

Note: The type T58 National Tube Shield is specially designed for use with the type 87 and 88 tubes now on the market.

NATIONAL SOCKETS



A point which is often overlooked in ultra high-frequency receiver and transmitter design is the efficiency of coil and tube sockets. These new Isolantite sockets will reduce such losses to a minimum. Suitable for roller mounted and push-on or base-board mounting. Made in standard 4, 5, 6, and 7-prong styles as well as in special 6-prong for NATIONAL coils. List Price.

Net \$6.30

NATIONAL R.F. CHOKE Type 90

This proper value for all by-passing work on screen-grid or plate circuits of screen-grid tubes and between detector and first audio, in accordance with best practice. Multi-section winding adapts this choke for short-wave as well as broadcast work. D.C. resistance, 450 ohms. Inductance 90 millihenries. First standard grid-leak mount.



NATIONAL R.F. CHOKE Type 100

Inductance mounting, continuous universal winding in four sections. For plate, screen-grid or standard resistor mountings. Ind. 25 m.h.; distributed cap., 1 mfd.; D.C. resistance 50 ohms; Current rating, 1.5 M.A. For low powered transmitters and all types of high frequency receivers. List Price — \$7.50



NATIONAL R.F. CHOKE Type R-152

Inductance mounting on metal base — 10,000 v. insulation; continuous universal winding in 8 tapered sections; inductance 4 m.h.; distributed cap., 1 mfd.; D.C. resistance 10 ohms; current ratings: — continuous 0.6 amp; intermittent 0.8 amp. For both high and low powered transmitters and laboratory oscillators. Price \$2.25

Net \$1.35

NATIONAL Power Units

The "FB-7" is designed so that it may be operated directly from any one of several NATIONAL power units, or, if desired, from filament transformer and B-battery. Using 160 volts B, the total drain is 40 milliamperes. The heater circuit requires 9.5 amperes at 2.5 volts.

The B-voltage employed may be of any value between 180 and 250 volts without affecting the performance of the receiver in any way, whatever weight for the amount of undistorted power output. For this reason the use of the No. 5887 power unit is recommended for amateur communication, or, if already available, the No. 5880 power unit may be used. The 5880 differs from the 5887 in that it employs a much higher degree of hum filtration, necessary because of its original design for use with the SW-3 regenerative detector type receiver. The circuit of the "FB-7" does not require such complete power supply filtration and the lower priced No. 5887 is quite adequate.

For short wave broadcast reception, where a high degree of undistorted power output is desirable, a higher plate voltage is recommended than that supplied by either the No. 5887 or the No. 5880. Such a power unit is available in the No. 5887, which furnishes voltages sufficient to drive the type 58 power output pentode in the "FB-7" at full rating.

All of the power units employ, of course, R.F. filters for the elimination of tunable hum, and embody the other exclusive features that are well known to users of NATIONAL power equipment.

Catalog No.	Description	Net
5887 AB	Special for "FB-7" 115V. — 60 Cycles (less tube)	\$14.70
5887 AB	High voltage for operation on 350 tube at full rating 115V. — 60 Cycles (less tube)	\$15.90

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

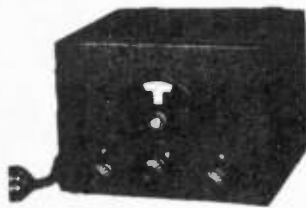
NATIONAL

New and Improved

NATIONAL SW-3

Amateur Receiver

AC and Battery Models



Net \$17.12

COMPLETE PARTS

Catalog Symbol **Name of Parts** **List Price**

ACSW3 NATIONAL complete set of parts for 3-tube Short Wave Thrill Box — less coils and tubes — wired by the Jackson Research Laboratories. **\$29.50**

Note: The above price is for either AC or DC models. (Either 2 or 6v.)

AC uses 2-58s and 1-27. 6v DC use 2-36s and 1-37. 2v DC use 2-32s and 1-30.

When DC Battery model is desired, specify Catalog Symbol as DC-SW3 and whether for 2 or 6 volt tubes.

Band spread coils for either the 20, 40, 80, or 160 meter bands, list at \$4.75 per pair.

SINGLE SIGNAL CRYSTAL FILTER FOR FB7A AS USED IN FBXA COMPLETE IF UNIT WITH ALL NECESSARY SWITCHES AND KNOBS, WITH BILEY CRYSTAL AND HOLDER.

Net \$13.50.



PRESELECTION

ADDITIONAL RF UNIT FOR FB7A OR FBXA. ELIMINATES IMAGE FREQUENCIES, INCREASE OF SIGNAL RATIO, ADDED SELECTIVITY. COMPLETE WITH ONE COIL, LESS TUBE.

Net \$15.00.

NATIONAL

"FB-7" Amateur Type

Short Wave Receiver

The "FB-7", designed primarily for the experienced amateur operator, is a seven tube receiver having exceptional sensitivity, selectivity, stability, and other characteristics essential in order to contend with the crowded conditions of the amateur C. W. and phone bands. Ample sensitivity and selectivity are assured through the use of a circuit employing two stages of high gain I. F. amplification (six tuned circuits) while individual filtering of all circuits, including the oscillators, together with thorough shielding, results in unusual stability. There is no pulling-in or blocking by strong local signals, and frequency drift in both high frequency and beat oscillators has been eliminated. Variation of the volume control has no appreciable effect on the pitch of C. W. signals, even at 14. mc.

The receiver is compact, being only 11 1/2" x 12", and is shaped to conserve space on the operating table as much as possible.

The full vision dial, plug in coils, send and receive switch, beat oscillator switch, calibration chart, etc., all on the front panel, result in an ease and convenience of operation that is possessed by no other receiver.

Net \$34.20

FB 7A, with air Dielectric condensers in "I. F." amplifier, completely wired less \$57 coils, less tubes. List price, \$57

TUBES: one 56, one 57, two 58's, one 59, two 24's



OUTSTANDING FEATURES:

- High Selectivity and Sensitivity
- Electron Coupled Oscillators — No Frequency Drift
- Uniform Gain over Entire Frequency Range
- Double Shielding
- Absolute Single Control Tuning — No Trimmer
- Two I. F. (High Gain) Stages
- New NATIONAL Type AGS air tuned, Litz-wound I. F. Transformers with trimmer adjustments on top
- Tuning Curves on Front Panel
- Gain Control Calibrated in "R" Units
- High Signal to Noise Ratio
- One Hand Tuning
- Front of Panel Coil Change
- Shielded "R19" Coils Changed from Front of Panel
- S. F. L. 270° Tuning with Full Vision Vernier Dial
- Seven Tubes not Including Rectifier
- Panel Switch for Cutting B Voltage During Transmission
- Band Spread and Full Range Coils
- Amateur Bands Spread over 100 Dial Divisions
- Pull Range 34 mc. to 1500 Kc.
- "Offset" c.w. Beat Tuning
- Beat Oscillator Switch on Panel
- Phone Jack in 2nd Detector Output Circuit
- Speaker Driven by '59 as Class "A" Pentode
- Mechanical Filter (Quartz Crystal) Available for Full Single Signal Reception
- "Doublet" or Standard Type Antenna System

FBX-A SINGLE-SIGNAL RECEPTION

Fully realizing the tremendous advantages of so-called "single signal" reception in connection with c.w. reception on some of the more congested bands, the "FB-7", like the "AGS", has been designed so as to be readily adaptable to this new type operation. High inherent circuit stability, high I. F. gain, special shielding and proper chassis space, directly adjacent to the I. F. transformer and tube, make possible the ready addition at any time of a mechanical filter (quartz crystal) with its associated selectivity control, condenser and multi-point switch.

Contrary to the widespread impression on the part of many amateurs, single signal reception is primarily for c.w. work, and not for "phone band" use.

The "FB-7" I. F. amplifier is so designed as to have the maximum selectivity possible for phone band use without serious sacrifice of intelligibility. However, the single signal version of the "FB-7" may be obtained as a complete unit by specifying the Catalog Symbol "FBXA" at an additional list price of \$22.50 above that of the "FB-7".

"FBXA" completely wired, with crystal and air dielectric tuned I. F. — less coils and less tubes — list price \$79.40.

All prices on this page include Federal Excise Tax.

Plug-in Type Inductances FOR SHORT-WAVE USE

TYPE R-39 INDUCTANCES

"10" Series

For NATIONAL Original AC and DC 3-tube amateur receivers — AC-SW-5, AC-SW-45, DC-SW-34, Short-Wave Thrill Boxes, and the new DC-SW-3.

NOTE: See below for list of "60" series coils for use in AC-SW-58, and new revised AC-SW-3.



General Coverage Coils

Catalog Symbol	Color	Range	List Price Per Pair	Net Price Per Pair
No. 10	Brown	9 to 15 meters	\$5.00	\$3.00
No. 11	Black	13.5 to 25 meters	5.00	3.00
No. 12	Red	23 to 41 meters	5.00	3.00
No. 13	White	40 to 70 meters	5.00	3.00
No. 14	Green	65 to 115 meters	5.00	3.00
No. 15	Blue	115 to 200 meters	5.00	3.00
No. 16	Orange	200 to 360 meters	5.50	3.30
No. 17	Yellow	350 to 550 meters	5.50	3.30
No. 18	Purple	500 to 850 meters	6.50	3.80
No. 19		850 to 1200 meters	8.00	4.80
No. 20		1200 to 1500 meters	8.00	4.80
No. 21		1500 to 2000 meters	8.00	4.80

Band Spread Coils

permit 50 dial divisions spread on 20, 40, 80 and 160 meter bands with standard NATIONAL LSW Thrill Boxes.	\$5.00	\$3.00
No. 11A — 20 meter band (per set of 2)	5.00	3.00
No. 13A — 40 meter band (per set of 2)	5.00	3.00
No. 14A — 80 meter band (per set of 2)	5.00	3.00
No. 15A — 160 meter band (per set of 2)	5.00	3.00

Type R-39, "60" Series

For NATIONAL AC-SW-58, DC-SW-34, and AC-SW-3 Thrill Boxes.

General Coverage Coils

Catalog Symbol	Range	List Price Per Pair	Net Price Per Pair
No. 60	9 to 15 meters	\$5.00	\$3.00
No. 61	13.5 to 25 meters	5.00	3.00
No. 62	23 to 41 meters	5.00	3.00
No. 63	40 to 70 meters	5.00	3.00
No. 64	65 to 115 meters	5.00	3.00
No. 65	115 to 200 meters	5.00	3.00
No. 66	200 to 360 meters	5.50	3.30
No. 67	350 to 550 meters	5.50	3.30
No. 68	500 to 850 meters	6.50	3.80

Band Spread Coils

No. 61A — 20 meter band (per set of 2)	\$5.00	\$3.00
No. 63A — 40 meter band (per set of 2)	5.00	3.00
No. 64A — 80 meter band (per set of 2)	5.00	3.00
No. 65A — 160 meter band (per set of 2)	5.00	3.00

NATIONAL

Regular and Bandsread

"FB-7" COILS

Catalog No.	Range
AB 20 (air padded one)	20 Meter Band Spread
AB 40 (air padded one)	40 Meter Band Spread
AB 80 (air padded one)	80 Meter Band Spread
AB 160 (air padded one)	160 Meter Band Spread
FB AA (air padded one)	34000 to 180000 Kc
FB A (air padded one)	19500 to 11400 Kc
FB B (air padded one)	11700 to 7000 Kc
FB C (air padded one)	7300 to 4000 Kc
FB D (air padded one)	4200 to 2400 Kc
FB E (air padded one)	2300 to 1500 Kc
FB F (air padded one)	1500 to 900 Kc

The list price of coils for all ranges is \$10.00 per pair. Unwound coil forms, complete with trimmer and coil handle are available at a list price of \$3.65 each, and designated by the Catalog Symbol XR-39.

NATIONAL Regular and Band Spread

FB-7 COILS

These new front-of-panel change coils, with grounded and shielded cast metal end-handles and R-39 forms, are for use with the new NATIONAL FB-7 and FB-X Short-Wave Receivers. See pages 12 and 13 for full specifications, tuning curves and prices.

Unwound "R 39" forms, complete with handle, padding condenser, and protective sleeve. **Net \$2.19**

Type XR 39. List price. **ca. \$3.65**

Special air prong socket mounted in aluminum shield with external terminal strip — same as used in FB 7 receivers. **Net \$1.05**

Type XCS. List price. **\$1.75**

WALTER ASHE RADIO CO.

1100 PINE STREET " " " " ST. LOUIS, MO.

INDEX

"A"

Aero-Delta-40
Aerial Equipment-12-13
Adaptors 13
Akra-Ohm Resistors 19
Audio Transformers 6
Automobile Antenna 16
Auto "B" Eliminator-9-20
Aluminum Shields 39
Amateur Supplies 24-to-44
Analyzers 24-25
Analyzer Plugs & Adaptors 25
ARRL Log Books Etc. 26-32
Anti Capacity Switch 35

"B"

Bakelite Panels, Tubing,
Rod - 34
Batteries A-B-C 15
Battery Cable, Shielded-12
Battery Cable, Unshielded
12
Binding Posts 23
Books 10-16-26
Busbar 12
Buzzers 37
Beat Frequency Oscillator
Coil 41-43
"B" Eliminator 20
By-Pass Condenser 8-9
Beede Meters 29

"C"

Call Books 10
Cable, Microphone 27
Cable, Battery 12
Cable Connectors 13-14
Carbon Resistors 18
Cardwell Condensers 39
Centralab Vol. Cont. 2-3
Chokes, Filter, Audio 1-40
Chokes, Modulator 31-40
Chokes, R.F. 13-43
Clips 15
Class "B" Audio 40-43
Coil Forms 33-36
Coils, L.F. R.F. 39-41-43
Code Practice Sets 37
Cords for A.C.D.C. Sets 19
Cones 15
Condensers By-Pass 8-9-10
" " Transmuting Filter 32-43
" " Blocking 39
" " Variable 13-39-42-43
" Cartridge 8-9
" Tubular 8-9
" Electrolytic 8-9
" Filter 8-9-10
" Mica Fixed 8-9
" Padding 41
" Variable 13
" Shortwave Variable 13-41-42
" Couplings 23-41-43
" " Brass 23
" " Flexible 42
Copper Tubing 34
Cords for Head Sets 23
Crystals & Holders 33-38
Collins Radio Co. 9

"D"

Diagrams 26
Dials 14-42
Dial Cable 12-18
Dial Lights 1
Dry Cells 15
Dynamic Speakers 15
Duresite Tubes 1
Drills 25

"E"

Ear Phones 21
Electrad 4-5-16
Electric Phono. Motors 18
Electrolytic Condensers 8-9-10
Eliminators, Auto "B" Parts 1-9
Eliminators Auto "B" 20
Equalizer Condenser 41
Extension Cords 23
" " Jacks 14
" " Connectors 23

"F"

FB7 And FBI Sets And Parts 44
Fahnestock Clips 13
Feeder Spreaders 35
Filament Trans. 30-31
Filter Chokes 31-40
Filter Condensers 8-9-10-32-43
Flechtheim Condensers 32
Flexible Couplings 42-43
Fuses & Fuse Blocks 12
Filterizer Kits 16-18

"G"

Grid Clips 43
Grid Leaks, Receiving 18
Grid Leaks, Transmitting 36
Ground Rods 15
Ground Clamps 15
Generator Condensers 9
G.R. Plugs & Jacks 34

"H"

Hammarlund Products 41
Hook-Up Wire 12

"I"

Illuminated Dials 14
Insulators 13-34-35
I.F. Transformers 21-42
Interference Filter 16-18
Ignition Cable 21

"J"

Jack Switches 14
Jacks And Plugs 14-25
Jannette Converters 21

"K"

Keys, Transmitting 37
Knobs 13
Kits, Lynch Aerial 34
Kellogg Tubes 1
Knife Switches 12

"L"

Lamp Cord 12
"L" Pads 2-4
Line Ballasts 25
Lightning Arrestor 12
Loud Speakers 15

"M"

Microphones 27
Manuals, Rider 20-22
Magnet Wire 12
Magnetic Speakers 15
Mallory Auto "B" 20
Mica Condensers 8
Midget Condensers 10-42
Meters 11-28-29
Mike Plugs 27
" " Stands 27
" " Cable 27
Midget Transformers 25
Meter Rectifiers 29

"N"

National Products 42-43-44
Neon Lamps 1-34
Neutralizing Tools 13
Neutralizing Cond. 41-42

"O"

Ohmite Resistors 19
Ohmmeters 11
Oscillators 24-25
Output Meters 11

"P"

Panels 34
Panel Lights 1
Phones 21
Phone Jacks 14-18
" " Plugs 14-18
" " Cords 23
Phono. Motors 18
Phono. Pickups 18
Plugs, Analyzer 13
Plugs, Speaker 13

Power Transf. See Transf.
Potentiometer 14
Practice Sets 37
Pyrex Insulators 35
Precision Resistors 19
Pilot Lights 14

"Q"

Quartz Crystals 33-38

"R"

Rider's Manuals 20-22
Readrite Products 11-25
Relays 36
Replacement Cond. Blocks 2-10
" " Transformers 6-7-25
" " Field Coils 17
" " Speaker Cones 15
" " Volume Controls 2-3-4-5-14-25
Resistors, Fixed 18-19
Resistors, Variable 14-16-36
Resistance Indicator 19
Rotary Converters 21

"S"

Set Tester 24-25
Shielding 12
Shielded Wire 12
Shortwave Coils 39-40-44
Shortwave Sets 44
Sockets 23-35-36-43
Socket Wrench Sets 23
Solder 12
Soldering Iron 22
Spaghetti Tubing 12
Speaker Cones 15
Speakers 15
Sprague Condensers 9
Stanor Replacements 7
Standoff Insulators 34-35
Sparkplug Suppressors 2-20
Supreme Test Equipment 24
Switches 12-14
Stiktape 12
Sylvania Tubes 1-38

"T"

Tape 12
"T" Pads 2-4
Test Leads 13
Tap Switches 14
Thordarson Products 31-32
Toggle Switches 12-14
Tube Shields 13-25
Tube Testers 24-25
Tubes 1-32-38
Tubing, Bakelite 34
Tubing, Copper 34
Tungar Tubes 1
Transformers
Audio 6
Class "b" 40
Exact Duplicate 7
Filament 30-31
Microphone 40
Mixing 40
Plate Supply 6-7-40
Replacement 6-7

"U"

Uncoated Condensers 8
Universal Meters 28-29

"V"

Vernier Dials 14
Voltmeters 28
Volume Controls 2-3-4-5-14-25
Voltage Dividers 16

"W"

Westinghouse Meters 28
Ward Leonard 36
Weston Instruments 29
Wire 12
Wrenches 23

"Y"

Yaxley Products 14

WALTER ASHE RADIO CO.

1100 Pine Street - - St. Louis, Missouri

Return Postage Guaranteed

Sec. 562 P. L. & R.
U. S. POSTAGE

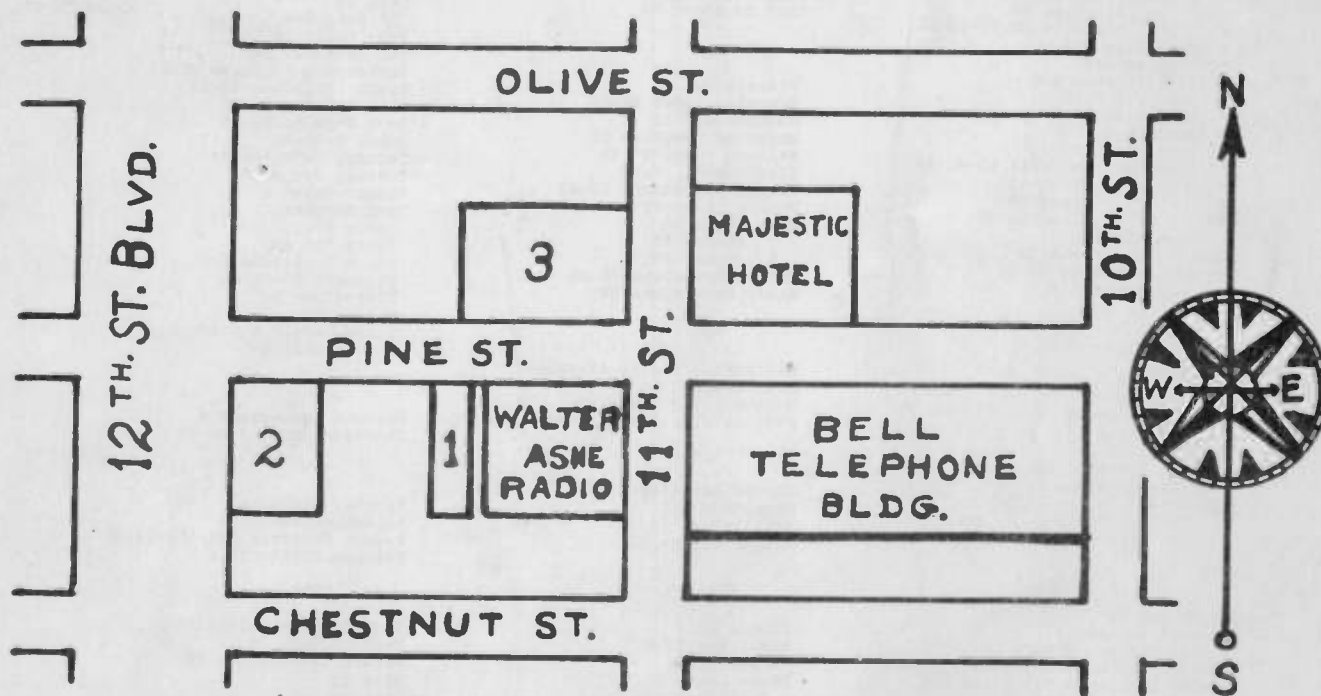
PAID
St. Louis, Mo.
Permit No. 1865



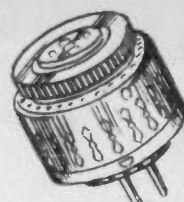
John Buerasch
819 Regina

ST. LOUIS, MO.

WE MAINTAIN A COMPLETE SERVICE DEPARTMENT FOR DEALERS AND SERVICEMEN



#3 PARKING LOT DIRECTLY ACROSS THE STREET. #1 AND #2 ARE OUR OWN PARKING LOTS WHICH ARE MAINTAINED FREE OF CHARGE TO OUR CUSTOMERS. ASK FOR A PARKING LOT CARD WHEN YOU ARE IN THE STORE. A LOADING ZONE IS ALSO KEPT OPEN FOR OUR CUSTOMERS ON ELEVENTH ST.



Chestnut 7934

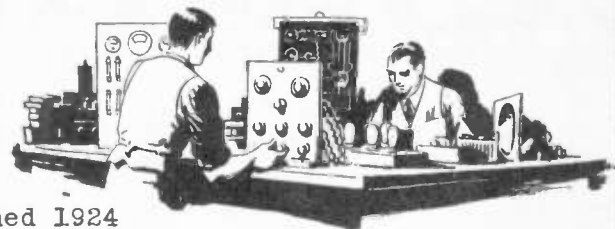
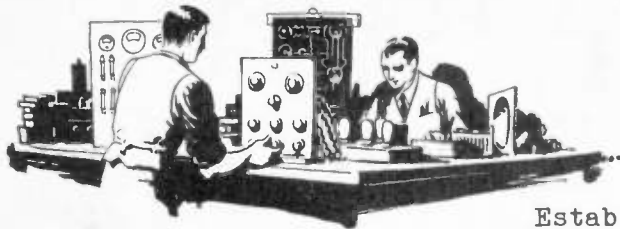
1108 Pine St.

Chestnut 7934

1100 Pine St

ON SOUTHEAST CORNER 12TH & PINE OR ON LOT NEXT TO STORE WITH
PURCHASE
ALL PRICES SUBJECTED TO CHANGE WITHOUT NOTICE

RADIO DEALERS



Established 1924
WALTER ASHE RADIO COMPANY

REPAIR AND ENGINEERING SERVICE

We maintain in connection with our regular business a complete and modern radio laboratory. This department is equipped to design and manufacture any special radio or sound apparatus which you may need.

If you have a set that is not working or a repair job that you cannot handle, send it in. Our experts will examine and test the set and advise you as to the cost of repairs.

NOTICE For Mail Orders

If too much postage is included with your order, we will return surplus with invoice.

If amount is insufficient to cover postage, shipment will be made C. O. D. for the difference. Postage sent to cover shipments which we determine must be sent by express will be returned to buyer.

All prices are subject to change without notice.

Orders and contracts signed by a salesman or agent, subject to approval of an officer of this company.

Orders accepted and entered are not subject to cancellation.

Our responsibility ceases upon delivery of packages in good order to carrier.

We make shipments same day order is received, unless temporarily out of stock. In this case we will either substitute or back order at customer's request.

All claims for shortage must be made within five days of receipt of goods.

All defective merchandise subject to factory guarantee as to repair or replacement.

Except to those having a satisfactory rating, cashier's check, postal or express money order should accompany the order.

We advise express shipment. Should you prefer parcel post, you must include additional amount sufficient for postage and insurance. All shipments are f. o. b. St. Louis.

C. O. D. orders must be accompanied by 25 per cent of the total amount of the order.

Do not return any merchandise to us for any reason without first receiving our written permission.

If there are any SPECIAL RADIO ITEMS which are not listed, please let us know your requirements, or send us the defective part and we will endeavor to obtain it or suggest a suitable substitution.

When ordering parts for radio sets BE SURE TO MENTION MODEL NUMBER OF SET (not serial number), ALSO NUMBER AND TYPE OF TUBES USED.

CONFIDENTIAL

Discounts for dealers and service companies only.



WALTER ASHE RADIO Co
1100 Pine Street . . . St. Louis, Missouri



Established 1924

Established 1924

WE DO NOT COMPETE WITH SERVICE MEN FOR RETAIL SERVICE
OUR REPAIR DEPARTMENT IS FOR THE SERVICE MAN AND DEALER
WHO HAVE A SURPLUS OF WORK OR WORK THEY ARE UNABLE TO
HANDLE. WE DO NOT TAKE OUTSIDE CALLS.

1



Net Prices: List Less 40-10-2%

C U N N I N G H A M T U B E S

WALTER ASHE RADIO CO.

ST. LOUIS, MO.



OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS. MO.

Centralab

CENTRAL RADIO LABORATORIES

Centralab Standard Replacement Controls with Long Shafts to Fit Any Set

With the help of Centralab's Volume Control Guide and a small stock of these famous quality parts, you can immediately replace volume controls of all makes. Each control has a long shaft and standardized taper that will work on many different sets. Select controls by circuit location.

Less Switch \$1.50	With Switch \$2.00
Your Price	Your Price
75c	\$1.00

Special Centralab Replacements for Popular Models

Philco, Majestic, RCA Victor

Tailored to fit exactly like the original with equal or superior control.

Our Part No.	Mfg.'s Part No.	Make and Model	Your Net Price
72-177	4090	Philco 96, 296, 30, 111, 211, 112, 212, 96A, 296A, 111A, 112A, 212A	.65
72-182	5366	Philco	.75
24-016	3076	Philco 511, 521, 86, 82, 87, 83.	.75
24-264	3790	Philco 92, 95.	.75
51-076	5839	Philco 51, 51A, 52, 52A, 551, 551A	.40
74-559	5232	Philco 50, 50A. A Carbon Twin	.95
74-560	4141	Philco 41, 42, 46. A Carbon Twin	.95
51-095	6499	Philco 71, 71A, 91, 91A, 121, 221, 75 (All 1932 A.V.C. Models.)	.40
72-180	105	Majestic 70A, 70B	.75
70-063	559	Majestic 90 Series	.75
72-181	890	Majestic 130 Series	.75
72-073	4098	Majestic 60, 160.	.75
55-010	4682-S	Majestic 15 Series, 150.	.90
55-014	5316-S	Majestic 25 Series.	.90
74-561	164	Majestic 180. Twin Control	1.80
74-562	771	Majestic 100. Twin Control	1.50
74-563	1316	Majestic 230. Twin Control	1.50
74-600	10450	Victor R32, RE45, RE52, RE75, RE145	1.50
74-526	62940	1931 RCA, Victor, Westinghouse, G.E., RC3, R15, RE17, R42	1.50
74-524	62895	RCA Victor, RE34, 35, 39, 42, 57, 73, RC2.	1.50

Centralab Power Rheostats

Complete air circulation gives maximum power dissipation for its size. All metal frame and core, insulated with treated asbestos. Three terminals. Bushing $\frac{3}{8} \times \frac{1}{2}$ " long. Shaft $\frac{1}{4} \times \frac{1}{2}$ " long. Diameter 2". Depth behind panel, 35 watt $\frac{1}{2}$ "; 50 watt 1". Supplied with panel insulating washers.

Resistance in Ohms	35 Watt	50 Watt
15	.90	1.20
25	.90	1.20
60	.90	1.20
150	.90	1.20
400	.90	1.20
1,000	1.05	1.50
5,000	1.20	1.65

Replacement Controls



Standard Less Switch



Elf with Switch



Elf Less Switch



Power Rheostat

Cat. No.	Circuit Location	Resistance in Ohms	Cat. No. with Switch
70-202	R. F. "C" Bias	75,000	52-202
70-203	Series for R. F. Plate	500,000	52-203
70-204	Antenna Shunt	4,000	52-204
72-100	Antenna or R. F. Shunt	10,000	62-100
72-101	Antenna or "C" Bias	2,000	62-101
72-102	Antenna or R. F. Shunt	25,000	62-102
72-103	Screen Grid	50,000	62-103
72-104	Screen Grid	100,000	62-104
72-105	Audio Grid or Tone	500,000	62-105
72-107	"C" Bias	1,000	62-107
72-108	"C" Bias	3,000	62-108
72-109	"C" Bias	4,000	62-109
72-110	"C" Bias	5,000	62-110
72-111	Screen Grid	25,000	62-111
72-113	Antenna, Cathode One Tube	10,000	62-113
72-114	Antenna, Cathode Two Tubes	10,000	62-114
72-116	Tone Control	1,000,000	62-116
72-118	"C" Bias	500	62-118
72-119	Antenna, Cathode	20,000	62-119
72-120	Audio Shunt	200,000	62-120
72-121	Audio Shunt	250,000	62-121
72-122	Audio Shunt	100,000	62-122
72-123	"C" Bias and Antenna	75,000	62-123
79-006	Antenna, Cathode, Grounded Bushing	15,000	99-006

CENTRALAB MOTOR RADIO SPARK SUPPRESSORS



Fifty per cent to 500 per cent more efficient because of the high ratio of R. F. to D. C. resistance. Furnished in a variety of resistances to properly balance motor efficiency and noise suppression. Keep all values on hand and use the lowest resistance that suits the individual installation. Resistances 8,000, 15,000, 25,000, and 50,000 ohms. 15,000 ohms will be shipped unless you specify.



No. 322—Spark Plug Type, 40c.....	24c
No. 323—Distributor Head Type, 40c.....	Each
No. 320—Special Buick Type, 40c.....	(fits in cable)
No. 5—Kit for 4 Cylinder Car.....	\$1.10 Net
No. 7—Kit for 6 Cylinder Car.....	1.50 Net
No. 9—Kit for 8 Cylinder Car.....	1.90 Net



Centralab VOLUME CONTROL GUIDE for SERVICE MEN

Sixty-four pages about volume controls in receiving sets and all types of sound projection. A complete listing of radio receivers with the volume control circuit used and the proper control. Indispensable to every service man. Price 50c. When your order for this guide is accompanied by an order for Five Centralab Controls, the Guide will be FURNISHED FREE.

WALTER ASHE RADIO CO.

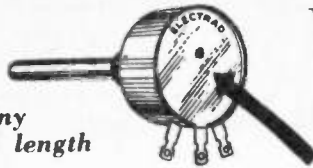
1100 BINE STREET

ST. LOUIS. MO.

New Complete Line of **ELECTRAD** Replacement VOLUME CONTROLS

LONG
ALUMINUM
SHAFTS

Easily cut to any
desired length



Plain covers and covers with switch attached are instantly interchangeable. Just snap one out and the other in, without disturbing the control connections.

ELECTRAD STANDARD REPLACEMENT CONTROLS

Our Spec. No.	Circuit No.	Open-10	1/4	1/2	3/4	Finish
RI-204 Rheostat		0	8	5	2.5	0
RI-269		0	Uniform	Uniform	Uniform	20
RI-270		0	Uniform	Uniform	Uniform	30
RI-271		0	Uniform	Uniform	Uniform	50
RI-272		0	Uniform	Uniform	Uniform	100
RI-273		0	Uniform	Uniform	Uniform	200
RI-274		0	Uniform	Uniform	Uniform	400
RI-282		0	Uniform	Uniform	Uniform	600
RI-275	8	0	Uniform	Uniform	Uniform	800
RI-276	8	0	Uniform	Uniform	Uniform	1,000
RI-232	4, 8, 15	0	Uniform	Uniform	Uniform	2,000
RI-233	8, 15	0	Uniform	Uniform	Uniform	3,000
RI-277	8	0	Uniform	Uniform	Uniform	4,000
RI-234	15	0	Uniform	Uniform	Uniform	5,000
RI-278	7	0	300	1,200	2,500	5,000
RI-560		0	350	1,500	3,750	7,500
RI-283	23	0	Uniform	Uniform	Uniform	10,000
RI-240	7	0	20	2,000	9,000	10,000
RI-573	8	12,000	5,000	1,000	200	0
RI-201	1, 2, 3, 4, 5, 6, 7	0	100	2,000	10,000	15,000
RI-279	15	0	Uniform	Uniform	Uniform	25,000
RI-280	21	0	1,500	6,000	12,500	25,000
RI-241	21	0	800	2,000	15,000	30,000
RI-205	15	0	Uniform	Uniform	Uniform	50,000
RI-202	8, 9	75,000	25,000	2,000	200	0
RI-242	12, 13, 18	0	6,000	25,000	50,000	100,000
RI-281	18	0	Uniform	Uniform	Uniform	200,000
RI-208	11, 12, 13, 18	0	15,000	60,000	125,000	250,000
RI-203	10, 11, 12, 13	0	2,000	20,000	200,000	500,000
RI-206	18	0	60,000	250,000	500,000	1,000,000

All above controls are potentiometer type. Where rheostat is wanted use center and one outside terminal.

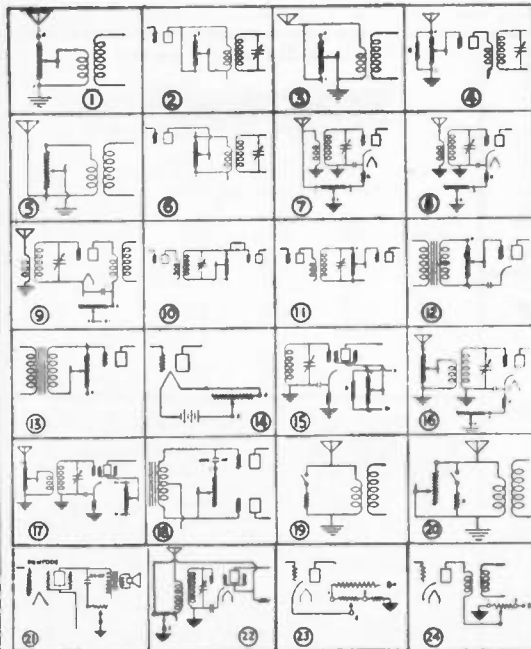
All "RI" units with standard insulated shaft
Separate Switch Assembly Complete

Your Net
Cost
\$.60
.30

ELECTRAD SPECIAL REPLACEMENT CONTROLS

Our Spec. No.	Used For	List Price	Your Net Cost	Our Spec. No.	Used For	List Price	Your Net Cost
R-49	Edison	\$1.25		RI-404	Radiola	1.50	
R-60	Fada	1.25		RI-405	Radiola	1.50	
R-147	Fada	1.25		RI-406	Radiola	1.50	
R-166	Mohawk	1.25		RI-407	Radiola	1.50	
R-179	Howard	1.25					
R-205-F	Zenith	1.75	1.05	RI-31	Stromberg	1.25	
R-296	Crosley	1.25	.75	RI-32	Stromberg	1.25	
R-1436	Strom's	1.00	.60	RI-298	Stewart-Warner	1.25	.75
R-1437	Strom's	1.00		RI-325	Fada	1.25	
R-1513-PG	Maj.	1.75	1.05	RI-347	Crosley	1.50	.90
R-1664	Phileo	1.00	.60	RI-348	Crosley	1.25	
R-1671	Eveready	1.25		RI-357	Spa'ks-With'n	1.25	.75
R-1675	Splitdorf	1.25	.75	RI-358-P	Spa'ks-With'n	2.00	
R-1684	Strom's	1.25		RI-359-P	Spa'ks-With'n	2.00	
R-1686-P	Emer.	1.75	1.05	RI-360-P	Spa'ks-With'n	2.00	1.20
R-1687	Crosley	1.25		RI-361-P	Spa'ks-With'n	2.00	
R-1711	Crosley	1.25	.75				
R-1712	Crosley	1.50	.90	RI-365	Brunswick	1.50	.90
R-1723-G	Crosley	1.25	.75	RI-372	Stromberg	1.25	.75
R-1731-P	Brun.	1.75		RI-381-G	Radiola	1.50	.90
RI-400	Radiola	1.75	1.05	RI-382	Radiola	1.25	.75
RI-401	Radiola	1.50		RI-383-G	Radiola	1.50	.90
RI-402	Radiola	1.50	.90	RI-385	Radiola	1.25	.75
RI-403	Radiola	1.50					
				F-200	A.C. Dayton	2.40	1.44
				FB-558	Leutz	2.40	

		List Price	Your Net Cost
R-1651-T	Colonial 32-AC. Ant. Pot. 15,000 ohms, Cathode Rheo. 90,000 ohms	\$2.50	\$1.50
R-1610-TP	Sterling Midget, Jesse French Midget, Ant. Pot. 2,000 ohms, S.G. Pot. 10,000 ohms	3.00	1.80
R-1670-T	R. C. A. Victor R.E. 39, 35, 57. Ant. Pot. 50,000 ohms, Cathode Pot. 1,000 ohms	2.50	1.50
R-1618-T	Temple 8-61, Ant. Cathode Pot. 12,000 ohms. A.F. Transformer Pot. 250,000 ohms	2.50	1.50
R-1434-TP	Zenith, 70 Ant. Pot. 11,500 ohms, R.F. Transformer Rheo. 110,000 ohms	3.00	1.80
R-1706-T	R. C. A. Victor R. E. 32, Ant. Pot. 4,000 ohms, R.F. Absorption Rheo. 4,000 ohms	2.50	1.50
FB-228-T	R. C. A. Victor R-15, Ant. Pot. 50,000 ohms, S.G. Pot. 50,000 ohms	4.00	2.40



Just FIVE TYPES of ELECTRAD Replacement Volume Controls required in the service kit to service 799 standard receivers.

Think of the convenience and saving in time and money that means. Think of the small stock it is necessary to carry. And think, too, of the uniform quality and satisfaction assured.

Number of
Receivers
Listed in
Hand Book
Using This
Type No. Control

RI-201	314
RI-202	194
RI-203	85
RI-204	155
RI-205	51

TOTAL 799

NOTE:—ELECTRAD STANDARD VOLUME CONTROLS are used in so many different models of receivers, it is impossible to list them all here. These models are covered in detail in the ELECTRAD REPLACEMENT HAND BOOK. If you require special Electrad Volume Controls, write us for quotations.



ELECTRAD RESISTOR REPLACEMENT HAND BOOK

\$1.
a year
with 4
supplements

The most valuable hand book ever compiled for the service man and experimenter. An accurate loose-leaf guide to resistor values in all receivers. Flexible, tough Dupont Fabrikoid cover Kept up-to-date by four supplements a year.

Hundreds of successful service men use this book daily and praise its time, labor and money-saving helpfulness.

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

YAXLEY TAKES THE BIGGEST STEP EVER MADE IN REPLACEMENT VOLUME CONTROLS



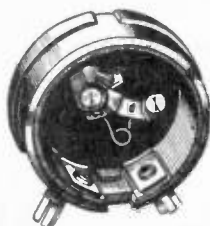
with their new control *that* saves
the cost of the switch



The new Yaxley RP Type replacement controls are now made on the "H" Type base. Every RP Type replacement control contains a Yaxley built-in, A. C. switch. When the switch is not desired, you merely remove a screw which cuts out the A. C. switch. This feature makes Yaxley the most convenient and most flexible unit for service men. There are no extra parts to be assembled by the service man in this self-contained volume control. Service men who have installed this new Yaxley control have remarked about its smooth and quiet action. This new product is designed to fit different makes of receiving sets with a minimum amount of work on the part of the service man.

RP-101 to RP-112 inclusive, include Yaxley Built-in AC Switch

Complete
Stock
On Hand



Showing the dependable built-in switch and resistance securely housed in the Bakelite base, completely enclosed and safe from damage

PRICE LIST

Catalog No.	DESCRIPTION	List Price	YOUR COST	Catalog No.	DESCRIPTION	List Price	YOUR COST
RP-101	10,000 Ohms with 300 Ohm taper...	\$1.00	\$.59	RP-120	Dual Control—Front unit 10,000 Ohms—Rear unit 5,000 Ohms	\$2.75	\$1.62
RP-102	20,000 Ohms	1.00	.59	RP-121	Dual Control—Front unit 10,000 Ohms—Rear unit 825 Ohms	2.75	1.62
RP-103	10,000 Ohms	1.00	.59	RP-122	Dual Control—Front unit 10,000 Ohms—Rear unit 645 Ohms	2.75	1.62
RP-104	3,000 Ohms with 25 Ohm taper...	1.00	.59	RP-123	Dual Control—Front unit 5,000 Ohms—Rear unit 10,000 Ohms	2.75	1.62
RP-105	2,000 Ohms with 25 Ohm taper...	1.00	.59	RP-124	Dual Control—Front unit 20,000 Ohms—Rear unit 800 Ohms	2.75	1.62
RP-106	6,000 Ohms with 50 Ohm taper...	1.00	.59	RP-128	Dual Control—Front unit 10,000 Ohms—Rear unit 10,000 Ohms	2.75	1.62
RP-107	5,000 Ohms with 25 Ohm taper...	1.00	.59	RP-133	2,000 Ohms with 30 Ohm Taper—Special Mounting	1.50	.88
RP-108	800 Ohms with 25 Ohm taper...	1.00	.59	RP-134	Special Type Control—4,500 Ohms with 160 Ohms left in circuit	1.50	.88
RP-109	600 Ohms	1.00	.59	RP-135	Special H type Control—4,500 Ohms total resistance, tapered	1.50	.88
RP-110	400 Ohms	1.00	.59	RP-136	Special H Control—1,200 Ohms, tapered	1.50	.88
RP-111	1,500 Ohms	1.00	.59				
RP-112	1,000 Ohms	1.00	.59				
RP-114	Dual Control—Front unit 5,000 Ohms—Rear unit 250 Ohms	2.75	1.62				
RP-115	Dual Control—Front unit 3,830 Ohms—Rear unit 3,830 Ohms	2.75	1.62				
RP-116	Dual Control—Special	3.50	2.10				
RP-117	Dual Control—Front unit 500 Ohms—Rear unit 2,500 Ohms	2.75	1.62				
RP-119	Dual Control—Front unit 10,000 Ohms—Rear unit 3,000 Ohms	2.75	1.62				

Insulated Tip Jacks



No. 419

Distinctive colored caps, red for positive and black for negative, are but one advantage of the Yaxley Insulated Tip Jack. The Bakelite cap lessens danger of shorting.

List Price	Your Cost
No. 407—Pair (Black and Red) in envelope	\$0.35 .12
No. 413—Green	.20 .12
No. 418—Red	.20 .12
No. 419—Black	.20 .12

Round Bakelite Head Tip Jack, mounts in $\frac{1}{8}$ " hole in panel up to $\frac{1}{8}$ " thickness. When insulating washers are used, mount in $\frac{3}{8}$ " hole.



No. 421

List Price	Your Cost
No. 420—Red	\$0.15 .09
No. 421—Black	.15 .09
No. 422—Both red and black in envelope	.25 .15
No. 423—Dark Green	.15 .09
No. 424—Brown	.15 .09

Tip Jack

Round Head Type Tip Jack mounts in $\frac{1}{8}$ " hole. When mounting on metal panels, Insulating Washers Nos. 204 and 214 are required. When using metal washers, mount in $\frac{3}{8}$ " hole.



No. 416

List Price	Your Cost
No. 416 Round Head Type	\$0.15 \$0.09

Phone Plug



No. 75

Bakelite insulation prevents current leakage. Patented feature insulating tip from sleeve prevents shorting between these parts. Equipped with screw terminals with coin slots. List Price \$0.30

List Price	Your Cost
No. 75, as illustrated	\$0.50 \$0.30
No. TC-75 with tie cord clip	.60 .36

YAXLEY

Extension Jack



No. 100

Quickly connects extension cord or wire so that loud speaker and head phone may be plugged in at any distant point.

List Price	Your Cost
No. 100 Extension Jack	\$0.75 \$0.45

Bias Resistances



Cat. No.	Resistance in Ohms	Carrying Capacity in Amperes	Mounting Centers	List Price	Your Cost
7100	100	.040	1"	\$0.30	\$0.18
7200	200	.040	1"	.30	.18
7300	300	.025	1"	.30	.18
7400	400	.025	1"	.30	.18
7500	500	.025	1"	.30	.18
7600	600	.025	1"	.40	.24
7700	700	.025	1"	.40	.24
7800	800	.025	1"	.40	.24
71000	1000	.025	2"	.40	.24
71500	1500	.025	2"	.40	.24
72000	2000	.025	3"	.40	.24
73000	3000	.025	4"	.40	.24

Moulded Twin Tip Jacks



No. 401-S

A pair of Tip Jacks moulded in Bakelite providing a completely insulated assembly with embossed designations for single screw mounting. Widely used wherever two Tip Jacks are required. Mounting hole centers 1 1/2"

List Price	Your Cost
No. 401-S—Marked "Speaker"	\$0.25 \$0.15
No. 401-P—Marked "Phone"	.25 .15
No. 401-PM—Marked "P" and "M"	.25 .15
No. 401-AG—Marked "A G"	.25 .15

WALTER ASHE RADIO CO.

1100 PINE STREET

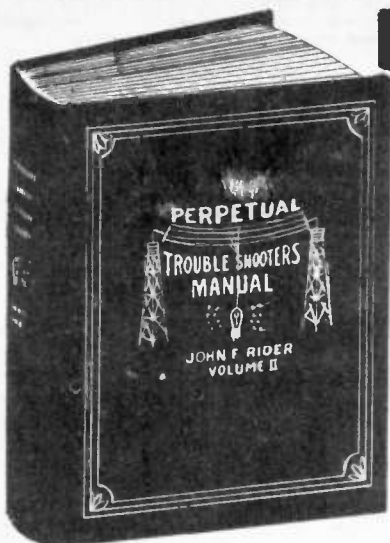


ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

5

Perpetual Trouble Shooter's Manual

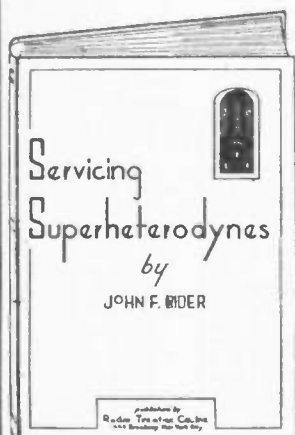


No Duplication Between Volume No. 1 and Volume No. 2. Volume No. 2 is the continuation of the Perpetual Trouble Shooter's Manual series. This volume picks up where Volume No. 1 left off.

Volume No. 1 \$4.50
F. O. B. St. Louis

Volume No. 2 \$5.00
Prepaid, No Postage

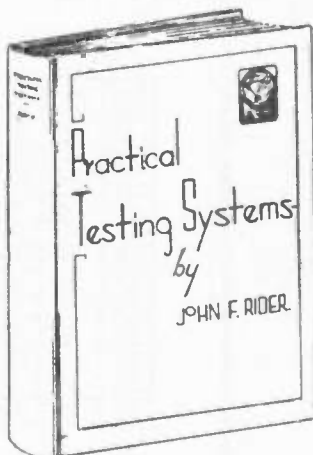
Super-Heterodyne Servicing Manual



By John Rider
165 Pages
54 Cuts
Price

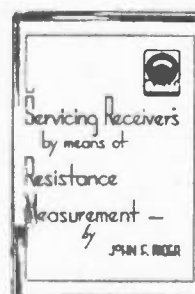
95c

Practical Radio Testing Systems



OUR NET PRICE
95c

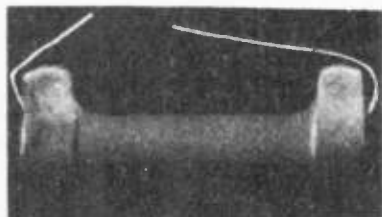
Servicing Receivers by Means of Resistance Measurement



\$1.00



OHMITE



Showing 10 watt "Wirohm" Red Devil Unit
FULL SIZE

STOCK

RED DEVILS

VALUES

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	20	150	1200	7500	45000	90000
2	25	200	1500	10000	50000	95000
3	30	250	2000	12000	55000	100000
4	35	300	2500	15000	60000	
5	40	400	3000	20000	65000	
7.5	50	500	3500	25000	70000	
10	75	600	4000	30000	75000	
12	100	750	5000	35000	80000	
15	125	1000	6000	40000	85000	

LIST PRICE

		net
1 ohm to 25,000 ohms (10 Watt	\$.35	.21¢
30,000 to 70,000 ohms (20 Watt	.65	.39¢
75,000 to 100,000 ohms (20 Watt	.75	.44¢

WALTER ASHE RADIO CO.

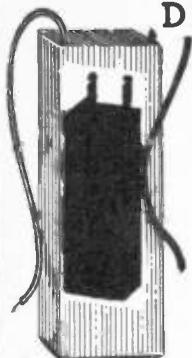
1100 PINE STREET

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO,
LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

GOING OVER BIG . .

DRY ELECTRIC HI-VOLT CONDENSERS



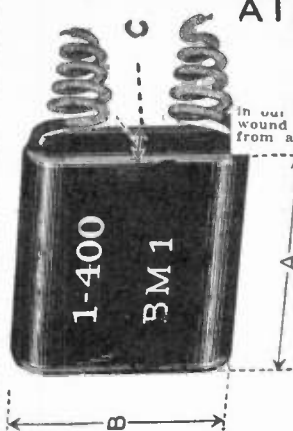
Capacity Mfd.	Working Voltage.	Our Net Price
2	450	.50
4	450	.55
6	450	.63
8	450	.70

Specify lug or lead type

ATMOSEALED UNITS (WAX DIPPED)

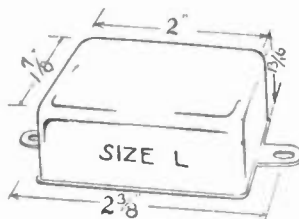
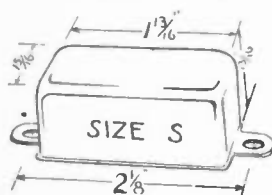
For Filter and By Pass Use

In our standard type filter condensers. Non-inductively wound using a high grade special dielectric paper, free from acid, alkali, bleaching material and impurities. Thoroughly impregnated with the same high melting point compound to protect against heat; insulated wire leads for connections. All sections carefully dipped in special wax compound to prevent absorbing moisture. Each unit securely wrapped in moisture-proof cellophane. The extremely low cost of these unmounted condensers makes them especially attractive to service men.



MADE TO
RMA STANDARDS

CASED PAPER CONDENSERS



Cap Mfd.	DC Volts	SERIES B		List Price
		Part No.	Can Size	
.1	200	B 7	S	.40
.1	400	B 9	S	.50
.25	400	B 20	L	.60
.5	200	B 26	S	.55
.5	400	B 28	L	.75
1.0	200	B 30	L	.70
1.0	400	B 32	H	1.00
2.0	200	B 36	H	1.10

OUR
NET

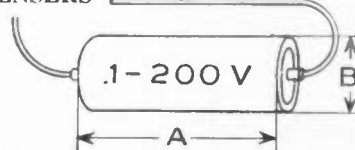
\$.15
.20
.25
.28
.30
.30
.30
.45
.60

MADE TO RMA STANDARDS

ORDER BY PART NUMBER

Cap Mfd.	DC Volts	Part No.	List Price	Approx. Size			Our Net
				A	B	C	
.1	400	EM .1	.25	1 1/8	1 1/4	1/4	\$.12
.25	400	EM .25	.30	1 1/8	1 1/4	1/2	.16
.5	400	BM .5	.45	2 3/8	1 3/4	3/8	.24
.5	600	BH .5	.60	2 3/8	1 1/2	3/4	.32
1.0	200	BL 1	.45	2 3/8	1 1/2	3/8	.23
1.0	400	BM 1	.70	2 3/8	2 1/8	5/8	.38
1.0	600	DH 1	1.00	3 3/8	2	3/4	.50
1.0	1000	CX 1	2.10	4 1/4	2 1/2	1 1/8	1.05
2.0	200	BL 2	.80	2 3/8	1 3/4	5/8	.40
2.0	400	BM 2	1.20	2 3/8	2 1/2	1	.60
2.0	600	CH 2	1.85	4 1/4	2 3/8	1 1/4	.85
2.0	1000	CX 2	3.85	4 1/4	3 1/4	1 1/2	1.85

CARTRIDGE CONDENSERS



Order by
Capacity And Voltage

Cap Mfd.	DC Volts	Size		Price	OUR NET
		A	B		
.01	400	1 3/8	3/8	.25	.10
.01	600	1 3/8	3/8	.30	.12
.02	400	1 3/8	3/8	.25	.11
.02	600	1 3/8	1/2	.30	.15
.05	400	1 7/8	1/2	.30	.14
.05	600	1 7/8	3/8	.35	.16
.1	400	1 7/8	5/8	.35	.15
.1	600	2 1/8	5/8	.45	.21
.25	200	2 1/8	5/8	.40	.18
.25	300	2 1/8	5/8	.40	.18
.5	200	2 1/8	7/8	.50	.25
.5	300	2 1/8	1	.60	.27

Compare

These

Prices

All
Made
to

RMA
Standards

DUAL UNIT TYPES

SUCH AS 2-1/10's etc.

2-1	400	B 13	L	.70
2-25	400	B 24	L	.85
3-1	400	B 17	L	.85
2-5	200	B 29	L	.80

OUR
NET

\$.35
.42
.42
.40

MADE TO RMA STANDARDS

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

WE CARRY THE MOST COMPLETE LINE OF ELECTROLYTIC CONDENSERS IN ST. LOUIS



Filter Type

MALLORY
ELKON

Low cost and high quality.



By Pass Type

CAP.	D.C. VOLTAGE	TYPE	YOUR COST
1 1/2 Mfd.	450 Volts	By-Pass	\$0.41
1. "	" "	" "	.53
2. "	" "	" "	.56
8. "	150 Volts	" "	.59
2. "	450 Volts	Filter	.56
4. "	" "	" "	.65
6. "	" "	" "	.76
8. "	" "	" "	.85
20. "	25 Volts	By-Pass	.59

Note: By-Pass Types may be used for Filters.

AEROVOX HI-FARAD

DRY ELECTROLYTIC CONDENSERS

500 Volts Peak — Long Life — Low Cost



Type E5-8



Type E5-88



Type E5-888



Type I5-8



Type P5-8

Aerovox Hi-Farad Dry Electrolytic Condensers are of superior mechanical and electrical design. The DRY characteristic of these units make it possible to mount them in any position—upright, inverted, horizontal or at any other desired angle, without danger of

spilling or leakage to cause damage to apparatus.

Their self-healing and surge proof characteristics prevent damage to the condenser from high voltage surges, thereby increasing their life indefinitely and making them safe for use in filter circuits.

TYPE E5—500 Volts D.C. Peak—(Universal Mounting Type)

Prices Include Units Complete With Mounting Rings

Type No.	Cap. of Sections Mfd.	Total Cap. Mfd.	Working Voltage	List Price	Our Price	Can Symbol and Dimensions
E5-8	8	8	450	\$1.70	\$1.02	TA 1 3/4" x 1 1/4"
E5-88	8-8	16	450	3.25	1.95	TB 2 1/2" x 1 1/4"
E5-888	8-8-8	24	450	4.50	2.70	TC 3" x 1 1/4"
E5-8888	8-8-8-8	32	450	6.00	3.60	TD 3" x 1 1/4"

TYPE I5—500 Volts D.C. Peak—(Inverted Insulated Mounting)

I5-8	8	8	450	\$1.70	\$1.02	TA 1 3/4" x 1 1/4"
------	---	---	-----	--------	--------	--------------------

TYPE P5—500 Volts D.C. Peak—(In Cardboard Containers)

P5-1	1	1	450	\$1.80	\$1.48	1/4" x 1 1/4" x 2 1/4"
P5-2	2	2	450	.95	.57	3/8" x 1 1/4" x 4 1/4"
P5-4	4	4	450	1.10	.66	1/2" x 1 1/4" x 4 1/4"
P5-6	6	6	450	1.30	.78	3/4" x 1 1/4" x 4 1/4"
P5-8	8	8	450	1.45	.87	1" x 1 1/4" x 4 1/4"

CROSLEY REPLACEMENT CONDENSERS



These units have been designed especially for replacement purposes in standard Crosley receivers

Crosley Part No.	Cap. Mfd.	D.C. W.V.	List Price	Our Price
W 4013B	1.	200	\$.85	\$.51
W 4381	.06-.06	500	1.00	.60
W 4919	.5	300	.85	.51
W 5862	1.-1.	200	1.25	.90
W 5863	.5-.5	200	1.00	.60
W 20449	.5-1	200	.50	.30
W 5943	.1	200	.65	.39
W 4968	.5	200	1.50	.90
W 7783	.1	200		

AS USUAL FIRST IN ST. LOUIS TO GIVE YOU LICENSED ROUND ALUMINUM DRY ELECTROLYTIC CONDENSERS AT LOWEST PRICES-----60% off regular list-----

4mfd	450 volts	Net	\$	0.56
8 "	" "	"	"	0.68
8-8	" "	"	"	1.30
8-8-8	" "	"	"	1.80
8-8-8-8	" "	"	"	2.40

ATWATER KENT SPEAKER FILTER CONDENSER

For Atwater Kent Models 36, 37, 38, 40, 44 and 52. These condensers are non-inductively wound, thoroughly impregnated and sealed with colored flexible wire leads to facilitate connections in making replacements. Each unit has a two hole mounting strip on one side of the casing to permit the unit to be mounted in the receiver exactly the same way as the original unit. Capacity of this condenser is .5 mfd.



OUR PRICE 70c

MAJESTIC REPLACEMENT CONDENSER BLOCK

Majestic Block for Power Unit — 816, Models 80-81-92, using 245 tubes. The Majestic 916 replacement power unit consists of three 2 mfd. sections of 400, 500 and 600 D.C. working voltages and one 1 mfd. section of 300 D.C. working voltage with a choke connected in series with latter. List \$10.00.



OUR NET PRICE \$4.50



Type No. 1120 Mfd. 1. List \$1.40 **OUR NET .45c**

AUTO GENERATOR CONDENSERS For Auto Radios

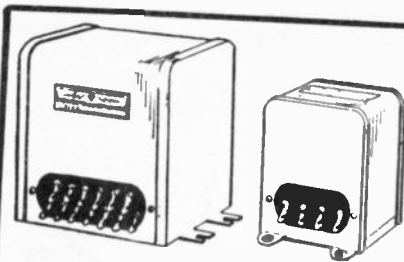
Impregnated with high melting point compound leakproof containers. Type 1120, 150 V. D.C. working volt. Steel mounting to avoid vibration. Ideal for use as interference and spark suppressors on electrical machinery.

WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

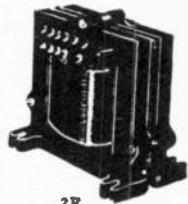
OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.



KENYON AUDIO and POWER AMPLIFIER PARTS

Oftimes especially in Public Address, Broadcast or experimental work, you have desired audio transformers with universal application. Now you can have such transformers which are listed in types BLG, BLL and BPL. Some of the universal applications are as follows: microphone to grid, microphone to line, pickup to line, plate to line, line to line, network* to line or output to network.*

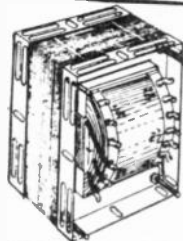
* Three 500 ohm or three 200 ohm or combination of a 200 and 500 ohm impedance.



Type No.	General Description	Mounting	Type No.	General Description	Mounting
B-31	Input trans. from 1 plate to 1 grid. 3:1 ratio.	1C	B-2250	Output Transformer for Class "B" operation from 210 or 112 plates to R.F. Modulator. Secondary Impedance 4000 ohms. Will carry 100 M.A. D.C.	2C
B-12	Input trans. from 1 plate to 2 grids in push pull. 2:1 ratio each side.	1C	BC-350	Push Pull Transformer. 250 or triple twin tubes to 500 ohm and 15 ohm line.	2C
BMI	Input Transformer for Class "B" operation from a single plate to push-pull 112 or 210 grids.	1C	BC-210	Filter choke 30 Henries, Max. D.C. 90 M.A., 350 ohms D.C. resistance	2C
B-461	Class "B" Driver Input Transformer	2C	BC-3000	Filter choke 15 Henries, Max. D.C. 150 M.A., 210 ohms D.C. resistance	2C
B-22	Input Transformer, from two plates to two grids	1C	BC-100	Audio choke for parallel feed, etc., 250 Henries, Max. D.C. 15 M.A. 3000 ohms D.C. resist.	2C
BPR	Input Transformer. Two windings, 500 ohm winding for phono, pickup and high impedance winding for plate of detector to grid of tube	1C	BC-110	10 Henry Swinging Class "H" Choke	1C
BLO	Input trans. from universal line to 1 grid.	1C	B-46 P.T.	Class "B" Power and Filament Transformer. 1140 V.C.T. at 150 mills. 2 1/2 V. at 3 amps. 2 1/2 V. 3 amps. C.T. 2 1/2 V. at 10 amps. C.T.	1LC
BLL	Mixing trans. from a universal line to a universal line	1C	B-250 P.T.	Filament and plate supply transformer for a push pull 245 or 247 amplifier and tuner.	1LC
BPL	Output trans. from a detector plate to a universal line	1C	B-2.5 F.T.	Filament and plate supply transformer for a push pull 250 amplifier and tuner.	2LC
B-500L	Audio Line Matching Transformer. Will handle up to 20 watts. Input 500 ohms, Output 2, 4, 8 or 15 ohms.	1C	B-210 P.T.	Filament trans. Secondary 2 1/2 volts, center-tapped, 10 amperes. 2000 volts test.	2C
B-2450	Output trans. from push pull 245's to a 500 ohm and 15 ohm voice coil	1LC		Power Transformer. Supplies filament and plate voltages for transmitters, power amplifiers and receivers. 1500 and 1200 volts, C.T. at 150 mills. Two 7.5 volt C.T. windings, each winding will carry 3 amps., also a 2 1/2 volt C.T. winding which will carry 10 amps. Primary 110 volts, 60 cycle, A.C. current.	2F
B-2470	Output trans. from 247 to a 15 ohm. voice coil.	2C			
RP-247	Output trans. from push pull 247's to a 500 ohm line and 15 ohm voice coil.	2C			
B-46M	Output Transformer for Class "B" 46 Amplifier to R.F. Modulator. Secondary Impedance 4000 ohms. Will carry 100 M.A. D.C.	2C			
B-460	Class "B" Output Trans.	1C			

UNIVERSAL REPLACEMENT

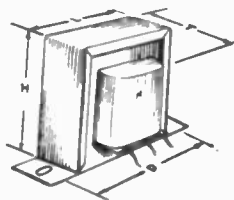
The Kenyon Transformer Company, as one of the oldest and foremost suppliers of transformers for radio manufacturers, is particularly suited as a source of supply for replacement transformers. Due to superior design, pre-tested materials and controlled production, the transformers described herein can be depended upon to stand up in service. CAN BE MOUNTED IN ANY POSITION



POWER TRANSFORMERS

The replacement power transformers shown below use a new type of mounting bracket which is an exclusive Kenyon development. Through the use of this mounting, these transformers are easily installed in the receivers indicated below, with a minimum of improvisation. Any mounting dimension between the limits given can be obtained and the items can be mounted flat without alteration. The voltage data is marked at the lugs so that the possibility of improper connection is eliminated.

Type Number	Primary	Hi. V. Secondary	Low V. Secondaries	Overall Dim.	Mounting Dim. (Small Side)	Mounting Dim. (Large Side)	
TYPE KR-1	115 volts 50/60 cycles	700 v. C.T., 125 M.A.	5 Volts 2 Amp. 2.5 V. C.T. 3 Amp. 2.5 V. C.T. 10 1/2 Amp.	3 3/4 x 4 3/4 x 3 3/4	1 1/2 to 2 1/2 x 1 1/2 to 2 3/4	1 1/2 to 2 1/2 x 1 1/2 to 3 3/4	\$3.15
TYPE KR-2	115 volts 50/60 cycles	580 v. C.T., 85 M.A.	5 Volts 2 Amp. 1.5 Volts 4.2 Amp. 2.5 V. C.T. 1.75 Amp. 5 V. C.T. 1.5 Amp.	3 3/4 x 3 3/4 x 2 3/4	1 1/2 to 2 1/2 x 1 1/2 to 2 3/4	1 1/2 to 2 1/2 x 1 1/2 to 3 3/4	\$2.40
TYPE KR-3	115 volts 50/60 cycles	650 v. C.T., 60 M.A.	5 Volts 2 Amp. 2.5 V. C.T. 1.5 Amp. 2.5 V. C.T. 8.5 Amp.	3 3/4 x 3 3/4 x 2 3/4	1 1/2 to 2 1/2 x 1 1/2 to 2 3/4	1 1/2 to 2 1/2 x 1 1/2 to 3 3/4	\$2.40



KENYON REPLACEMENT AUDIO TRANSFORMERS, CHOKES, FILAMENT AND POWER TRANSFORMERS

To assist our customers in securing general replacements we are herewith listing this line of good quality, compact replacements. You will find listed more than once the same type of Audio Transformers, the difference being that some are larger in size, having a larger core and more laminations.

Audio Transformers

Type No.	Des.	Ratio	H"	L"	T"	D"	
KA-114...	Audio	4:1	1 1/2	2 1/2	1 1/2	2 3/4	\$1.05
KA-115...	P. P. Input	2:1	1 1/2	2 1/2	1 1/2	2 3/4	1.08
KA-116...	P. P. Input (Split Secondary)	2:1	1 1/2	2 1/2	1 1/2	2 3/4	1.11
KA-119...	Audio	4:1	2 1/2	2 1/2	1 1/2	2 3/4	1.05
KA-34...	Audio	4:1	2 1/2	2 1/2	1 1/2	2 3/4	1.20
KA-35...	P. P. Input	2:1	2 1/2	2 1/2	1 1/2	2 3/4	1.23
KA-36...	P. P. Input (Split Secondary)	2:1	2 1/2	2 1/2	1 1/2	2 3/4	1.26
KA-115...	P. P. Input	2:1	2 1/2	2 1/2	1 1/2	2 3/4	1.08

Type No.	Des.	Ratio	H"	L"	T"	D"	
KA-23...	Interstage P. P. to P. P.	1 1/2:1	2 1/2	3	2 1/2	3 3/4	\$1.41
KO-451...	Output. Single 45 to voice coil.	1:1	2 1/2	1 1/2	2 1/2	1.20	
KO-452...	P. P. Output. P. P. 45's to voice coil.	1:1	2 1/2	1 1/2	2 1/2	1.20	
KO-471...	Output. Single 47 to voice coil.	1:1	2 1/2	1 1/2	2 1/2	1.20	
KO-472...	P. P. Output. P. P. 47's to voice coil.	1:1	2 1/2	1 1/2	2 1/2	1.20	
KPG...	High Impedance Phono. Pick-up to grid.	1:1	2 1/2	1 1/2	2 1/2	1.41	

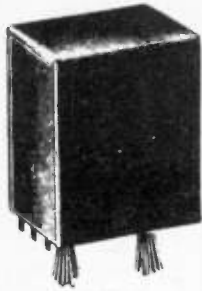
Power and Filament Transformers

Type No.	Description	H"	L"	T"	D"	
K-10...	Filament Transformer. 2 1/2 volts at 10 amps. C.T. Primary 110 V. 60 cycle, A.C.	2 1/2	1 1/2	3 3/4	1.80	
K-6...	Filament Transformer. 2 1/2 volts at 6 amps. C.T. Primary 110 V. 60 cycle, A.C.	2 1/2	1 1/2	2 1/2	1.41	
KBP...	"B" Eliminator Power Transformer. 500 v. C.T. at 50 m.a. and 5 volts at 2 amps. C.T. Primary 110 V. 60 cycle, A.C.	2 1/2	2 1/2	3 3/4	1.80	

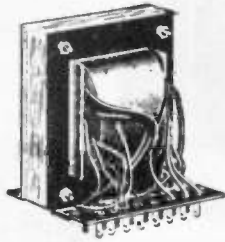
Filter Chokes

Type No.	Description	H"	L"	T"	D"	
KC-200...	20 Henrys. 50 m.a. 200 ohms D.C. resistance.	1 1/2	2 1/2	1 1/2	2 3/4	\$.78
KC-350...	30 Henrys. 90 m.a. 350 ohms D.C. resistance.	2 1/2	2 1/2	2 1/2	3 3/4	1.35
KC-40...	1 Henry. 250 m.a. 40 ohms D.C. resistance.	2 1/2	3	2 1/2	3 3/4	1.65

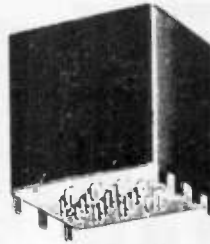
WALTER ASHE RADIO CO.
1100 PINE STREET
ST. LOUIS, MO.



**RADIOLA
STANCOR P-791**



**EARL
STANCOR P-893**



**RCA VICTOR
STANCOR P-717**

Stancor EXACT-DUPLICATE Replacement Transformers are exact duplicates of the physical and electrical characteristics of the transformers of the sets for which they were primarily designed, correctly balanced with the other equipment to insure renewal of the original performance of the set.

No re-fitting or re-drilling is necessary in their installation and there is no unsightly re-wiring to detract from a workmanlike appearance in the completed job. Each unit is packed in an individual carton containing a planograph plainly designating the connecting leads according to a standard color code... again simplifying the installation.

SONORA 2RP-25, 3R, 4R, A-30, A-32, A-40	P-1380	\$7.20
SPARTON	P-1373	\$4.29
AC-7, 62, 63	P-1204	\$6.90
25, 26, 26AW, 30, 45	P-921	\$6.60
89A	P-1372	\$6.75
103, 301-A, 578, 740, 750	P-1042	\$7.20
301	P-1196	\$4.80
410, 420	P-909	\$4.80
589	P-864	\$4.80
591, 593, 931	P-965	\$6.30
STEINITE	P-1163	\$6.15
40C, 41C, 60C, 102C		
STEWART-WARNER	P-1108	\$3.90
(Series A & B 60 cycle)	P-1108-A	\$6.24
(Series A & B 25 cycle)	P-1209	\$6.30
STROMBERG-CARLSON	P-834	\$5.70
641, 642, 652, 654	P-1053	\$6.60
846, 848		
SENTINEL (See United Air Cleaner)	P-219	\$3.75
SILVERTONE (See United Air Cleaner)	P-130	\$3.75
TEMPLE 8-60, 8-80, 8-90, 8-61, 8-81, 8-91	P-187	\$3.75
TRAVLER		
UNITED AIR CLEANER		
(Sentinel)(Silvertone) 104	P-1253	\$4.95
(Silvertone) 108, 108-B, 108-A, 110	P-420	\$3.90
WESTINGHOUSE (60-cycle)	P-927	\$4.05
(25 cycle)	P-927-A	\$5.85
WR-4	P-713	\$4.26
ZENITH (Super Zenith)	P-851	\$4.50
10, 11, 12	P-712	\$4.44
50, 60, 70		

AUDIOS		
BRUNSWICK (first audio)	14, 21, 31	AU-101 \$2.10
(Input, pushpull)	14, 21, 31, S-14, S-21, S-31	AU-102 \$2.49
(output, pushpull)	14, 21, 31, S-14, S-21, S-31	AU-103 \$1.95
(output audio)	10	A-2394 \$1.26
RCA RADIOLA	80, 82, 86	AU-100 \$5.91



**PHILCO AUDIO
STANCOR A-72-Y-G-P**



**PHILCO AUDIO
STANCOR A-104-C-P**

PHILCO 62, 65, 92, 95, 96, 96A 111, 111A,		
211, 211A, 296, 296A(pushpull audio input)	A-104-C-P	\$1.74
(for 245 tubes) 112, 112A, 212, 212A		
(pushpull audio input)	A-104-C-P	\$1.74
30, 40, 41, 42, 73, 76, 77, 77A, 82, 83, 86, 87	A-72-Y-C-P	\$1.35
(pushpull input)	A-74-Y-P	\$1.35
86, 87, Transitone 3 (1st Audio)	A-74-C-P	\$1.29
(pushpull input) 20, 20A, 21, 220, 220A		
20, 20A, 21, 40, 41, 42, 46, 62, 65, 73, 76,		
77, 77A, 82, 83, 86, 87, 92, 95, 96, 96A,		

111, 111A, 211, 211A, 220, 220A, 296,		
296A, 346 (pushpull output)	A-2318-P	\$1.29
(for 245 tubes) 90, 90A, 112, 112A, 212,		
212A (pp output)	A-2318-P	\$1.29
(Output) Transitone 3	A-2392-P	\$1.29
15, 15A, 40, 41, 42, 62, 65, 73, 76, 77, 77A,		
83, 87, 92, 95, 96, 96A, 111, 111A, 112,		
112A, 211, 211A, 212, 212A, 296, 296A		
(1st position choke)	C-1075-P	\$1.41
(Choke) 30, 62, 65	C-1141-P	\$1.29
(2nd position choke) 83, 87	C-1140-P	\$1.53

AUDIO TRANSFORMERS FOR INTERSTAGE AND PUSH PULL STAGES—Unmounted with Cadmium plated frames and bottom plates. To feed from 226, 227 or from tubes having similar plate impedances.

CORE 1/4 x 1/4" DIMENSIONS: Height 2". Depth 1 1/4". Length overall 3 1/4". Hole centers 2 1/4".

TYPE	RATIO		
INTERSTAGE	2:1	A-72	\$.87
PUSHPULL	2:1	A-72-C	\$.93
INTERSTAGE	3:1	A-73	\$.87
PUSHPULL	3:1	A-73-C	\$.93
INTERSTAGE	4:1	A-74	\$.87
PUSHPULL	4:1	A-74-C	\$.93

CORE 1/4 x 1"		
DIMENSIONS: Height 2". Depth 2 1/4". Length overall 3 1/4". Hole centers 2 1/4".		
INTERSTAGE	4:1	A-74-Y \$.90
PUSHPULL	4:1	A-74-YC \$1.05

CORE 1/4 x 3/4"		
DIMENSIONS: Height 2 1/4". Depth 1 1/4". Length overall 3 1/4". Hole centers 3 1/4".		
INTERSTAGE	2:1	A-82 \$1.14
PUSHPULL	2:1	A-82-C \$1.23
INTERSTAGE	3:1	A-83 \$1.14
PUSHPULL	3:1	A-83-C \$1.23
INTERSTAGE	4:1	A-84 \$1.14
PUSHPULL	4:1	A-84-C \$1.23

CORE 1 x 1"		
DIMENSIONS: Height 2 1/4". Depth 2". Length overall 4 1/4". Hole centers 3 3/4".		
INTERSTAGE	2:1	A-102 \$1.50
PUSHPULL	2:1	A-102-C \$1.59
INTERSTAGE	3:1	A-103 \$1.50
PUSHPULL	3:1	A-103-C \$1.59
INTERSTAGE	4:1	A-104 \$1.50
PUSHPULL	4:1	A-104-C \$1.59

STANCOR FILTER CHOKES

CHOKES (30 henries)	50MA		
DIMENSIONS: Core 3/4"x3/4". Height 2". Depth 1 1/4". Length overall 3 1/4". Hole centers 2 1/4".		C-1003	\$.69
CHOKES (30 henries)	75MA		
DIMENSIONS: Core 3/4"x3/4". Height 2 1/4". Depth 1 1/4". Length overall 3 1/4". Hole centers 3 1/4".		C-1002	\$.87
CHOKES (30 henries)	110MA		
DIMENSIONS: Core 1"x1". Height 2 1/4". Depth 2". Length overall 4 1/4". Hole centers 3 3/4".		C-1001	\$1.08
CHOKES for Atwater-Kent*			
DIMENSIONS: Core 3/4"x3/4". Iron 1 1/4"x1 1/4". Depth 1 1/4". Unmounted. *Models 36, 37, 38, 40, 42, 43, 44, 52.		C-1162	.75

WALTER ASHE RADIO CO.

1100 PINE STREET

--

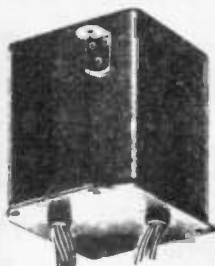
--

--

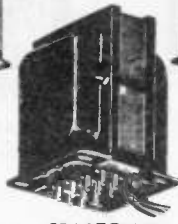
ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

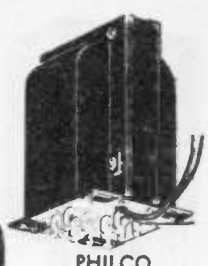
REPLACEMENT EXACT DUPLICATE TRANSFORMERS



ATWATER KENT
STANCOR P-913



SPARTON
STANCOR P-864



PHILCO
STANCOR P-711

STANCOR EXACT DUPLICATE POWER REPLACEMENT TRANSFORMERS

ALL-AMERICAN	MOHAWK Lyric 90	P-1038	\$3.90
	(25 cycle) Lyric 90	P-1038-A	\$6.24
	Lyric D & H	P-1134	\$5.10
APEX	(Superheterodyne)	10	P-1016 \$4.35
SERIES		20	P-1070 \$2.40
SERIES		32	P-1291 \$4.65
SERIES	(Gloritone)	26-P	P-1358 \$3.18
		36, 37	P-340 \$5.25
ATWATER-KENT		37, 38	P-716 \$3.00
	(Late Models)	55, 55C	P-913 \$5.70
	(Early Models)	55, 55C	P-918 \$5.85
		60, 60C	P-1066 \$5.70
		66	P-1213 \$5.10
	H-1, H-2, L-1, L-2	P-1068	\$4.20
		80, 82	P-1088 \$4.20
	(25 cycle)	80F, 83F	P-1088-A \$5.40
		82, 85	P-1084 \$4.20
	(25 cycle)	82F, 85F	P-1084-A \$5.40
	(early and late types)	84	P-1086 \$4.20
	(early and late types) (25 cycle)	84F	P-1086-A \$5.40
		87, 89, 89-P	P-1089 \$4.65
	(25 cycle)	89F	P-1089-A \$5.85
BELMONT	(Navigator)	51	P-453 \$3.81
	(Navigator)	51A, 51B	P-597 \$3.09
	(Navigator)	41, 47	P-1000 \$3.09
BOSCH		29, 825	P-859 \$5.25
BRUNSWICK	2-KRO, 3-KRO, 5-KRO,		
	3-KR-6, 5-KR-6, 5-KR	P-791	\$3.66
	3-NC-8, 5-NC-8	P-715	\$4.11
		10	P-1142 \$2.85
	(Chassis D), 12, 12-A, 16,		
	16-A, 18, 18-A, 33, 33-A	P-1136	\$4.20
	(60 cycle) 14, 21, 81, 82,		
	S-14, S-21, S-81, S-82	P-1112	\$4.50
	(25 cycles), 14, 21, 81, 82,		
	S-14, S-21, S-81, S-82	P-1112-A	\$5.70
COLUMBIA		SG-3	P-230 \$5.40
CROSLEY	(Chassis 73) 40-S, 41-S,		
	42-S, 82-S	P-1015	\$5.70
EARL		31, 32, 32-S, 41	P-893 \$4.20
EDISON	(unmounted) Chassis JR. JC,		
	(plate) P1, R2, C2	P-961	\$2.94
	(Type 8-P) R4, R5, C4	P-1143	\$5.70
EVEREADY	SERIES	30	P-1030 \$7.50
SERIES		40	P-956 \$5.40
SERIES		50	P-901 \$5.40
FREED		65, 78, 79, 79-S, 90, 95	P-893 \$4.20
FREED-EISEMANN	NR-85	P-1101	\$3.90
FRESHMAN	Q15, Q16, 3Q15, 3Q16	P-910	\$5.10
	QD-16S	P-919	\$5.40
	41, 47	P-1000	\$3.09
	51	P-453	\$3.81
	51A 51B	P-597	\$3.09

GENERAL ELECTRIC	H31, 51, 71	P-713	\$4.26
	T-41	P-927	\$4.05
	(25 cycle) T-41-C	P-927-A	\$5.85
GENERAL MOTORS	S-9-A	P-1271	\$3.12
GRAYBAR	GB-310-311	P-791	\$3.66
	GB-340	P-715	\$4.11
	GB-500, 550	P-714	\$3.96
	GB-600	P-883	\$3.96
	GB-678	P-927	\$4.05
	GB-700, 770, 900	P-713	\$4.26
KELLOGG	523, 533, 534-5-6	P-868	\$5.40
KENNEDY	10, 20	P-792	\$3.72
KOLSTER-BRANDES	K20, 22, 25, 27, 37	P-1190	\$5.70
	K24, K36	P-1191	\$6.60
	K43	P-1192	\$6.15
KOLSTER-COLUMBIA	B-15, B16	P-1193	\$6.30
MAJESTIC	(unmounted) 15-A	P-1194	\$7.50
	(Chassis 20, unmounted) Sets 21, 22, 23	P-906	\$2.40
	(Chassis 130A, 230A) 130, 131, 132, 233	P-954	\$5.40
	(unmounted) 25 & 25B	P-1102	\$6.30
	(unmounted) 50	P-1168	\$5.40
	(plate) 70, 7-P-6	P-905	\$5.70
	(filament) 70, 7-P-6	P-790	\$2.76
	90B, 100B	P-798	\$2.76
	90, 9-P-6	P-939	\$6.36
	(filament) 180, 8-P-6	P-757	\$5.19
	(plate) 180, 8-P-6	P-805	\$3.81
PHILCO	20, 220	P-789	\$4.44
	65	P-762	\$3.54
	76, 77	P-711	\$3.66
	86	P-785	\$3.66
	87	P-786	\$3.54
	95, 96, 296	P-763	\$3.66
	111, 211	P-787	\$4.29
	(for 245 tubes) 112, 212	P-788	\$4.53
	(for 247 tubes) 112, 212	P-788	\$4.53
	(60 cycle) 511	P-882	\$4.41
	(25 cycles) 521	P-784	\$3.54
	70, 270, 370, 470, 570	P-784-A	\$5.40
		P-1119	\$3.90
RCA RADIOLA	(60 cycle) 17, 18, 33, 50, 51	P-791	\$3.66
	(25 cycle) 17, 18, 33, 50, 51	P-791-A	\$5.64
	(60 cycle) 42, 48	P-927	\$4.05
	(25 cycle) 42, 48	P-927-A	\$5.85
	44, 46, 47	P-714	\$3.96
	60, 62	P-715	\$4.11
	64, 67	P-827	\$13.50
	66	P-883	\$3.96
	80, 82, 86	P-713	\$4.26
RCA VICTOR	7-11, 7-25	P-791	\$3.66
	9-18, 9-54	P-827	\$13.50
	(60 cycle) R15	P-927	\$4.50
	(25 cycle) R-15	P-927-A	\$5.85
	(60 cycle) R32, R52, RE45, RE75	P-717	\$4.11
	(25 cycle) R32, R52, RE45, RE75	P-717-A	\$6.54
	R35, R39, RE57	P-718	\$4.80
SILVER-MARSHALL	(Sheridan) 750	P-1272	\$3.54

WALTER ASHE RADIO CO.

1100 PINE STREET ST. LOUIS, MO.

REPLACEMENT EXACT DUPLICATE TRANSFORMERS

STANCOR OUTPUT TRANSFORMERS FOR SINGLE TUBE AND PUSH PULL OUT-PUT STAGES

Output Chokes

TO FEED INTO MAGNETIC SPEAKERS
CORE $\frac{1}{4} \times \frac{1}{4}$ "
DIMENSIONS: Height 2". Depth 1 $\frac{1}{2}$ ". Length overall 3 $\frac{1}{4}$ ". Hole centers 2 $\frac{1}{2}$ "

TUBE 1-112, 1-171, 1-245, 1-247
C-1003 \$.69
TUBES 112PP, 171PP, 245PP, 247PP
C-1034 \$.76

Output Transformers

TO FEED INTO 10 OHM VOICE COIL
CORE $\frac{1}{2} \times \frac{1}{4}$ "
DIMENSIONS: Height 2". Depth 1 $\frac{1}{2}$ ". Length overall 2 $\frac{1}{2}$ ". Hole centers 2"

TUBE 1-171, 1-245 A-2203 \$.60
171PP, 245PP A-2220 \$.60

CORE $\frac{1}{4} \times \frac{1}{4}$ "
DIMENSIONS: Height 2". Depth 1 $\frac{1}{2}$ ". Length overall 3 $\frac{1}{4}$ ". Hole centers 2 $\frac{1}{2}$ "

TUBE 1-171, 1-245 A-2200 \$.76
171PP, 245PP A-2201 \$.90
1-112, 1-210, 1-231

A-2227 \$.81
112PP 210PP 231PP

A-2231 \$.90

1-233, 1-247 A-2313 \$.81

233PP, 247PP A-2312 \$.99

1-238 A-2347 \$.93

238PP A-2348 \$1.05

CORE $\frac{1}{2} \times \frac{1}{2}$ "
DIMENSIONS: Height 2 $\frac{1}{2}$ ". Depth 1 $\frac{1}{2}$ ". Length overall 3 $\frac{1}{4}$ ". Hole centers 3 $\frac{1}{4}$ "

TUBES 171PP, 245PP A-2211 \$1.32
1-171, 1-245, 1-250
A-2234 \$1.26

CORE 1 x 1"
DIMENSIONS: Height 2 $\frac{1}{2}$ ". Depth 2". Length overall 4 $\frac{1}{4}$ ". Hole centers 3 $\frac{1}{4}$ "

TUBES 250PP A-2235 \$1.41
171PP, 245PP A-2285 \$1.41

STANCOR UNIVERSAL REPLACE - MENT TRANSFORMERS

To provide the local dealer and service engineer with high quality power transformers where EXACT-DUPLICATE units are not available, they are furnished with Stancor adjustable mounting frames that permit an adequate range of mounting adjustments. Made with customary Stancor quality,

FOR 6-226's, 1-227, 2-250's, 2-281's
PRIMARY: 110 volts, 50-60 cycles.
SECONDARIES: (1) 1200 volts C. T. 150 M. A. (plate).
(2) 7 $\frac{1}{2}$ volt C. T. 2 $\frac{1}{2}$ amps. (2-281's filament).
(3) 7 $\frac{1}{2}$ volt C. T. 2 $\frac{1}{2}$ amps. (2-250's filament).
(4) 2 $\frac{1}{2}$ volt C. T. 1 $\frac{1}{2}$ amps. (1-227 filament).
(5) 1 $\frac{1}{2}$ volt 6.3 amps. (6-226's filament).

P-841 \$4.62

FOR 6-227's, or 224's, 2-250's, 2-281's
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 1200 volts C. T. 150 M. A. (plate).
(2) 7 $\frac{1}{2}$ volts C. T. 2 $\frac{1}{2}$ amps. (2-281's filament).
(3) 7 $\frac{1}{2}$ volts C. T. 2 $\frac{1}{2}$ amps. (2-250's filament).
(4) 2 $\frac{1}{2}$ volts C. T. 10 $\frac{1}{2}$ amps. (6-227's or 224's filament).

P-844 \$4.50

FOR 6-227's, or 224's, 2-171A's, 1-280
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 570 volts C. T. 70 M. A. (plate).
(2) 5 volts C. T. 2 amps. (1-280 filament).
(3) 5 volts C. T. $\frac{1}{2}$ amp. (2-171A's filament).
(4) 2 $\frac{1}{2}$ volts C. T. 10 $\frac{1}{2}$ amps. (6-227's or 224's filament).

P-848 \$2.40
(25 cycle) P-848-A \$3.84

FOR 6-226's, 1-227, 2-171A's, 1-280
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 570 volts C. T. 70 M. A. (plate).
(2) 5 volts C. T. 2 amps. (1-280 filament).
(3) 2.5 volts C. T. 1.75 amps. (1-227 filament).
(4) 5 volts C. T. $\frac{1}{2}$ amp. (2-171A's filament).
(5) 1.5 volts 6.3 amps. (6-226's filament).

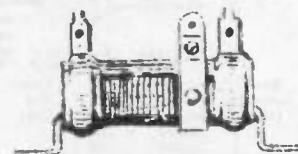
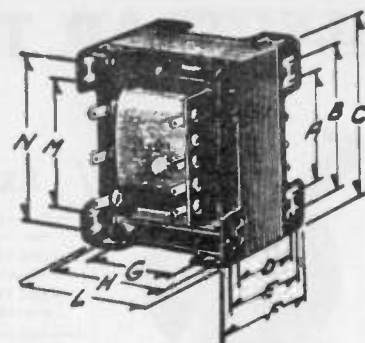
P-929 \$2.40
(25 cycle) P-929-A \$3.84

FOR 5-227's, or 224's, 1-245 or 247, 1-280
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 700 volts C. T. 70 M. A. (plate).
(2) 5 volts C. T. 2 amps. (1-280 filament).
(3) 2.5 volts C. T. 1.5 amps. (1-245 or 247 filament).
(4) 2.5 volts C. T. 8.75 amps. (5-227's or 224's filament).

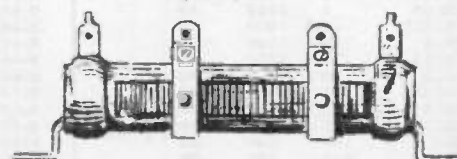
P-930 \$2.40
(25 cycle) P-930-A \$3.84

FOR 7-227's, or 224's, 2-245's or 247's, 1-280
PRIMARY: 110 volts 50-60 cycles.
SECONDARIES: (1) 700 volts C. T. 110 M. A. (plate).
(2) 5 volts C. T. 2 amps. (1-280 filament).
(3) 2.5 volts C. T. 3 amps. (2-245's or 247's filament).
(4) 2.5 volts C. T. 12.25 amps. (7-227's or 224's filament).

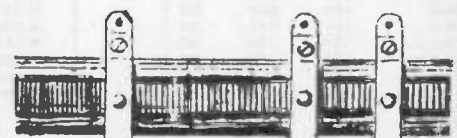
P-931 \$3.00
(25 cycle) P-931-A \$4.80



#952



#954



#956

AEROVOX "PYROHM" ADJUSTABLE RESISTORS

TYPE 952

25 WATT

1 TO 10000 OHMS

LIST .80 NET .48

TYPE 954

50 WATT

5 TO 5000 OHMS

LIST \$1.10 Net .66

5000 TO 25000 OHMS

LIST \$1.45 NET .87

TYPE 956

75 WATT

100 TO 15000 OHMS

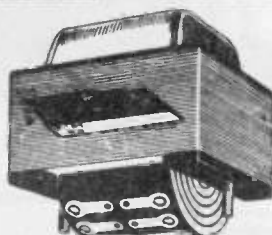
LIST \$1.40 NET .84

25000 OHMS

LIST \$1.60 NET .96

50000 OHMS

LIST \$1.75 NET 1.05



Midget Power Transformers

FOR Two 2 $\frac{1}{2}$ Volt Heater Tubes, One 2 $\frac{1}{2}$ Volt Power Tube and one 280 or one 282 rectifier.

STANCOR: Using 280 Rectifier P-985
" 282 " P-1281

List Price \$2.90

Dealers' Price \$1.35

FOR Three or Four 2 $\frac{1}{2}$ Volt Heater Tubes, One 2 $\frac{1}{2}$ V Power Tube and one 280 or 282 Rectifier.

STANCOR: Using 280 Rectifier P-952
" 282 " P-1284

List Price \$5.50

Dealers' Price \$2.65

FOR Five or Six 2 $\frac{1}{2}$ Volt Heater Tubes, Two 2 $\frac{1}{2}$ V Power Tubes and One 280 or 282 Rectifier.

STANCOR: Using 280 Rectifier P-951
" 282 " P-1285

List Price \$6.75

Dealers' Price \$3.05

WALTER ASHE RADIO CO.

1100 PINE STREET

-- -- --

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

ELECTRAD TRUVOLT

GREATLY IMPROVED
1000 VOLT INSULATION
— The Most Adaptable of All Resistors



EXCLUSIVE FEATURES

- 1—Patented construction permits larger wire, giving longer life and greater heat radiation.
- 2—TRUVOLT construction gives better electrical contact.
- 3—TRUVOLT spiral winding of the resistance wire provides finer adjustment.
- 4—Adjustable sliding clips may be added, removed or set for any desired voltages.
- 5—Every TRUVOLT Resistor has a full-length fibre guard. Prevents injury from accidental contact with tools.
- 6—Because of these exclusive features, TRUVOLTS are the most economical and adaptable of all resistors.

TYPE B—25 Watts—2 in. Long

Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost	Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost
B-.01	1	5000	\$.85		B-20	2000	112	\$.85	
B-.02	2	3500	.85		B-22.5	2250	105	.85	
B-.025	2.5	3150	.85		B-25	2500	100	.85	
B-.03	3	2800	.85		B-30	3000	91	.85	
B-.05	5	2225	.85		B-35	3500	84	.85	
B-.075	7.5	1800	.85		B-40	4000	79	.85	
B-1	10	1500	.85		B-45	4500	75	.85	
B-15	15	1250	.85		B-50	5000	71	.85	
B-2	20	1100	.85		B-60	6000	64	.85	
B-25	25	1000	.85		B-70	7000	60	.85	
B-5	50	700	.85		B-72	7200	59	.85	
B-75	75	575	.85		B-75	7500	58	.85	
B-1	100	500	.85		B-80	8000	56	.90	.54
B-2	200	353	.85		B-90	9000	53	.95	.57
B-2.5	250	320	.85		B-100	10000	50	1.00	
B-3	300	289	.85		B-120	12000	45	1.00	.60
B-4	400	250	.85		B-150	15000	41	1.00	
B-5	500	224	.85		B-200	20000	35	1.15	.69
B-7.5	750	182	.85		B-250	25000	32	1.15	
B-8	800	177	.85		B-300	30000	29	1.25	.75
B-8.5	850	165	.85		B-400	40000	25	1.30	.78
B-10	1000	158	.85		B-500	50000	22.5	1.40	.84
B-12.5	1250	141	.85						
B-15	1500	129	.85						

TYPE C—50 Watts—4 in. Long

Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost	Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost
C-1	100	700	\$1.35		C-70	7000	84	1.50	
C-2	200	500	1.35		C-72	7200	83	1.50	
C-3	300	406	1.35		C-75	7500	82	1.50	
C-4	400	353	1.35		C-80	8000	79	1.50	
C-5	500	316	1.35		C-90	9000	74	1.50	
C-7.5	750	259	1.35		C-100	10000	71	1.65	
C-8	800	252	1.35		C-120	12000	65	1.65	.99
C-10	1000	224	1.35		C-150	15000	58	1.65	
C-12.5	1250	200	1.35		C-200	20000	50	1.80	1.08
C-15	1500	182	1.35		C-250	25000	45	1.85	1.11
C-20	2000	158	1.35		C-300	30000	41	1.90	1.19
C-22.5	2250	149	1.35		C-400	40000	35	1.95	1.17
C-25	2500	141	1.35		C-500	50000	32	2.00	1.20
C-30	3000	129	1.35		C-600	60000	29	2.10	1.26
C-35	3500	119	1.35		C-800	80000	25	2.25	1.35
C-40	4000	112	1.35		C-1000	100000	22.5	2.75	1.65
C-45	4500	105	1.35						
C-50	5000	100	1.35						
C-60	6000	91	1.50	.90					

TYPE D—75 Watts—6 in. Long

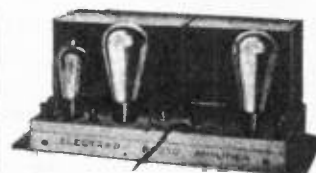
Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost	Type	Resistance in Ohms	Current Milli-ampere	List Price	Your Net Cost
D-1	100	865	1.85		D-60	6000	112	\$1.90	\$1.14
D-2	200	610	1.85		D-70	7000	103	1.95	
D-3	300	500	1.85		D-72	7200	102	1.95	1.17
D-4	400	432	1.85		D-75	7500	100	2.00	
D-5	500	387	1.85		D-80	8000	97	2.00	1.20
D-7.5	750	316	1.85		D-90	9000	91	2.10	1.26
D-8	800	306	1.85		D-100	10000	87	2.25	
D-10	1000	274	1.85		D-120	12000	79	2.25	1.35
D-12.5	1250	245	1.85		D-150	15000	71	2.50	
D-15	1500	224	1.85		D-200	20000	61	2.50	1.50
D-20	2000	194	1.85		D-250	25000	55	2.65	
D-22.5	2250	182	1.85		D-300	30000	50	2.65	1.59
D-25	2500	173	1.85		D-400	40000	43	2.65	
D-30	3000	158	1.85		D-500	50000	39	2.75	1.65
D-35	3500	146	1.85		D-600	60000	35	2.80	1.68
D-40	4000	137	1.85		D-800	80000	31	2.90	1.74
D-45	4500	129	1.85		D-1000	100000	27	3.00	1.80
D-50	5000	122	1.85						

ELECTRAD Direct-Coupled AMPLIFIERS

"B-250"

NET

\$41.70



Specifications

Power consumption—85 watts
Tubes required—One '24, one '50, one '81
Rated maximum undistorted output—4.6 watts
Rated gain at 1,000 cycles—55 db
Rated gain at 100 cycles—52.5 db
Rated gain at 10,000 cycles—51.5 db
Input volts for maximum output—28 volts
Hum level—.4 volts
Input direct to '24 control grid
Output direct from '50 plate
Speaker field current supply—2,500 ohm resistor attached, which may be removed when field current is desired

Dimensions overall—Length 16 1/2", width 7 3/4", height 7 1/4"
Net weight, exclusive of tubes—23 lbs.

LIST PRICE (Less Tubes) \$69.50



"D-450"

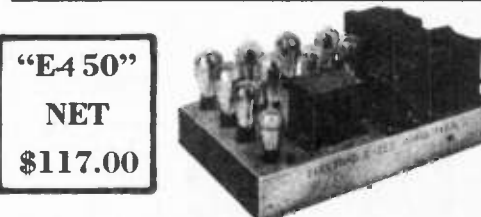
NET

\$57.00

Specifications

Gain at 1000 cycles—76 db. Gain at 100 cycles—75 db
Gain at 10,000 cycles—54 db
Undistorted power output 14.4 watts
Hum level—.5 volts
Primary watts—170
Tubes—
Input direct grid of '24
Overall dimensions—Length 22", width 9", height 10 1/2"
Net weight—exclusive of tubes—63 lbs.

LIST PRICE (Less Tubes) \$95.00



"E-450"

NET

\$117.00

Specifications

Gain at 1000 cycles—76 db. Gain at 100 cycles—75 db
Gain at 10,000 cycles—54 db
Undistorted power output 21.9 watts
Hum level—.5 volts
Primary watts—315
Tubes—
Input direct to grid of '24
Output supplied to your specifications
Overall dimensions—Length 23", width 15", height 10 1/2"
Net weight—exclusive of tubes—115 lbs.

LIST PRICE (Less Tubes) \$195.00

Add Tax to Above Prices

NEW 1933 D450 USES ONE 58, ONE 59, TWO 50's, ONE 83

NEW 1933 E450 USES ONE 58, ONE 59, FOUR 50's, TWO 83's

I R C

Metallized

RESISTORS

SIMPLIFY YOUR REPLACEMENT WORK

**1 WATT
RESISTORS
18¢
NET**



TYPE F1
(1 Watt)

Supplied in all practical ranges from 100 ohms to 10 megohms.
List Price, 30c. **Your Price 18c**



TYPE F2
(2 Watts)

Supplied in all ranges from 50 ohms to 5 megohms.
List Price, 40c. **Your Price 24c**

With I. R. C. Metallized Resistors, you obtain a guarantee of quality — a guarantee of uniformity possible only from makers of standard merchandise. Tests in the laboratories of leading set manufacturers have confirmed their remarkable accuracy and ruggedness for all radio and vacuum tube uses. Now, in their new Handy Certified Kits, these famous resistors enable you to take care of any resistor problem with more speed and satisfaction than ever before.

I R C

HANDY CERTIFIED KIT No. 1



Contains 20 F-1
1-Watt Resistors

This is the original I.R.C. kit that made such a hit with Servicemen. Contains 20 1-Watt Metallized Units ranging from 500 ohms to 3 megohms. With the help of the formulas enclosed in the kit, you can obtain thousands of resistance values. The Certified Seal insures factory guaranteed and factory-tested resistors.

List Price, \$6.00.

Your Price \$3.50

**2 WATT
RESISTORS
24¢
NET**



WW 1



WW 4

Range		
1 to 9 Ohms	\$1.50	
10 "	1.25	
25 "	1.25	
50 "	1.25	
100 "	1.25	
150 "	1.25	
200 "	1.25	
500 "	1.25	
1,000 "	1.25	
2,500 "	1.25	
5,000 "	1.25	
10,000 "	1.50	
12,500 "	1.50	
20,000 "	1.50	
25,000 "	1.50	
30,000 "	1.50	
35,000 "	1.50	
40,000 "	1.50	
50,000 "	1.50	
60,000 "	1.50	
75,000 "	1.50	
100,000 "	2.00	
125,000 "	2.00	
150,000 "	2.25	
175,000 "	2.25	
200,000 "	2.50	
225,000 "	2.75	
250,000 "	2.75	
300,000 "	3.00	
400,000 "	3.50	
500,000 "	4.00	

Your Cost
\$1.05
.87
.87
.87
.87
.87
.87
.87
.87
.87
.87
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.05
1.40
1.40
1.57
1.57
1.75
1.92
1.92
2.10
2.45
2.80

**JENSEN SPEAKERS
FOR THEATRE AND P. A.**



The new Jensen Auditorium Electro-Dynamic Speakers. Capable of handling extreme power inputs, reproducing entire tonal range with amazing fidelity. Equipped with Jensen "Tym-Flex" Cones. For use with all class "A" and "B" amplifiers.

MODEL M-20 AUDITORIUM

14 inch. Widely used for theatre, public address and outdoor announcing.
110 v. A.C. For 171-245-250 tubes. Including 82 Rectifier Tube.
List. \$67.50. **\$39.69**
NET

B-H Raytheon Tube

Full Wave Rectifying Tube.
Type BH, 125 M. A.

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

List Price.....\$4.50

Net Each \$3.00



B-A. Raytheon Tube

Full Wave Rectifying Tube
(For "A" Socket Power Devices)

To supply filament current for 201-A tubes wired in series.

Rating 350 volts RMS per Anode;
350 M. A. (maximum).
List Price.....\$7.50

Net Each \$4.95



**New Low Resistance
Auto Suppressors**

New and radical improvement in suppressors for auto radio; very effective in eliminating motor spark and distributor noises. Fits practically any car. For Buick, distributor type is used by mounting distributor head



500 OHM WIRE WOUND

Wire wound and non-inductive. Does not retard speed of car. Quickly attached. In two types, very reasonably priced
NET EACH

Plug type. **27c**
Distributor type.

**PILOT LIGHT BULBS
GENUINE G. E.
Genuine MAZDA
High Quality Bulbs**



2.5 Volts }
3.2 Volts } EACH 10c
6.0 Volts }

Per Box of Ten **72c**

Set No. T-51



Many mechanics prefer the compactness and portability of the tool roll. Contains 3 screw driver bits of crucible steel, with 1/8, 3/16, 1/4 in. blades and extra long shanks; 1 ream awl for starting screws, reaming holes, laying out parts, etc. 7 Spintite hex. bits, 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, and 1/2, with Universal Handle.
No. T-51 Set complete in roll
\$3.50 Dealer Net \$5.85 List Price

WALTER ASHE RADIO CO.

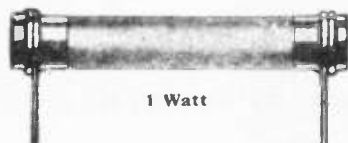
1100 PINE STREET -:- -:- -:- ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

Here's **VALUE** That **DEFIES COMPETITION!**

Pig Tail Resistors R.M.A. Color-Coded

THEY'RE
OK!



1 Watt

There is more to a resistor than color-coding and resistance measurements on a direct reading ohmmeter. To be noiseless and maintain voltages, resistances must have the proper heat coefficient. Control of this very important factor has been established in **OUR** pig tail resistors, which are manufactured by one of the largest resistor manufacturers in the country.

Stock Resistance Values

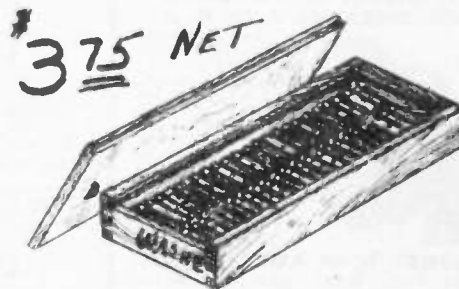
500 ohms	50,000 ohms
750 ohms	75,000 ohms
1,000 ohms	100,000 ohms
1,500 ohms	150,000 ohms
2,000 ohms	250,000 ohms
2,500 ohms	.5 megohms
3,000 ohms	750,000 ohms
5,000 ohms	1.0 megohms
7,500 ohms	1.5 megohms
10,000 ohms	2.0 megohms
15,000 ohms	3.0 megohms
25,000 ohms	

8c EACH
Net
One Watt

R. M. A. Color Coded Resistor Kits

WALTER
ASHE

For your convenience we also have these resistances in convenient kit form. These kits contain 48 of the most desired sizes from 500 ohms to 2 megohms and having as many as three and four of the fastest moving sizes. Attractively displayed in a very durable wooden case.



CLOSEOUT REPLACEMENT AUTO TRANSFORMERS



A small and compact transformer, ideally adapted to tight places and can be used in any set, AC or DC, using straight audio amplification.

It has two sets of brackets for horizontal or vertical

Your cost 74c

CLOSEOUT PUSH-PULL INPUT TRANSFORMERS



An ideal replacement job because of its compact size, efficiency and low price. Fits under sub-panel of practically every set, including midsets. Universal mounting brackets.

Approximately 2 in. cube. Wt. 1 lb.

Your cost 88c



WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.



Plain Binding
Posts



NET
.06
Ea.



Now You Can Broadcast
at home with the

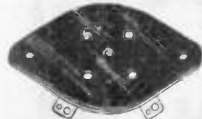
THE MAGIC MIKE SENIOR

Attach it to your own set—and you can have the time of your life interrupting Floyd Gibbons, Graham McNamee and other big radio celebrities. Make your own personal announcements come in the middle of a chain broadcast. Lots of fun . . . mystifying to your friends.

Your Cost **65c** Each

SUB-PANEL SOCKETS YOUR COST

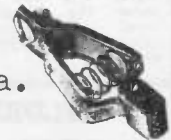
4 Prong.
5 Prong.
6 Prong.
7 Prong.



8c
EA.

The Sub-Panel Sockets are made of sturdy phosphor bronze contacts, and Bakelite. They are accurate and will fit all makes of tubes.

PEE WEE CLIPS .04 Ea.



LARGE BATTERY CLIPS .10 Ea.

BRONZE Dial Cable

Your Cost

10 ft. or less . . **10c** ft.
25 ft. or less . . **9c** ft.
More than 25 ft. **7c** ft.



"ALL COPPER" WOVEN CABLE
PER. FT. NET .04
100 FT. ROLL NET **\$2.00**

MAJESTIC CABLES
NET EACH .30
LOTS OF 6, EACH .27



No. 216
3" SCREW-EYE
INSULATORS
Shipping Weight
100—9 lbs.
Price \$ **.05**

7" SCREW-EYE
INSULATORS
Shipping Weight
100—13½ lbs.
Price \$ **.08**

Porcelain Nail Knobs
YOUR COST **2c**



Ward De-Luxe Running Board Antenna



This antenna is of the latest design and is recommended for any auto receiver. It is the only running-board antenna to have a MUD GUARD. It is easily and quickly installed. Two holes in the running-board is all that is needed.
Size: 34" x 7½"

\$2.35



75 Ft Coils
Your Cost **15c**
100 Ft Coils
Your Cost **28c**

GENUINE KELLOGG A.C. TUBES



The high quality, popular Kellogg A.C. tubes, released only after rigid laboratory tests. Shpg. wt., 1 lb. each.

Type 401 Detector
Amplifier.
List, \$4.00. **\$2.35**
Type 403.
List, \$5.00. **\$2.94**
YOUR PRICE

BELDEN AERIAL LEAD-IN STRIPS

The conductor is a thin flat strip. The tough Colorubber insulation bends easily under the window and is water-proof. Clips riveted and soldered at both ends.

No. 8890 12-in. strip packed 25 in a carton.
YOUR COST, **6c**

WALTER ASHE RADIO CO.

1100 PINE STREET --: --: --: ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

**STICK-TAPE
Inside Aerial**



Stiktape can be run along the moulding of the wall—or on the floor—in fact anywhere, with equally good results. A roll of it is more than enough for any modern radio set. Stiktape is a scientific product—very sensitive to broadcast waves and will improve the reception from any receiver. Stiktape List Price, \$1.00.

OUR PRICE
...\$0.60 ea.

SOLDERING IRONS



No. 121, 50 Watts
OUR PRICE **\$.90**
No. 141, 75 Watts
OUR PRICE **1.80**
No. 143, 300 Watts
OUR PRICE **4.25**

SAVE!

SINGLE POLE TOGGLE SWITCH

with long neck. (1 in.)
3 amps., 125 v. For wooden panels and cabinet work.

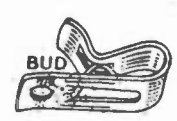
19c
Each



3 amps., 125 v.
1/4 in. shaft.

16c
Each

SINGLE POLE TOGGLE SWITCH



No. 297
Brass Spring Clip.
Price per
100 **\$1.00**

Buss Radio Fuses



1 Amper
1 1/2 "
2 "
2 1/2 "
3 "
Each .04¢

GENUINE SPARTON TUBES!



Guaranteed!



Type 484—List Price \$1.80
OUR PRICE **\$.35¢**
Type 585—List Price \$6.20
OUR PRICE **\$1.25**

RAY-O-VAC BATTERIES



Class "B"
5233 Reg. 45V. 1.13
5933 H.D. 45V. 1.66
Class "A" Dry Cells
1211 1 1/2 V. .35

Class "A"

No.	Reg.	Net
2303	Reg. 45V.	\$1.35
9303	H.D. 45V.	2.00
5303	Port. 45V.	1.54
5151	Port. 22 1/2 V.	.95
551	"C" 7 1/2 V.	.57
231W	"C" 4 1/2 V.	.30
531R	"C" 4 1/2 V.	.30

No. 213
PORCELAIN
INSULATOR
2 1/2" x 1"
Shipping Wt. 100 14 lbs.

NET
...**.03**

No. 215
CRYSTAL
POLARIZED
GLASS
INSULATORS

NET
...**.05**

No. 207
Bud Soldered Lead-in
Fabric "Weather-proof
Covered"

NET
...**.04**

ACE LIGHTNING ARRESTER



No. 202

NET
...**.10**



No. 298

**BUD HOLD FAST
GROUND CLAMP**
Cadmium Plated

NET
...**.04**

WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

AEROVOX FIXED MICA CONDENSERS



Type 1450

D.C. A.C.
Work. Volt. 500 350
Retest Volt. 1000 700

Cap. Mfds.	List Price	Our Price
.00004	\$.30	\$.18
.00005	.30	.18
.00007	.30	.18
.000075	.30	.18
.0001	.30	.18
.00015	.30	.18
.0002	.30	.18
.00025	.30	.18
.00037	.30	.18
.0005	.30	.18
.001	.30	.18
.0015	.35	.21
.002	.35	.21
.0025	.35	.21
.003	.45	.27
.004	.45	.27
.005	.45	.27
.006	.55	.33
.0075	.65	.39
.01	.75	.45
.015	.90	.54
.02	1.05	.63
.025	1.65	.99
.03	2.00	1.20
.035	2.35	1.41
.04	2.70	1.62

Premier Shielded "Conoid" Coils

Antenna and R. F. Coils



Made to be used with .00035 mfd. condenser, with all types of tubes Antenna or R. F. Coil. Specify.

These "Conoid" Coils have been produced to give you an extremely sensitive and selective antenna and radio frequency transformer. High gain. Furnished complete in a copper shield. Compact, 2 1/4" diameter.

49c

Matched Set of Three Coils (One Ant. and Two R. F.).

\$1.20

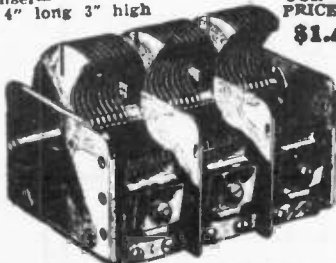
Matched Set of Four Coils (One Ant. and Three R. F.).

\$1.60

PREMIER LOW - MIN Variable 3-Gang Condenser

Unusually low minimum capacity of .00013 Mfd. with a maximum capacity of .00027 mfd.
Cat. No. 4102—Low min. variable condenser—
4" long 3" high

OUR PRICE \$1.47



Premier Low-Min 2 Gang Variable Condenser. Same specifications as 3-gang but 2 1/4" long, 4" high. Cat. No. 4101. EACH **98c**



No. 115

BUD R. F. CHOKE 80 M. H. RADIO FREQ. CHOKE

For general use in Short Wave and Broadcast Receivers, distributed capacity very low. Net Price\$0.60

No. 271 30 M.H. Net .60

No. 272 60 M.H. Net .60

No. 273 10 M.H. Net .45

No. 274 3.5 M.H. Net .45

No. 275 2.5 M.H. Net .45



I.C.A. KNIFE SWITCHES Genuine Bakelite Base

Type	Net
SPST	.30
SPDT	.36
DPST	.42
DPDT	.48

Na-ald Lock Type Analyzer Plugs

These are the newest developments in Analyzer Plugs. They can be used to replace plugs on test equipment or for connecting bench testing equipment for service department or factory.



Insert the plug into the adapter. It locks itself automatically and securely. By snapping the release in the handle of the plug, the adapter comes off. The latch is not alive. The center post in the adapter is simply a locking stud over which the latch slips.

Available in the U. X. and U. Y. types, both with and without test cables. Cable for the U. X. type comprises six wires, four wires connected to prongs, one to screen-grid cap, and the sixth to center latch. The cable for U. Y. type comprises six wires also, five going directly to the prongs, and the sixth to screen-grid cap.

The handles have screen-grid caps.

906 PLUG NET \$1.25

964 DS 6 To 4 .68

965 DS 6 To 5 .68

6131 6 To 7 .78

8 WIRE CABLE PER FT. .07

Special Shielded Lead In For Auto Radio And Short Wave Converters Per Foot Net **4 1/2¢**

HEAVY FILAMENT WIRE STRANDED EQUAL TO #10 NET PER FT. .03



Kellogg Pushback Hook-up Wire. Color, Black. 100 Ft. Rolls Net 90¢

SHIELDED CABLES

NET PER FT.

WIRE	NET PER FT.
1	.03
2	.04
3	.07
4	.07
5	.09



R.C. Hookup Wire 25 Feet 5 Colors Net 18¢



HELDEN" Speaker Extension Cords.

	Net
10 Ft.	.39
20 "	.60
40 "	1.08

BRACH SWITCH-TYPE EXTENSION OR SPEAKER CORD CONNECTOR



For use in controlling 2 speakers. Can use either speaker or both. Price Net\$0.75

BRACH EXTENSION CORD CONNECTOR Net Price\$0.31

WALTER ASHE RADIO CO.

1100 PINE STREET

--

WRN

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

YAXLEY JACKS



YAXLEY JUNIOR JACKS

Stock No.	Description	Net Price
Y-701	Open Circuit	\$0.24
Y-702	Circuit Closing	.33
Y-702A	Two Circuit	.33
Y-703	Single Circuit Fil. Con.	.33
Y-704	Interstage	.45
Y705	Two Circuit Fil. Light.	.51



YAXLEY JACKS

No.	Description	Net Price
No. 1—Open Circuit		\$0.34
No. 2—Circuit Closing		.40
No. 3—Single Circuit Filament Control		.47
No. 4—Interstage		.54
No. 5—Two circuit Filament Lighting		.60

YAXLEY JUNIOR JACK SWITCHES



Description	Net Price
No. 63—Three Pole, Double Throw	\$0.96
No. 64—Four Pole, Double Throw	1.20
No. 730—Two circuit S-P-D-T	.51
No. 740—Double circuit 2 Pole S. T.	.57
No. 760—Two Way Circuit D.P.D.T.	.72

EXTENSION JACK



YAXLEY No.100

Connects to extension cord so that speaker of phones may be plugged in at distant points without moving set.

Net Price\$0.45

No. 50 PHONE PLUG



YAXLEY No. 50

Net Price\$0.30

PUP JACKS



No. 416 JACK

Net Price, Per Pair\$0.17
Net Price, Single10

No. 415 PLUG

Net Price, Each\$0.07

MIDGET JACK

MIDGET PLUG



Serve the same purposes as the Pup Jacks and Plugs described above, only larger in size. Mount in 1/4 inch panel hole.
Net Price No. 16 Midget Jack\$0.20
Net Price No. 16 Midget Plug10
No. 423—Insulated Tip Jacks.
Net Price Per Pair

YAXLEY MIDGET BATTERY SWITCH



YAXLEY No.10

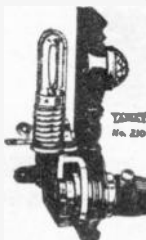
Net Price\$0.30

PANEL LIGHT AND BULB



Net Price, Panel Light\$0.34
Net Price, Bulb16

YAXLEY PILOT LIGHT SWITCH



Complete with bulb and ruby jewel.

Net Price\$0.60

Pilot Light Bracket is same as illustrated pilot light switch except for filament Switch.

Net Price\$0.30

Net Price, Bulb Ex. \$0.14

RESISTANCE UNITS



1, 2, 3, 4, 6, 8,
10, 15, 20, 25, 30,
40 Ohm.

Net Price\$0.10



CABLE MARKERS

Clamps on any insulated wire. Box contains following:
A+, A-, B-, B+DET, B+AMP, B+BF, B+Power, C+, C-, C-4, C-9, C-Power, A-C+, A+B-, ANT, GND.
Net Price Per Box\$0.17

INDUCTANCE SWITCHES

Measuring but 1 1/2 in. across.



#1614 4 Point
Net53

#1617 7 Point
Net55

#1610 10 Point Net .67

Made in all sizes from 2 to 10 points and all sizes from single gang to 4 gang.

Prices on request.

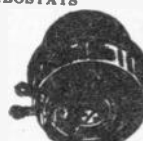
YAXLEY PUSH BUTTON JACK SWITCHES



Though frequently used and even more frequently desirable, it has been difficult to obtain a standard push button switch in the multi-spring combination. Now, Push button Switches are available in a wide range of spring combinations. The Push Button Switches are made on the Junior frame illustrated above and are standard Yaxley construction throughout.

No.	Description	Net Price
No. 2001—Make Contact		\$0.60
No. 2002—Break Contact		.60
No. 2003—Single Pole, Double Throw		.69
No. 2004—Two Make Contacts		.78
No. 2005—Two Break Contacts		.78
No. 2006—Double Pole, Double Throw		.96

JUNIOR RHEOSTATS



JUNIOR RHEOSTAT SWITCH

Furnished in 1, 2, 3, 4, 6, 10, 15, 20, 25, 30 Ohm Rheostats.

Net Price\$0.45

Potentiometers 200 and 400 Ohms.

Net Price60

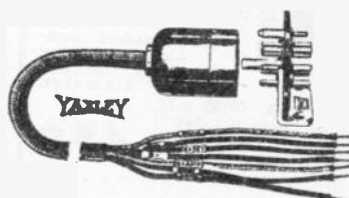
1,000, 2,000, 3,000 Ohms.

Net Price75

5,000 Ohms.—10,000 Ohms.

Net Price90

YAXLEY CONNECTORS



No. 669 CABLE CONNECTOR PLUG—7 CONDUCTORS

Net Price, Complete\$1.50

Also furnished with two Phone Tip Jacks in the plate, for Loud Speaker Connections.

Net Price with 2 extra Jacks\$2.10

No. 670 BINDING POST TYPE CABLE CONNECTOR PLUG WITH 7 CONDUCTORS

Net Price\$2.10

ALL NEW TYPES YAXLEY SWITCHES FOR MAKING TEST KITS CARRIED IN STOCK.

Parts from a Crystal to a Transmitter.

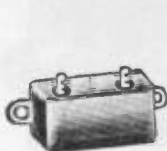
WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

GENERAL PURPOSE

Non-Inductive Condensers



Type 26



Type 61

Because of their compactness, high quality, efficiency and ease with which they can be adapted for easy assembly into any chassis layout, the condensers in the series shown are very popular with radio manufacturers, set builders and servicemen.

BY-PASS

	CAP.	YOUR COST
Type 26	.25	\$.19
With Leads	.25	.18
Type 26	.1	.14
Type 61	1.	.24
Type "4919"—(Crosley)		.25

DUTCH BOY SOLDER



Recognized by 95% of the radio manufacturers as the most practical solder of radio work. Requires no soldering paste or fluid of any kind. Flows freely, assuring a good clean resistance proof soldered joint. Its softness makes it the most desired solder on the market.

ROSIN-CORE

	YOUR COST
1-lb. Spool	\$.43
5-lb. Spool	1.95

ACID-CORE

	YOUR COST
1-lb. Spool	\$.43
5-lb. Spool	1.95

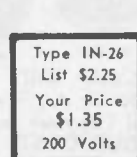
INTERFERENCE FILTERS

Aerovox Interference Filters are made in three styles. They are designed to be installed between apparatus which causes interference and the line, to prevent the interference from being transmitted over the line and cause interference. They may also be used between the line and a radio receiver to prevent interference in the line affecting the operation of the receiver.

The IN-24 is universally adapted to all circuits and is designed for all general installations. The IN-25 can be installed at any wall outlet, the screw which mounts it on the wall plate serving as the ground. The Type IN-26 is designed for insertion in extension leads.



Type IN-25
List \$1.75
Your Price \$1.05
200 Volts



Type IN-26
List \$2.25
Your Price \$1.35
200 Volts



Type IN-24
List \$5.00
Your Price \$3.00
200 Volts



Type IN-44
List \$6.50
Your Price \$3.90
400 Volts

Wirt Line Voltage Regulator

Variable resistance is controlled by turning black fibre ring on regulator until desired reception is obtained. Eight positions available. When adjusted correctly protects tubes, condensers and reduces noise and hum.

Type 2118 for use with AC sets with Dynamic Speakers (150 watts)...

List, \$3.25. YOUR PRICE \$1.95

LOW POWER MODEL

Type 211, similar to above, but for use with any set using not over 65 watts.

List, \$2.25. YOUR PRICE \$1.35



YAXLEY Resistance Units

Small, accurate, provided with combination screw eye and solder lug.

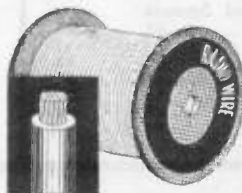
List, each, 15c — Net.....9c	Ohms	Ohms
	-10	-10
	-15	-15
	-20	-20
	-25	-25
	-30	-30
	-35	-35
	-40	-40



SPECIAL LEAD-IN AND GROUND WIRE

This wire made of special live rubber and strips easily. A stranded wire of extra good quality.

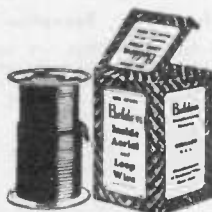
YOUR COST
1000-ft. Rolls..... \$2.75



No.	Length	Type	List	YOUR COST
No. 8856	50 feet	No. 14 Shielded.	List, per carton \$1.75	\$1.05 ea.
No. 8854	250 feet	No. 14 Shielded.	List, per spool 8.75	5.25 ea.
No. 8894	50 feet	No. 16 Shielded.	List, per carton 1.10	.66 ea.
No. 8895	250 feet	No. 16 Shielded.	List, per spool 5.50	3.30 ea.

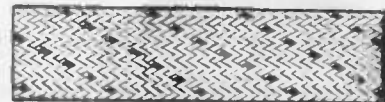
BELDEN INDOOR AERIAL AND LITZ WIRE

This flexible covered wire (65 strands), is ideal for indoor aerials and for winding radio loops. The neutral brown color is easily concealed on a picture molding or window frame.



No.	Length	Type	List	YOUR COST
No. 8840	125 ft.	brown rayon.	List, per spool \$1.75	\$1.05 ea.
No. 8887	100 ft.	Litz Wire, 20x38 stranded Beldenamel with two servings of green silk.	List, per spool 1.00	.60 ea.

TINNED COPPER SHIELDING



No.	Length	Type	List	YOUR COST
No. 8931	50 ft.	Metal Spools	List Price \$3.00	Less than \$1.80
	Inside Dia.	Per 50 ft.	4.50	2.70
	Round in Ins.	Spool	6.50	3.90
8930	13/64			\$2.25
8931	3/8			3.38
8932	25/32			4.88

WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.



No. 316
**TYPE "B" SUPER
TONE CONTROL**

Space required for mounting, 2".
To Mount, drill $\frac{3}{8}$ " hole.
Fits panel up to 1" in thickness.

YOUR COST \$1.18

**BUD TONE CONTROL and
STATIC MINIMIZER** in ad-
dition to being used for Rad-
io Receiving
Sets is used in
conjunction with
Public Address
Systems and
Theatre Talkie
Apparatus.



No. 317
**TYPE "T" STANDARD
TONE CONTROL**

Enclosed in Bakelite Case.
Size of Control Case
 $3\frac{1}{8}$ " x $2\frac{3}{4}$ " x 2".

YOUR COST \$1.18

BUD ANTENNA ELIMINATOR and SELECTOR



Cat. No. 100

**BUD ANTENNA ELIMINATOR and
SELECTOR**, is all enclosed in a Bakelite
case $4\frac{1}{2}$ " long, $2\frac{1}{2}$ " wide, and $\frac{7}{8}$ "
thick.

YOUR COST 89c

BUD RADIO KNOBS



No. 145

No. 141

No. 146

Pressed wood knob will match
knobs on G. E., R. C. A., Westing-
house, Victor and Graybar sets.

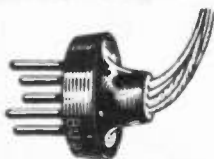
Cat. No. 141—**YOUR COST 14c**

Bakelite Knob with arrow pointer.
Fine polished finish.

Cat. No. 145—**YOUR COST 8c**

Bakelite Knob has the appearance
of a beautiful carved wood knob.
Cat. No. 146—**YOUR COST 10c**

BAKELITE CABLE PLUGS



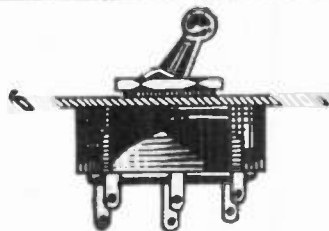
No. 290—4 Prong Plug. **YOUR COST 12c**

No. 291—5 Prong Plug. **YOUR COST 15c**

No. 308—6 Prong Plug. **YOUR COST 18c**

No. 314 —7 Prong Plug. **YOUR COST 21c**

We can also supply these plugs with
long handles, add 9c to each of the
above prices for your cost.



No. 395

**Double Pole Double Throw Toggle
Switch.** **YOUR COST 68c**

No. 393

**Single Pole Double Throw Toggle
Switch.** **YOUR COST 36c**



MAGNET WIRE

Prices Per Spool

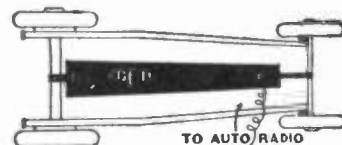
Quarter Pound Spools

Size	Double Cotton	Enam- eled
18	YOUR COST .17	YOUR COST .15
20	.18	.16
22	.21	.17
24	.24	.18
26	.30	.19
28	.35	.21
30	.42	.23

Half Pound Spools

18	YOUR COST .31	YOUR COST .29
20	.34	.31
22	.39	.33
24	.43	.35
26	.55	.37
28	.65	.39
30	.79	.42

BUD AUTO AERIAL



Cat. No. 301

This Aerial has a screen mesh 72" long
sewed into a leatherette covering, giving
greatest possible pick up. It is sus-
pended between the axles bringing it as
near to the ground as possible without
taking any chances of damaging aerial.
Very easily installed, just place webbing
around axle and draw up tight on buckle.
A heavy coiled spring is provided to
take up any slack.

YOUR COST \$1.62

THREE CONDUCTOR SHIELDED AND UNSHIELDED MICROPHONE CABLE



Less than 10' .07
10' to 99' .06
100' rolls \$5.20

JANETTE ROTARY CONVERTERS



Transforms D.C. to A.C.

Janette Rotary Converters are compact,
dynamically balanced units which change
direct current to 110 volt, 60 cycle, alter-
nating current for the operation of A.C.
radio sets on D.C. circuits.

Creates Big Market for A.C. Sets

The Janette Rotary Converter, and espe-
cially the new CA-20-F, opens up a fertile
field for A.C. radio sales. Over 500,000
farmers own 32 or 110 volt D.C. lighting
plants. Every one of them is a prospect
for a double-profit sale consisting of an
A.C. radio set and a Janette Rotary Con-
verter. Alert radio dealers and jobbers
everywhere are seizing this opportunity to
build new volume.

And on top of it all there is the great
market in the D.C. districts of large cities
—plus the marine field.

JANETTE

Perfect Radio Reception

Janette Rotary Converters are equipped
with the Janette Filter which prevents con-
verter interference from reaching the radio.
Janette Converters are guaranteed not to
interfere with radio reception.

Frame	Out- put Watts	Input D.C. Volts	List Price	Our Price
CA-20-F	80	32	\$40.00	\$28.50
CA-20-F	110	32	49.50	35.00
CA-18-F	150	32	54.50	38.75
C-13-F	300	32	75.00	53.00
CA-20-F	80	115	40.00	28.50
CA-20-R	110	115	49.50	35.00
CA-18-F	150	115	54.50	38.75
C-13-F	300	115	75.00	53.00
CB-12-F	500	115	95.00	69.25
CA-20-F	40	6	54.00	39.40
CA-18-F	60	6	59.00	45.35
CA-20-F	80	12	54.00	39.40
CA-18-F	120	12	59.00	45.35
C-13-F	160	12	81.00	60.75
CA-20-F	80	230	40.00	28.50
CA-20-F	110	230	51.50	37.30
CA-18-F	150	230	56.50	40.70

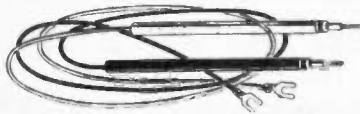
WALTER ASHE RADIO CO.

1100 DINE STREET

ST. LOUIS, MO.

Ever-Ready Test Leads

EVER-READY TEST LEADS are a convenience and necessity to set owners and Radio Service Men. They are unsurpassed for testing sets and tracing trouble in Radio Sets, where shorts and other defects are encountered. EVER-READY TEST LEADS are made of the finest quality of Insulated Flexible Wire with Covering over the Rubber Insulation. Black is used to denote negative (-) and Red is used to denote positive (+) identification.



Cat. No. 280

Made of the finest quality of fibre tubing obtainable. Wire used is 42" long. Can be supplied with spade terminals or phone tips.

YOUR COST 27c



Cat. No. 184

Test Leads enable the testing of a circuit without having to remove the insulation from the wire. The sharp needle point which is inserted into the chuck enables the serviceman to penetrate the insulation on wires without injuring the insulation. Supplied with either spade or phone tip terminals. Length of wires 42"

YOUR COST 44c



Cat. No. 1841

Test Lead has long sharp needle point. This Test Lead is similar to No. 184 only that point is not removable.

Supplied with either SPADE or PHONE TIP TERMINALS.

Length of Wires 42".

YOUR COST 29c

NEUTRALIZING and COMPENSATING SCREW DRIVER



Cat. No. 287

YOUR COST 18c

4-IN 1 NEUTRALIZING and ALIGNMENT TOOL



Cat. No. 118

YOUR COST 44c

No. 119-M Majestic Attachment for 4-IN 1 TOOL.
YOUR COST 12c

No. 119-C Crosley Attachment for 4-IN 1 TOOL.
YOUR COST 12c

No. 281 BUD BALANCING TOOL and ATTACHMENT



Cat. No. 281

Enables the serviceman to neutralize or balance any radio without having to remove chassis from cabinet. Over-all length of BUD BALANCING TOOL is 2½". This makes possible working in very close quarters. If additional length is desired, screw BUD BALANCING TOOL into No. 118 BUD NEUTRALIZING and ALIGNMENT TOOL.

YOUR COST 27c

Moulded Tube Sockets



TUBE SOCKETS are made of moulded bakelite and hold the tubes firmly in place, assuring positive contact. These Sockets can be supplied in either base or panel mount. Base mounting socket contacts come out of sides of socket. Panel mount sockets have the contacts at the bottom of socket.

BASE MOUNT

No. 264—4 Prong.	Your Cost 15c
No. 265—5 Prong.	Your Cost 15c
No. 266—6 Prong.	Your Cost 21c
No. 267—7 Prong.	Your Cost 21c

PANEL MOUNT

No. 268—4 Prong.	Your Cost 15c
No. 269—5 Prong.	Your Cost 15c
No. 270—6 Prong.	Your Cost 21c
No. 271—7 Prong.	Your Cost 21c

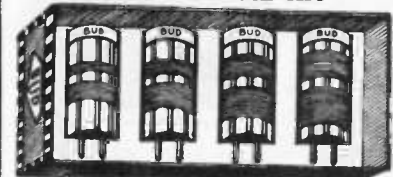


Cat. No. 203
BUD LOCK-TITE
GROUND CLAMP
Your Cost 9c



Cat. No. 298
BUD HOLD FAST
GROUND CLAMP
Cadmium Plated
Your Cost 6c

BUD SHORT WAVE AND TELEVISION LO-COIL KIT



Cat. No. 222—4 Coils
Wave Range 16 to 200 Meters when tuned with .00015 MFD Variable Condenser. Wiring Diagram for building Short Wave Radio Set included with each set of Coils.

YOUR COST \$1.77



BUD TUBE SHIELD

For Screen Grid or 27 type tubes Perforated in top for air circulation and made of excellent grade of drawn aluminum. Highly polished. Size 4½" high, 2½" in diameter. Supplied with Base.

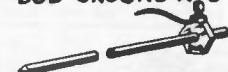
Cat. No. 292 **YOUR COST 15c**

BUD ALUMINUM TUBE SHIELD

For 57 or 58 Type Tubes.

Cat. No. 392 **YOUR COST 19c**

BUD GROUND ROD



Cat. No. 210

Cadmium Plated

Packed 12 to carton

4 Ft. Your Cost 27c ea.
6 Ft. Your Cost 39c ea.

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

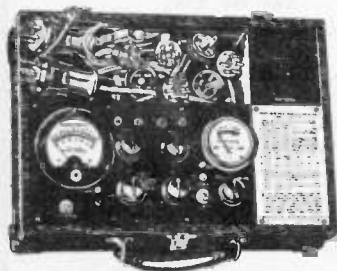
ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

SERVICING *Readrite* INSTRUMENTS

RESISTANCE CONTINUITY AND CAPACITY TESTER NO. 1000

For Set Analyzing, Testing Voltages, Milliamperes, Resistance and Capacity.



Combines the very latest method into one instrument for testing resistances, continuity, and capacity of radio receiving sets, without removing chassis from cabinet. The 3 1/2" D.C. precision meter, 0-1 m.a., has the lower scale divided into 60 divisions—0-30-300-600 D.C. Volts. The upper scale reading is in ohms and megohms. Three scale readings are available for resistance measurements, 0-500, 0-50,000 ohms, and 0-3 megohms. Can also be equipped to test up to 6 megohms. Resistance tests are quickly made with extreme accuracy. The A.C. meter is calibrated for reading directly in microfarads. Also for testing line voltage. The lower scale reading is .008 to .25. The upper scale reading is .1 to 10 mfd. The instrument is calibrated for use on 60 cycle at 110 volts. The rheostat regulates the correct voltage to be applied. The battery compartment for the resistance testing contains two 22 1/2 volt batteries and one small flashlight cell. Very small drain on B battery.

Its operation is extremely simple. Designed primarily to make a complete analysis of the set circuit from the set socket, including resistances, continuities, capacities and short circuits. With sets as they are constructed today, testing socket voltages only is not enough to determine and locate set troubles.

Two plug-in cables and two separate cords are provided for testing through the set socket of the resistance of voltage dividers, series resistors, transformer primaries and secondaries, filter chokes, speaker fields, capacities of paper mica type condensers of the different tube circuits. Jacks are provided for individual tests separate from the plug connections for all the above, and in addition milliamperes 0-30-300.

The No. 1000 Tester is designed especially for arriving at set troubles quickly and with precise measurements, enabling the serviceman to locate efficiently any fault that may exist in the audio tube circuit. Case is strong and covered with bakelite. The cover is removable. Battery compartment has separate panel. The No. 1000 Tester will bring your equipment up-to-the-minute, simplifying set analysis by this latest method.

\$32.34

CAPACITY TESTERS Electrolytic—Paper Type

No. 850 Capacity Tester contains one d.c. and one a.c. meters.

Reads directly the capacity of condensers. The A.C. meter connects to a.c. supply line and adjusts to 110 volts. Test paper type condensers .008 to 10 mfd. The D.C. voltmeter connects to rectifier tube and adjusts to 300 volts. Selector switch provides for measuring voltage, also forming and testing milliamper capacity of electrolytic condensers. The maximum reading for a good electrolytic condenser is 2 m.a. per mfd. In a seamless metal case, with or without cover. A very practical and convenient instrument.

No Cover

\$8.82

With Cover

\$10.00

We carry a complete line of Readrite Meters for all purposes. Write us about any special meter requirement. We have it or can get it for you. At your request we shall be pleased to send you free, complete literature on the Readrite line of meters and test equipment.



No. 800, same as No. 850 in part for testing paper type condensers only. In a seamless metal case 4 1/4 in. diameter, baked enamel finish.

\$4.70

New Type Illuminated Dial COUNTER TUBE TESTERS

No. 406—No. 407



Equipped with 6 and 7 prong sockets. Dealers and servicemen use the No. 406 Tester for checking all new and old tubes used in receiving sets. Test card attached to panel gives simple instructions. Anyone can operate. A single push button provides two plate current readings for determining the conductance and worth of a tube. A new and outstanding feature applies the same test to rectifier as all other types of tubes. A separate push button provides for testing both plates of '80 type tubes. The simplified single scale meter is made possible by the wide change in readings. The meter is connected in tip jacks. Attached to the meter is a small protecting fuse. A pilot light is also directly underneath the meter for illuminating the dial.

provides two plate current readings for determining the conductance and worth of a tube. A new and outstanding feature applies the same test to rectifier as all other types of tubes. A separate push button provides for testing both plates of '80 type tubes. The simplified single scale meter is made possible by the wide change in readings. The meter is connected in tip jacks. Attached to the meter is a small protecting fuse. A pilot light is also directly underneath the meter for illuminating the dial.

\$14.70



No. 450

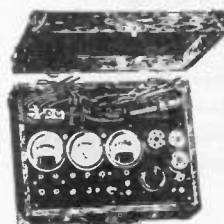
A handy instrument having 3 flash lamps and switch lever for determining shorts in 4 and 5 prong tubes.

Your Cost, **\$2.06**

READRITE

TUBE SHORT TESTER

TUBE AND SET TESTER NO. 710—NO. 610



Provides tests for 6 and 7 prong tubes and circuits. These three meter testers are equipped with a practical selector switch for checking all parts of the tube circuits by connecting to the set sockets. Selection for testing voltages of plate, grid, cathode and screen-grid is done quickly and accurately.

Plate current, filament volts, also line and power supply volts are measured. The grid swing test for tubes is used. Just push one button for screen-grid and another button for other tubes. Makes testing of all type tubes simple and thorough. A 4 1/2 volt grid battery is furnished. The battery is used for the grid test and also continuity testing of transformers, chokes, etc. Both A.C. and D.C. filament voltages are accurately measured on the one meter. Provision made for testing tubes. Contains new wiring with added 6 and 7 hole sockets. Housed in a strong case with leatherette covering. Attractive. Compact. Complete. Fills every need for the expert serviceman or the beginner in radio set testing. Size: 10 1/4 x 3 1/2 x 8". Cover is removable.

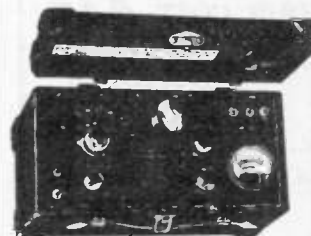
\$14.70

No. 610

The No. 610 contains the same equipment as No. 710. The carrying case is larger with lock. Space: 6 1/4 x 13 1/4 x 1 1/2" deep for carrying tubes, tools, etc. The test equipment and panel are in a removable tray in the top of the case. The tray equipment may be used separately as a complete test panel for shop purposes.

\$17.64

TEST OSCILLATOR NO. 550



A completely shielded oscillator covering the entire broadcast band 550 to 1500 k.c. The intermediate band is also read directly from 120 to 185 k.c. For sets using i.f.s. more than 185 k.c. ample signal response is obtained by use of harmonics as designated in instructions. This includes recent sets employing 260, 262, 475 k.c. i.f. Furnished with 22 1/2 v. and 3 v. batteries and one '30 tube. Self modulated. Extremely compact and accurate. Shielded antenna lead wire furnished. Test lead wires and break-in adapter furnished where equipped with output meter. Full operating instructions in case cover. In attractive leatherette case with removable cover. Weighs but 8 pounds. Size: 6 x 12 x 5". One of the serviceman's most important instruments. Used to align r.f.d. gang condensers, locate defective r.f. transformers, adjust i.f. transformers, check oscillator stage, compare gain in tubes and determine sensitivity of a receiver. Furnished with or without output meter built in the panel.

With Output Meter **\$20.58**

Without Output Meter **\$17.64**

WALTER ASHE RADIO CO.

1100 PINE STREET

-- -- --

ST. LOUIS, MO.

SUPREME DIAGNOMETER A A A 1



FIVE ultra-modern essential testing instruments in one for the price of one. **SUPER DIAGNOMETER**, plus **SHIELDED OSCILLATOR**, plus **ADVANCED TUBE TESTER**, plus **OHM-MEGOHMMETER**, plus **CAPACITOR TESTER**. The most complete and compact testing instrument in radio history. A super **DIAGNOMETER** with meter ranges to 2500 volts. A completely shielded **OSCILLATOR**, calibrated for every frequency between 90 and 1500 kilocycles. Tube Testing, Ohm-Megohmmeter, and Capacitor Testing features never before incorporated in any testing instrument.

Provides for ALL the new tubes, 4-prong, 5-prong, 6-prong and 7-prong, without the use of Adapters and for the analysis of the circuits in which these tubes are utilized. All in all the most positive, the most advanced, the easiest to handle of any radio testing instrument. **SMALLER LIGHTER HANDIER CASE**. A combined test panel and portable lab.

Dealers' net price
f.o.b. Greenwood,
Miss.

\$147⁵⁰

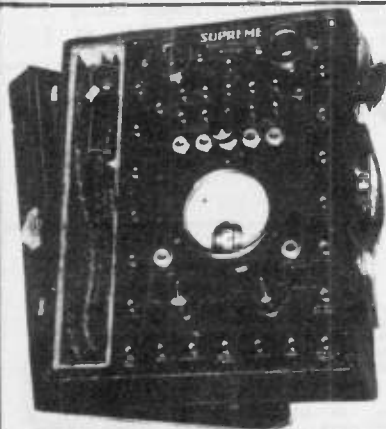
Supreme Set Analyzer No. 90

POSITIVE—PORTABLE! A new Model 90 Analyzer, with some of the tremendous features of the AAAI **DIAGNOMETER**. Greater simplicity; greater range and speed. Takes care of all the new tubes, 4-prong, 5-prong, 6-prong and 7-prong, without adapters.

The only Analyzer providing complete rectifier circuit analysis, including helium rectifiers, and providing direct readings of resistance values up to 500,000 ohms, in two ranges, utilizing the same 4.5 battery potential provided in the Analyzer. There is no Analyzer on the market today remotely approaching the servicing range and elasticity of the new **MODEL 90**.

Your Cost is

\$78.50



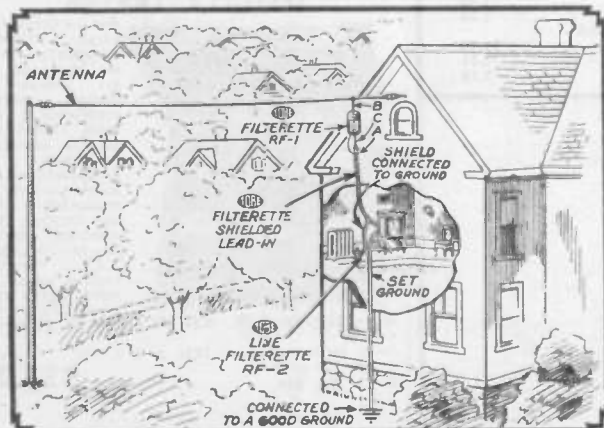
MODEL 56 SET ANALYZER

Six alternating and six direct voltage ranges 0/3, 0/9, 0/30, 0/90, 0/300 and 0/900 volts and five alternating and five direct current ranges 0/3, 0/9, 0/30, 0/90 and 300 milliamperes are provided for all measurements. In addition three ranges 0/3, 0/30 and 0/300 are provided for external D.C. voltage measurements with a sensitivity of 2750 ohms-per-volt for use in measuring voltages across high resistance circuits. All current and voltage ranges are also externally available at insulated pin jacks.

Dealers' net price
f.o.b. Greenwood,
Miss. **\$56²⁵**

TOBE

**NEW
Filterizer
STOPS
RADIO NOISES**



**KIT No.1
OUR NET
\$5.85**



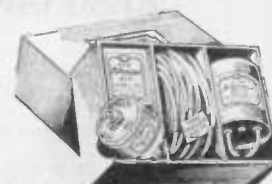
The Tobe Filterizer Kit includes

- 1—Antenna Filterette RF-1
- 1—Line Filterette RF-2
- 1—Filterized Shielded Lead-in RF-3

PRICE COMPLETE \$9.75

**Price
Complete
\$4⁶⁵**

net
\$2.79



The Tobe Model 33 Filterizer kit includes
1—Aerial Filterizer RF-1
1—Receiver Filterizer RF-1
1—Filterized Shielded Lead-in
RF-3 75 feet

WALTER ASHE RADIO CO.

1100 PINE STREET



ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

SERVICING *Readrite* INSTRUMENTS



NARROW RIM PANEL TYPE

Mounting Hole 2 5/64"

D.C. VOLTMETERS

No.	Volts	Ohms	Price
603	0-2	175	\$.59
605	0-5	410	\$.59
326	0-6	550	\$.59
335	0-8	850	\$.59
310	0-10	1475	\$.59
316	0-15	2914	\$.59
333	3-0.3	550	\$.59
607	0-25	1625	\$.59
337	0-50	3250	1.59
337-H	0-50	15440	1.76
339	0-100	6500	.73
342	0-150	9750	.88
346-P	0-300	92640	1.96
347-P	0-500	154400	2.35
246-P	0-60-300	92640	2.35
609	0-750	231600	2.94

D.C. AMMETERS

No.	Amps	Price
336	0-3	\$.59
381	0-5	\$.59
338	0-10	\$.59
303	3-0.3	\$.59
606	6-0.6	\$.59
110	10-0.10	\$.59
220	20-0.20	\$.59

D.C. MILLIAMMETERS

No.	Volts	Ohms	Price
305	0-5	2160	\$1.18
311	0-10	700	1.03
315	0-15	295	1.03
325	0-25	85	\$.59
350	0-50	20	\$.59
390	0-100	5.5	\$.59
391	0-150	3.3	\$.59
392	0-200	1.9	\$.59
399	0-300	.8	\$.59
394	0-400	.5	\$.59
395	0-20-0.100	175/30	1.03
402	0-15-150	305/24	1.03

A.C. VOLTMETERS

No.	Volts	Price
314	0-4	\$1.47
353	0-6	1.47
352	0-10	1.47
351	0-15	1.47
348-P	0-150	2.35
349-P	0-300	2.94
247-P	0-600	3.53
249	0-750	4.12
355-P	0-10-140	2.35

A.C. AMMETERS

No.	Amps	Price
361	0-3	\$1.47
362	0-5	1.47
363	0-10	1.47

A.C. MILLIAMMETERS

No.	Volts	Price
370	0-25	\$1.47
371	0-50	1.47
372	0-100	1.47
373	0-250	1.47
374	0-500	1.47

OUTPUT A. C. VOLTMETERS



A reliable instrument for indicating output voltage of a radio set. Used for lining up r.f. and i.f. stages by determining maximum gain. Also comparing gain of tubes, r.f. tuner selectivity, hum, and fading. A practical, low priced d.c. voltmeter with copper-nixie rectifier of the full wave type. Model No. 555 is same assembly as used on No. 550 oscillator. For convenience the portable instrument Model No. 575 has been designed. Test leads are furnished with Model No. 575. Case is baked enamel over seamless steel 4 1/2" dia. The assembly includes voltmeter, rectifier, jacks and condenser. Connect low voltage (0-5) jacks to dynamic speaker voice coil, and high voltage (0-50) jacks to magnetic speaker terminals.

CASE TYPE No. 575

\$4.41

PANEL TYPE No. 555

\$3.83

Exactly same assembly as described above with exception that it is mounted on panel. This instrument is the same output meter as used with 550 oscillator. No test leads included.



PORTABLE

POCKET

PORTABLE TYPE

D.C. VOLTMETERS

No.	Volts	Price
346	3" Case 0-300	\$2.65
347	3" Case 0-500	3.23
446	3" Case 0-60-300	2.65
750	3" Case 0-750	3.53

D.C. MILLIAMMETERS

No.	Volts	Price
225	0-25 m. a. 85	\$1.76
290	0-100 m. a. 5.5	1.76
292	0-200 m. a. 1.8	1.76
294	0-400 m. a. 0.5	1.76

D.C. AMMETERS

No.	Amps	Price
281	0-5	\$1.76
238	0-10	1.76

A.C. VOLTMETERS

No.	Volts	Price
348	0-150	\$2.35
349	0-300	2.94
247	0-600	3.52
248	0-150-750	4.71

A.C. MILLIAMMETERS

No.	Volts	Price
470	0-25 m. a.	\$1.76
471	0-50 m. a.	1.76
472	0-100 m. a.	1.76
473	0-250 m. a.	1.76
474	0-500 m. a.	1.76

A.C. AMMETERS

No.	Amps	Price
461	0-3	\$1.76
462	0-5	1.76
463	0-10	1.76

RESISTANCE METER MODEL 501



No. 501. Resistance meter as used in No. 500 ohmmeter. Furnished either with wide flange as shown or narrow rim type for rear clamping. A thoroughly reliable instrument at a popular price. Requires three small flashlight cells, which with resistance to be measured are connected in series with meter. Used for testing resistances in radio receiving sets, and circuits generally. Fine for continuity tests. **\$1.47**

No. 503—Resistor, 1150 ohms with jack terminals for use with 22.5 volt battery to increase reading of No. 500 ohmmeter to 60,000 ohms. **88c**

Same without jack terminals for 501 meter. **59c**

No. 504—Resistor, 2300 ohms, center tapped, for use with 45 v. battery to increase reading of No. 500 and No. 502 ohmmeters to 100,000 ohms, with tip jacks. **\$1.18**

TYPE H FLANGE



Used to convert Readrite Model 55 meters to wide flange type. Black 3 hole rim mounting holds meter to panel without back support. Flange diam. 2 1/2".

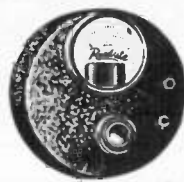
List 15c.

NET

9c

DIRECT READING OHMMETER

Complete with a small 3-cell flashlight battery; current drain negligible. Tests resistances up to 10,000 ohms. Model 502 has a second scale to test low resistances to 40 ohms, in addition to 10,000 ohms. Voice coils of dynamic speakers and shorted turns of i. f. transformers are tested best on the low range. Knob adjusts the needle to full scale. Wire leads are furnished for continuity tests. Case is baked enamel finish, seamless steel, 4" dia. Weight one pound. No. 500—0-10,000 ohms. **\$3.53**



No. 502—0-10,000 and 0-40 ohms **\$4.12**

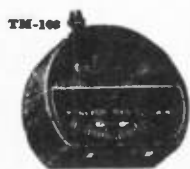
UTILITY TESTER



For servicing electrically operated refrigerators, ironing machines, water pumps, oil burners, stokers, ventilating systems, ranges and general household appliances.

Contains input and output outlets for measuring volts and amperes, A.C. Ammeter reading up to 20 amps., A.C. Voltmeter reading up to 300 volts, and a complete direct reading.

ing Ohmmeter 0-40, 0-10,000 ohms for continuity testing. In a leatherette case 10 1/4 x 8 x 3 1/4". Shipping weight 10 pounds. Stock No. 900. **\$13.23**



RESONANCE TUNING METERS

supplied 0-5, 0-7, 0-10, 0-15 m. a.

—SPECIFY READING—

\$1.50 LIST PRICE

Net Price **90c**

WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

BEEDE PRECISION ELECTRICAL INSTRUMENTS



3 1/4 inches diameter

Also available in D.C.
Voltsmeters both regular and
1000 ohm per volt
Ask for prices

MODEL 701 PANEL INSTRUMENTS — FLUSH TYPE D.C. MILLIAMMETERS — SINGLE RANGE

Range	Divisions	Price	Net
0-1	50	6.00	\$4.20
0-1.5	60	6.00	
0-2	40	6.00	
0-3	60	6.00	
0-5	50	4.75	All these \$3.32
0-10	50	4.75	
0-15	60	4.75	
0-20	40	4.75	
0-25	50	4.75	
0-30	60	4.75	
0-50	50	4.75	
0-100	50	4.75	
0-150	60	4.75	
0-200	40	4.75	
0-250	40	4.75	
0-300	60	4.75	
0-500	50	4.75	
0-800	40	4.75	
0-1000	50	4.75	

The new line of Beede D'Arsonval type of moving coil meters listed in this bulletin possess the two vital factors which must appeal to every user of this style of instrument.

The first and most important is quality and efficiency. The improved design of the moving coil assembly permits a greater simplicity of construction than has heretofore been possible in the art. This results in unusual ruggedness, high accuracy and freedom from interference of dust and foreign matter. The meter is perfectly balanced in all positions, and the moving system is exceptionally well damped. From the mounting of the sapphire bearing to the construction of the magnet, the materials, workmanship and design conform to the highest quality and most improved practice. Accuracy is guaranteed within 2%.

Jefferson Replacement Power Transformers

up to 8 No. 227, 224, 235 or 251 types, 2 No. 245 or 247 and 1 No. 280. Delivers 125 MA, 700 volts center tapped.

Catalog No.	Dimensions, Inches			Weight, Lbs.	List Price Each
	High	Wide	Deep		
463-261	3 3/8	4 3/8	3 1/8	7	\$5.60

As many as five No. 227, 224, 235 or 251, 1 No. 245 or 247 and 1 No. 280.

Catalog No.	Dimensions, Inches			Weight, Lbs.	List Price Each
	High	Wide	Deep		
463-251	3 3/8	3 3/4	4	4 1/2	\$4.75

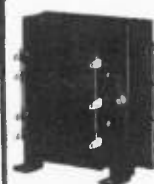
2 to 4 No. 226, 1 No. 227, 1 or 2 No. 171A, 1 No. 280.

Catalog No.	Dimensions, Inches			Weight, Lbs.	List Price Each
	High	Wide	Deep		
463-241	3 3/8	3 3/4	4	4 1/2	\$4.75

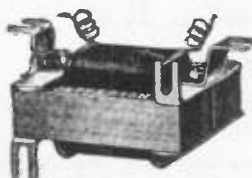
OUR NET
\$3.35

\$2.76

\$2.76



REPLACEMENT AUTO TRANSFORMERS



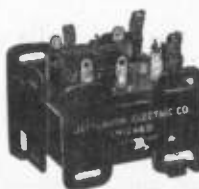
Cat. No. 467-164

\$1.00 ea.

Size 1 1/2 in. high, 2 1/2 in. wide and 2 1/2 in. deep. Weight, 1/2 lb. List, \$1.65

A small and compact transformer, ideally adapted to tight places and can be used in any set, AC or DC, using straight audio amplification.

PUSH-PULL INPUT TRANSFORMERS



Cat. No. 467-168 Input

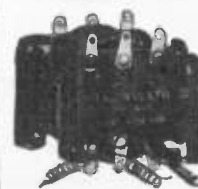
An ideal replacement job because of its compact size, efficiency and low price. Fits under sub-panel of practically every set, including midgeets. Universal mounting brackets.

Approximately 2 in. cube. Wt. 1 lb.

\$1.17 ea.

NEW TAPPED OUTPUT TRANSFORMER

For Use With All Types of Tubes, Coupled to Either Voice Coil or High Impedance



Cat. No. 467-170

Width, 1 1/2 in. Length, 2 1/2 in. Height, 2 in. Weight, 1 lb. List, \$1.95

Your Price
\$1.17

WALTER ASHE RADIO CO.

1100 PINE STREET

--

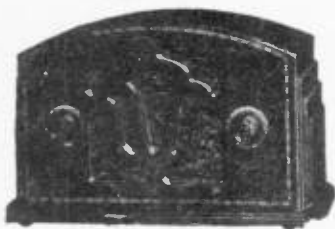
--

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO.
LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

The DeWALD DYNETTE



Plug in light socket (Direct or
Alternating Current—any Cycle)

THREE RADIOS "IN ONE"

A. C. 25 CYCLE
D.C.

A.C. 60 CYCLE

Dynamic Speaker.

List Price	Five Tubes:
\$25.00	One - '36
Complete	Two - '37
Tax included	One - '38
	One - '39

NET \$ 16 50

Simplex



Model P with RCA Tubes \$29⁹⁵

110 or 220 Volt AC 1/55 1/57 1/58 1/47 1/80 Tubes
110 or 220 DC 1/85 2/38 2/39 Tubes
Battery, (2 V. Air Cell) 2/32 1/37, 2/34, Tubes

NET \$ 18 60



Model R with RCA Tubes \$19⁹⁵

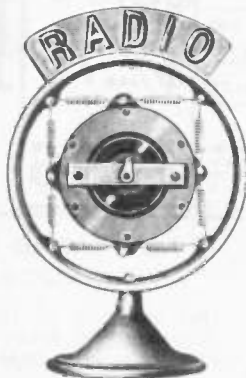
110 or 220 Volt AC 1/57 1/58 1/47 1/80 Tubes
110 or 220 Volt DC 1/56 2/38 1/39 Tubes
This model not made for battery operation.

NET \$ 12 60

TUNED RADIO FREQUENCY. FOUR TUBES. LONG AND SHORT WAVE. An excellent instrument for local reception but not recommended for great distance or extreme selectivity. Sturdy—dependable. 8 1-2" wide, 11 1-2" high, 5 1-2" deep., wt. 9-3-4 lbs., packed 12 1-2 lbs.

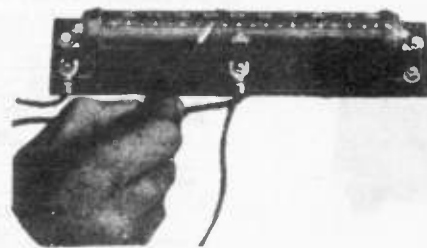
SUPERHETERODYNE. FIVE TUBES. LONG AND SHORT WAVE. Automatic Volume Control. Five Tuned Circuits. Sensitivity one microvolt per meter. Never before so fine a Radio at so low a price. Brilliant performance—Deep Full Volume—10 Kilocycle Selectivity—Extraordinary range—brings in distant stations with unbelievable ease and remarkable clarity. Beautiful cabinets. 9" wide 12" high, 6 1-2" deep, wt. 13 lbs., packed 16 lbs.

"WALTER ASHE"
DOUBLE BUTTON MIKE
COMPLETE WITH SPRINGS AND STAND



FREQUENCY RANGE, 100 TO 6000 CY.

LIST PRICE \$10.00, OUR NET \$5.00



The New **I.R.C.** RESISTOR INDICATOR
VEST POCKET SIZE

List . . . \$4.00 Your Price \$2.40

Instantly tells value of any burned-out resistor

Here's a new service help that will save you many a bad half hour. A quick, practical method of testing the required value for any resistor.

I. R. C. engineers have come to your rescue with this new device—a Resistor Indicator. It indicates the best replacement value of the damaged unit. Small—slips into your vest pocket. Packed in a neat little box. Complete instructions on its use go with it.

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

MICROPHONES

THE AMERICAN MICROPHONE COMPANY



Model "AI"

An extra large two-button microphone extremely rugged in construction, built especially for all broadcast and recording purposes. Only the best materials are used, the choice and dimensions of which have been made to keep resonant points out of the instrument. The diaphragm is of special duralumin .002 thickness with pure gold-plated spots under each button. This model is three and one-half inches in diameter by one and three-quarters inches thick. The frequency response is from 30 to 7500 cycles. Resistance 100 ohms and not over 10 mils per button. In finish, which is bright nickel, highly polished, and design, the unit presents a beautiful appearance. The "AI" compares favorably with any microphone on the market as it shows a remarkable straight-line frequency response. This transmitter is comparable in fidelity to a condenser head. Each unit is critically tested and inspected before shipment, and is shipped to you under the American Microphone Company guarantee. Made in three sensitivities: A—very sensitive; B—medium sensitive (standard); C—dampened.

LIST PRICE PER UNIT, \$72.00

Your cost \$35.28



Model "SJ"

A single-button microphone designed to adequately cover the normal voice range which is well within its 70 to 3600 cycle limits. Its fabrication represents rugged construction and choice materials. The button has a resistance of the standard 100 ohms. Polished nickel finish. Ever increasing demand for the "S J" proves its individual value. Made in three sensitivities: A—very sensitive; B—medium sensitive (standard); C—dampened.

LIST PRICE PER UNIT "S J" ONLY, \$12.50

Your cost \$3.94



Adjustable Floor Stand

A rugged floor stand, with suitable base to eliminate possible tipping. The covers are 6 1/4 inches in diameter, four point suspension to accommodate all large microphones now in use. Total extended height 6 feet. It is smoothly operated with very positive friction lock. Finished in bright nickel, appropriate for both studio and public address installations.

STAND, with Covers and 8 suspension springs, \$20.00

Your cost \$11.76

AMERICAN SUSPENSION RINGS

Solid brass for suspending microphones from ceiling, etc. Beautifully finished in bright nickel. 6 1/4" ring with four eye suspension accommodates any standard double-button microphone.

List Price, 8 suspension springs included, \$4.00

Your cost \$2.40



Model "SD"

A highly substantial two-button microphone, constructed of only the best materials obtainable. It uses the same gold spot plated diaphragm as the "AI" unit. The model "S D" has a frequency response of from 30 to 6500 cycles, made possible by the diaphragm employed. Full plated diaphragms, particularly the bronze type, are invariably sluggish. Many of these "S D" models are in use in broadcasting stations throughout the country where they are giving very satisfactory service. A minimum of hiss is evident in this model. Each button 100 ohms, 10 mils or less at 6 volts. Bright, polished nickel finish. A—very sensitive; B—medium sensitive (standard); C—dampened.

LIST PRICE PER UNIT "S D" ONLY, \$50.00

Your cost \$24.50



Double Button Utility Microphone

Stretched diaphragm gold-plated. Built particularly for use where portability is important, such as for home use, public address systems, music trucks, etc. Very rugged in construction. Resistance 100 ohms per button. Finished in sanded oxidized copper. Complete with 12 feet of silk covered cable.

LIST PRICE, \$23.00

Your cost \$11.22



Buttonhole Microphone

A scientifically designed microphone. Developed especially for the orator. When fastened on the coat lapel it allows perfect freedom to the speaker who may move about and assume a natural poise. This small microphone may also be used where it is desirable to conceal the unit. It is indispensable to drivers of sound trucks, enabling them to make announcements while driving. Surgeons and lecturers of schools have given this model microphone wide acclaim as it leaves them unhampered in working on operations or experiments while addressing classes.

The frequency response of the American Buttonhole microphone covers the entire speaking voice with unusual fidelity. Single button, 100 ohm resistance. May be attached to any standard carbon microphone input transformer. Black metallic finish complete with convenient attaching clip, list \$23.00. Cord, any length per foot .10

Your cost \$9.45



Model "CD"

A two-button stretched diaphragm microphone, designed to cover all frequencies and overtones within the voice range. It is admirably adaptable to public address work, amateur phone stations, and experimental use. A great many commercial broadcast stations use this model entirely in announcing record programs. Its response is from 45 to 4000 cycles, inclusive. Resistance 100 ohms with not over 10 mils on each button. The finish is highly polished nickel. The usual American Microphone Company guarantee and rigid tests and inspection go with each instrument shipped. Made in three sensitivities: A—very sensitive; B—medium sensitive (standard); C—dampened.

LIST PRICE PER UNIT, \$23.00

Your cost \$11.22



Double Button Model "EL"

A two-button microphone built for use where high standards of tone quality are desired. This unit uses a Stretched gold-plated dural diaphragm. It has an excellent frequency response. Resistance 100 ohms per button. Finished in beautiful nickel, highly polished. This is a manufacturer's type jobbers write for special net prices.

LIST PRICE, \$15.00

Your cost \$6.35



American Midget Mike

Practicability and quality are built-in features of this little carbon microphone. It is not a toy, but a real instrument, which is a vast improvement over the usual small mike in that a positive back is used for supporting the diaphragm at its periphery. In this manner, we are able to control sensitivity, an unusual feature, indeed, in a microphone in this price range.

The Midget Mike requires only a battery or battery and transformer to adapt it to any radio or amplifier. This unit is truly the best of its kind on the market. The single-button is in series with a positive cut-out switch and 25 feet of cord.

LIST PRICE COMPLETE, ONLY \$7.50

Your cost \$3.76

American Desk Stand



Model "B D" Desk Stand, with Five Inch Covers, List Price, including Covers, Hanger Ring and Suspension Springs, \$5.00. Bright nickel finish.

Your cost \$2.94

WALTER ASHE RADIO CO.

1100 PINE STREET, -- -- -- ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.



MALLORY

ELKON

"B" ELIMINATOR



Standard 6 Volt Eliminators for Automobile Radio Sets

(See Table Below)

	WATTS OUTPUT	AMPERES INPUT	180 VOLTS AT MILLS	135 VOLTS AT MILLS
Type 6 Mallory "B" Eliminator	6.3	2.45	35	46
Type 5 Mallory "B" Eliminator	5.4	2.1	30	40
Type 5-P Mallory "B" Eliminator	5.4	2.1	30	40
Type 4 Mallory "B" Eliminator	4.5	1.8	25	33
Type 3 Mallory "B" Eliminator	3.6	1.5	20	27

Any Mallory-Elkon "B" Eliminator can be converted into another type by interchange of Elkonodes. For example, a Type 6 Eliminator can be converted to a Type 3 Eliminator by removing the Type 6 Elkonode and inserting a Type 3 Elkonode (Type 3 Eliminator can be converted to a Type 3-P Eliminator by merely changing resistors); a Type 5 Eliminator can be converted to Type 5-P by merely changing resistors.

The Mallory-Elkon "B" Eliminator is a compact, complete unit. The case is cadmium plated and will resist corrosion and wear. Overall size 10" x 7" x 3 1/4".

List Price \$19.95

Your Cost

\$11.74

CARTER GENEMOTOR

gives your radio set an adequate and constant supply of power that improves tone quality, volume and distant reception.

WITH LOW VOLTAGE TAP

For Radios in Automobiles, Police Cars, Aeroplanes, Busses and Motor Boats

Designed to Supply "B" Voltages for 180-90 Volt or 135-67 1/2 Volt Sets

This power unit will supply approximately 180 volts output at 40 M.A. load, with 6.3 volts input at the low voltage leads, and is provided with a 90-volt tap.

Some sets specify 135 and 67 1/2 volts, but in nearly all cases such sets will operate as well or better on 180 and 90 volts.

Easy to Install

The "B" Power Unit is supplied ready to mount in place and connect. The instructions for installing are given on the last page of this folder. Once installed, the "B" Power Unit requires no replacement or servicing—no attention whatever

It is so small and compact that it can readily be installed in any car, under the floor boards or in the body, but do not install under the hood.

Eliminates Expense

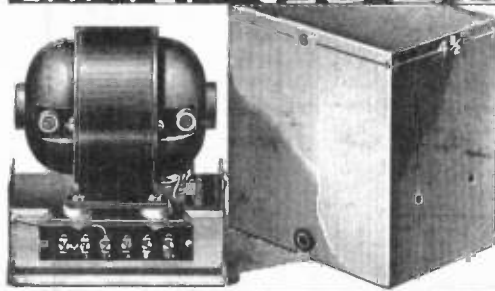
Periodic checking of voltage and costly replacements of "B" batteries is entirely eliminated when the "B" Power Unit is installed. Maintaining the voltage maintains the efficiency of the radio—"B" batteries deteriorate from the time they are placed in use and reduce the efficiency of the radio.

INSTALL IT . . . FORGET IT

Your Cost

\$12.50

CARTER GENEMOTOR



NO PARTS TO WEAR OUT

CARTER GENEMOTOR FOR 32 VOLT "DELCO" SYSTEMS OUTPUT 22-45 67-90-135-180 V. AT 30 M.A.

Your Cost

CARTER GENEMOTOR FOR 6 VOLT STORAGE BATTERY OPERATION. OUTPUT SAME AS ABOVE

\$14.70

WALTER ASHE RADIO CO.

1100 PINE STREET

--:--:--

ST. LOUIS, MO.



G.E. TUNGAR Tubes

.6 Amp.	Net \$3.00
2. Amp.	Net \$3.00



DURESITE Ballast Tubes

#105	Net \$1.62
#110	Net 1.62



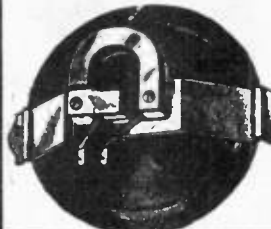
Shielded Lead In And Gnd. Wire.

Net Per Ft.	.02½
50 Ft. Rolls	
Net Per Roll	\$1.75



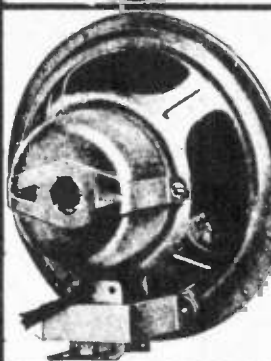
5 Wire Cable Net Per Ft. 6¢
7 Wire Cable Net Per Ft. 8¢

AUTOMOBILE SPEAKERS MOUNTED IN ATTRACTIVE BOXES.



MAGNETIC

Your Cost **\$2.21**



SIX VOLT DYNAMIC

Your Cost **\$3.50**



Belden "AIRMAN"

#16 Per Ft.	Net 3¢
#14 " "	" 4¢

Replacement Rectifiers

B.L. 12 **NET \$2.70**
 B.L. 16 **NET \$2.70**



Used on Knapp "A" and chargers

List \$7.00 **NET \$4.20**

TYPE XB-16 (Formerly Type M-16)

Used On Late Model Trickle Chgrs.

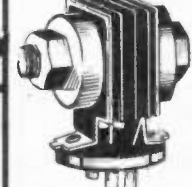
List \$4.00 **NET \$2.40**



TYPE X-12 (Formerly Type U-12)

Used on old style trickle chargers. 3 to a set

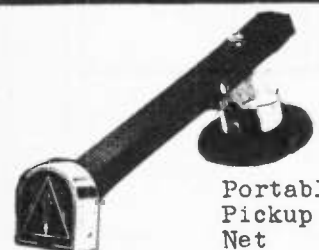
List \$4.00 **NET \$2.40**



TYPE XB-4 (Formerly Type V-4)

AUDAK PICKUPS

No. 20 List \$17.50
 Net **\$10.50**



Portable Phonomotor and Pickup
 Net List \$67.50 **\$40.00**

PACENT MODEL 107 MASTER PHONOVOX ELECTRIC PICKUP

Net Price **\$8.10**



THE WINCHESTER Electric Pick-Up

Beauty of Appearance: Highly polished bakelite throughout.

Faithfulness of Reproduction: A masterless fidelity of tone with response from very low frequencies to extreme high frequencies, with total absence of needle scratch.

OUR NET \$4.95



Condensers for speaker filter or "A". Eliminator filters.

Type	Capacity	D.C. Rated Working Voltage	Dimensions
PL 917-A	2000 mfd.	15 volts	2½" X 2½" X 6¼"
PL 917-A	4000 mfd.	15 volts	3" X 3" X 6¼"
PL 917-A	6000 mfd.	15 volts	4" X 4" X 6¼"

NET \$2.67
\$3.67



New Two-Speed Governor Controlled GREEN - FLYER Induction MOTOR

With 10 inch Turntable

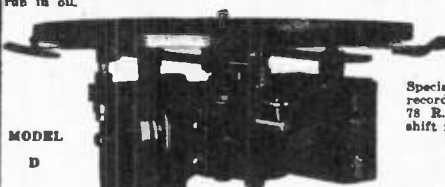
A quality motor giving absolute uniformity of speed unaffected by variation of voltage and record drag. Long over-size, self-lubricating bearings prevent overheating in closed cases or cabinets. Silent, spiral-cut gears made from laminated bakelite, completely enclosed and run in oil.

Equipped with 10 inch felt covered turntable, speed indicator dial, speed indicator pointer, speed change escutcheon plate, speed change pointer, mounting screws and washers. For operation on 110 volt, 60 cycle A.C.

33½ and 78 R.P.M.

Specially designed for playing the new records. Recorded at 33-1/3 R.P.M. and 78 R.P.M. Simply move the lever to shift from one speed to the other.

MODEL D



33 1/3 And 78 R.P.M. Motor With Turntable, Add For Automatic Stop, Single Speed 78 R.P.M.

Net **\$12.00**
 Net **\$7.00**
 Net **\$10.00**

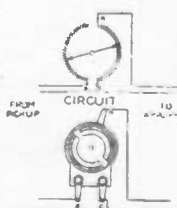
TONATROL TYPE "U"

CONSTANT RESISTANCE VOLUME CONTROL

The Electrad type "U" Tonatrol provides a simple, inexpensive and efficient method of controlling the volume of electric phonographs. This type of control reduces distortion and gives better results because of its constant impedance feature. May also be used to control the volume of individual speakers connected to the same amplifiers without affecting the sound amplitude of other speakers connected to the same circuit.

Tonatrol Type U—List price \$2.00

OUR NET \$1.18



WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

THORDARSON
ALBANY, N.Y.
OUTPUT TRANSFORMERS
CLASS "A"

Fig. A

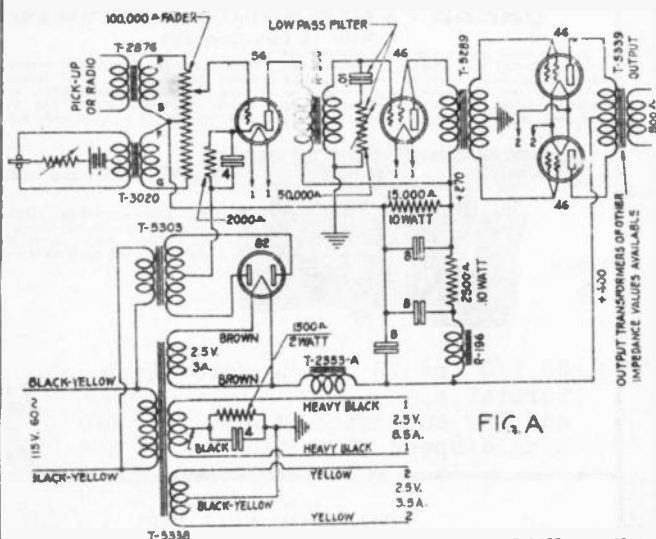
Fig. B

Fig. C

Fig. D+AC

Fig. E+AB
THORDARSON
ALBANY, N.Y.
Microphone, Line and Audio Transformers

Type	Purpose	FIG	Price	NET PRICE	Type No.	Purpose	Fig.	List Price	NET PRICE
T-2876	210 to 2000 ohms	A	\$ 3.00	\$1.77	T-2357	Single Button Mike to grid	A	\$3.00	\$1.77
T-2829	210 P.P. to voice coil	AB	4.00	2.36	T-3020	Double button Mike to grid	A	5.00	2.94
T-2901	250-45-71 to 2000 ohms	AB	4.00	2.36	T-3180	Double Button Mike to grid	B	8.50	5.00
T-2902	250-45-71 to voice coil	AB	4.00	2.36	T-3474	Tube to line	B	9.00	5.30
T-2903	250-45-71 P.P. to voice coil	AB	4.00	2.36	T-3475	Line to grid	B	9.00	5.30
T-2880	250-45-71 P.P. to 2000 ohms	AB	4.00	2.36	T-3476	Mixer or Mike to line	B	9.00	5.30
T-4843	247 pentode to voice coil	A	3.00	1.77	R-260	Audio Interstage	C	3.00	1.77
T-4831	247 P.P. to voice coil	A	3.50	3.44	R-300	Audio Interstage	A	4.00	2.36
R-76	245-171 to 2000 ohms	A	3.00	1.77	R-190	Autoformer	A	3.00	1.77
T-3399	245-171 P.P. to voice coil	A	1.75	1.03	T-3391	Push Pull Input	D	2.00	1.18
T-4152	250 P.P. or Parallel to 12 to 8700 ohms	AC	12.00	7.06	T-2408	Push Pull Input	A	4.00	2.36
					T-4304	Push Pull Input	A	4.50	2.65
					T-2973	Push Pull Interstage	E	7.00	4.12

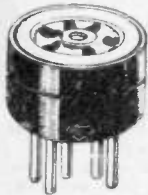

THORDARSON
A CLASS "B" AMPLIFIER
USING TYPE 46 TUBES
COMPLETE LINE OF THORDARSON CLASS B PARTS ALWAYS IN STOCK.
CLASS B AMPLIFIER IDEAL FOR PUBLIC ADDRESS AND THEATRE
List of Transformers to be Used

	List	NET
T-5303	Plate Transformer - 400 volts D.C. - 200 m.a.	\$ 8.00 \$ 4.70
T-5338	Filament Transformer	6.00 3.55
T-2353-A	Swinging Filter Choke	5.00 2.94
T-6289	Input Transformer - 46 to 46's Class "B"	5.00 2.94
T-5359	Output 46's Class "B" to 500 ohms	5.00 2.94
T-5356	Output 46's Class "B" to 8 or 4 ohms	5.00 2.94
T-5381	Line transformer 500 to 8 or 4 ohms	4.50 2.65
T-6291	Output 46's Class "B" to 10,000 or 5,000 ohms	5.00 2.94
T-3020	Double Button Microphone to Grid	5.00 2.94
T-2876	Coupling Transformer	3.00 1.76
R-300	Audio Transformer	4.00 2.35

WALTER ASHE RADIO CO.
1100 PINE STREET
ST. LOUIS, MO.

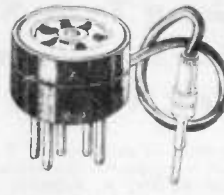
Bud Adapters

For Use with All Types of Tube Testers and Analyzers — For Modernizing Older Model Radio Sets — Adding Extra Speakers — also Numerous Other Uses



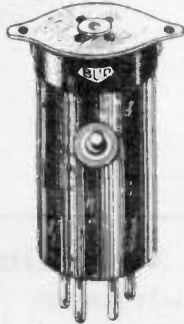
No. 56 Adapter can be used to MODERNIZE radio receiving sets that at the present time are using types 24, 35, and 51 tubes. This same Adapter can also be used in all types of tube testers for testing the new 57 and 58 tubes. To test 57 or 58 tubes insert Adapter into 24 or 35 tube socket in tester.

YOUR COST **44c**



No. 42 Adapter is to be used for testing Philco 41 and 42 tubes. To test tubes place Adapter in 24 socket of tube checker and connect lead from Adapter to screen grid cap of tube checker. This Adapter can also be used for testing Nos. 29 and 69 WUNDERLICH Tubes.

YOUR COST **59c**



No. 55 Adapter is to be used for testing No. 55 Tubes. Place Adapter in socket in tube checker used for testing 27 type tubes.

No. 82 Adapter is to be used for testing the new 82 Mercury Vapor Rectifier Tube. It is to be placed into any 4 prong socket which furnishes 2½ volts to the filament. Both plates of the 82 tube can be measured by flipping the switch up and down.

No. 83T Adapter for testing No. 83 Tubes. To test No. 83 Tube place adapter into tube socket used for testing No. 80 Tubes.

No. 83 DUO-DIODE TEST ADAPTER same as No. 82 only has 5 prong socket and a 5 prong base, to be used for testing Duo-Diode tubes that are so popular in Majestic radio sets.

YOUR COST **\$1.47**

YOUR COST **\$1.18**

YOUR COST **\$1.18**

YOUR COST **\$1.47**

BUD OUTPUT ADAPTER

YOUR COST

29c

per pair



Cat. No. 116

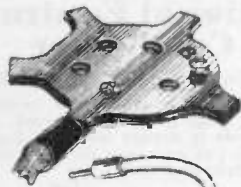
Designed so that additional speakers can be connected to any radio set that is using push-pull amplification without having to disconnect any of the wiring of radio set or solder any connections. Packed 2 in a box.

BUD PENTODE OUTPUT ADAPTER

YOUR COST

39c

per pair



Cat. No. 111

Designed so that additional speakers can be connected to any set that uses two (2) pentode Output Tubes. Leads are 42" long and have phone tips soldered on ends. Packed 2 in a box.

BUD OUTPUT ADAPTER

YOUR COST

44c

Cat. No. 117



Designed so that both grid and plate connections can be taken from tube enabling the connecting of additional speakers and also the use of a Tone Control or Bud Radio Silencer.

BUD ANALYZER PLUGS

No. 85 Analyzer Plug for use with set Analyzers. Has (5) five prong socket so that 5 prong plug from Analyzer can be inserted into adapter, has (5) prongs on bottom so that it can be inserted into any 6 prong socket

YOUR COST

44c



No. 86 Analyzer Plug, Adapter 7 to 5 has 5 prong socket and 7 prong base.

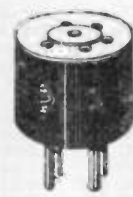
BUD ANALYZER ADAPTERS

YOUR COST

44c



Cat. No. 261



Cat. No. 161

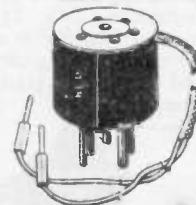
No. 261 contains 4 Prong Socket on a 5 Prong Plug. Has all connections complete to plug. Adapter is used for testing grid and plate voltages in five prong A. C. sockets with D. C. testers and analyzers. It has four holes on top and five prongs on bottom.

No. 161 contains 5 Prong Socket on a 4 Prong Plug. Has all connections complete to plug. Adapter permits five prong A. C. tubes to be tested in D. C. testers and analyzers provided with UX or UV sockets.

BUD PHONO or MICROPHONE ADAPTER

YOUR COST

59c



Cat. No. 299

Enables connecting a phonograph pick-up or Microphone to any radio.

BUD POWER TUBE ADAPTERS

No. 46 Adapter is to be used for testing No. 46 Tubes. To test No. 46 place Adapter into socket in tube checker used for testing No. 45 Tubes.

Cat. No. 46

YOUR COST **44c**



No. 59 Adapter for testing the new 7 Prong Power Output Tube.

YOUR COST **44c**

No. 36 Test Adapter for testing 36 and 38 Auto Radio Tubes.

YOUR COST **59c**

No. 37 Test Adapter for testing No. 37 Auto Tubes.

YOUR COST **44c**

No. 123 Adapter enables you to use type 47 tubes in place of 45 tubes in any Radio. No wiring changes are necessary

YOUR COST **44c**

WALTER ASHE RADIO CO.

1100 PINE STREET

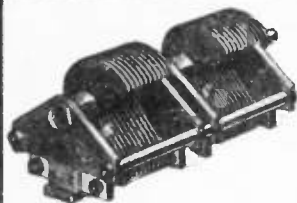
--

--

--

ST. LOUIS, MO.

National Short-Wave Parts



NATIONAL Two-Gang Type SE Variable Receiving CONDENSERS

This two-gang condenser has been constructed particularly for short-wave T. R. F. and super heterodyne receivers, which require a unit of exceptional characteristics in order to obtain best performance. Mechanical rigidity, so necessary for permanence for electrical characteristics and the elimination of lost motion or backlash in tuning, is secured through the use of four heavy partition plates accurately spaced by three heavy tie-bars.

A new type of noiseless, self-cleaning, multi-fingered contact brush makes positive connection to the rotors.

The stator insulation is Isolantite.

Note: We do not recommend that the experimenter attempt to remove plates from this condenser.

	List Price	YOUR COST
Type 2 SE-50—50 mmf. each section.....	\$5.50	\$3.24
Type 2 SE-100—100 mmf. each section.....	6.50	3.82
Type 2SE-140, 140 mmf. dual	7.50	4.41

As it is impossible to list all different sizes we will gladly quote price and delivery on any size or type you may desire.

Overall dimensions, including rotor swing, $2\frac{1}{2} \times 2\frac{1}{2} \times 5$ inches.

NATIONAL Type SE Variable Receiving CONDENSERS



The NATIONAL Type SE Variable Condenser has been designed especially for short-wave work and is not of the "cut down" broadcast variety. Among the outstanding features is the use of the 270° rotation equicycle plates, insulated front bearing, constant impedance pigtail, single hole panel mounting, as well as provision for baseboard mounting. Has $\frac{1}{4}$ inch shaft and Isolantite insulation. (Also available with equitune plates, 180° rotation.)

	List Price	YOUR COST
Type SE-50, 50 mmf. equicycle 270°	\$3.50	\$2.06
Type SE-100, 100 mmf. equicycle 270°	3.75	2.21
Type SE-150, 150 mmf. equicycle 270°	4.00	2.36
Type ST-50, 50 mmf. equitune 180°	3.50	2.06
Type ST-100, 100 mmf. equitune 180°	3.75	2.21
Type ST-150, 150 mmf. equitune 180°	4.00	2.36
Type SE-200, 200 mmf. equitune 270°	4.00	2.36
Type SE-20, 20 mmf. equitune 270°	2.50	1.47

National Neutralizing Condenser

Type STN Condenser

A compact, rigid, and efficient condenser particularly suitable for neutralizing 245, 247, 210 and similar tubes in amplifier, buffer or double stages. Very low minimum capacity. Isolantite insulation and polished plates. Maximum capacity 18 mmf. Peak voltage breakdown—3000v.



Your Cost,
\$1.18

Type SEU Condenser

Ultra High-Frequency Variable Condensers



A special 270° condenser of exceptional characteristics that will hold its calibration under any operating conditions. Isolantite insulation, double spaced throughout, heavy rigid plates, insulated front bearing, constant low impedance pigtail, single hole panel or base mounting.

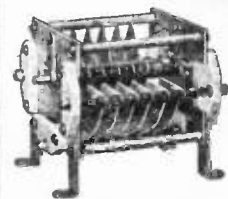
These condensers can be furnished in any capacity up to 25 mmf.

List Price, \$3.50 Your Cost, \$2.06

National Neutralizing Condenser

Type TMN Condenser

A heavy-duty neutralizing condenser having a peak voltage rating of 6000 volts. Suitable for use with 203A, 852, 204A and similar tubes. Maximum capacity 50 mmf.

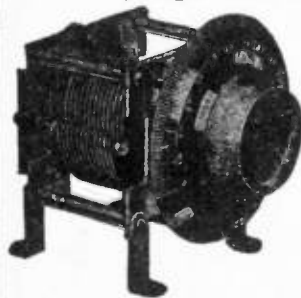


List Price, \$6.00

Your
Cost,
\$3.52

National Equimeter Condensers

(Straight Wave Line)



These prices do not include NATIONAL Vernier Type "A" Dials. Condensers with Dials extra.

List
Price,
\$2.50

Your
Cost
\$1.47

Catalog Symbol	Size	List Price	YOUR COST
EM 50	50 MMF	\$2.50	\$1.47
EM 100	100 MMF	2.50	1.47
EM 150	150 MMF	3.00	1.77
EM 200	200 MMF	3.50	2.06
EM 250	250 MMF	3.50	2.06
EM 350	350 MMF	3.75	2.21
EM 500	500 MMF	4.00	2.36
EM 1000	1000 MMF	5.50	3.24

National Equicycle Condensers

(For Short-Wave Receivers)

These short-wave type EC condensers are of straight line frequency type, 270° rotation, built into the famous girder frame. Spacing between plates doubled in the smaller sizes and a non-inductive pigtail added to insure positive and silent operation without detuning.

Type	Capacity	No. Plates	Spacing	List Price	YOUR COST
EC 15	.000015	3	.156	\$4.00	\$2.36
EC 50	.00005	9	.156	4.25	2.51
EC 75	.000075	11	.156	4.25	2.51
EC 100	.0001	15	.156	4.50	2.65
EC 125	.000125	19	.156	4.50	2.65
EC 150	.00015	9	.078	4.00	2.36
EC 250	.00025	17	.078	4.50	2.65
EC 350	.00035	23	.078	4.75	2.80
EC 500	.0005	31	.078	5.00	2.94

(Above prices do not include dial)

National Equitune Condenser

(Modified Straight Frequency Line)

The girder frame construction of this condenser is such as to permit "ganging" when so desired. The lower half of the scale is straight frequency line, so as to prevent crowding of stations at the lower dial readings. Made in the following sizes:

Type	Size	List Price	YOUR COST
ET 150	.00015	\$4.25	\$2.51
ET 250	.00025	4.50	2.65
ET 350	.00035	4.75	2.80
ET 500	.0005	5.00	2.94

(Above prices do not include dial)

National Radio Frequency Choke

Spaced on an Isolantite form. Supplied with stiff leads for mounting. May be mounted in grid leak clips if desired.

Approximate Characteristics
D. C. Resistance, 50 ohms.
Distributed Capacity, 1 mmf.
Inductance, $2\frac{1}{2}$ millihenries.
Will carry 125 milliamps without heating.

List Price, \$7.75

Your Cost, \$0.45



National Screen Grid Coupling Transformer

A transformer especially designed for coupling screen grid or variable "mu" detectors to the audio amplifier grid. Has correct primary impedance and gives a flat line frequency response. Used in SW5 and SW3 thrill boxes.

List Price, \$5.50

Your Cost, \$3.24

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

National Short-Wave Parts

Velvet-Vernier Dials

Type "A"

(Fig. 1)

The Type "A" is the original NATIONAL Velvet-Vernier Dial with its smooth, matchless mechanism, which gives perfect control for highly selective circuits. The development of the new form of gearless transmission used in this mechanism permits a motion that is even and regular throughout its range. No backlash exists, none can develop, dials equipped with this mechanism may be used under all operating conditions and assure user of a positive and even drive at all times. Ratio—five to one.

On the Type "A" dial the mechanism is mounted to a bakelite shell and knob with readings as follows:

Catalog Symbol	Dia.			List Price	YOUR COST
VACC3	3 3/8"	Counter Clkws.	(0-100) (180°)	\$2.50	\$1.47
VACC4	4"	Counter Clkws.	(0-100) (180°)	2.50	1.47
VAC 4	4"	Clockwise	(200-0) (360°)	2.50	1.47
VACE4	4"	Clockwise	(150-0) (270°)	2.50	1.47

Types "B" and "C"

(Fig. 2)

This NATIONAL dial embodies a standard Velvet-Vernier mechanism that is smooth, free from backlash, and furnishes a positive drive on condensers where the shaft is at right angles to the panel. Variable ratio of 6 to 1 and 20 to 1. It is equipped with a black bakelite shell and easily attached to front panel. Diameter across front of dial 4".

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

Catalog Symbol				List Price	YOUR COST
VBC	Clockwise	(200-0)	(360°)	Type B	\$1.47
VBD	Dual Range	(0-100-0)	(180°)		\$2.50
	Dial Illuminator and Bracket, extra, 50c.				

Type "BM" 3-inch Dial

(Fig. 3)

Similar in appearance to our Type "B" except that diameter is 3". Has the same Vernier mechanism but does not incorporate variable ratio feature. Especially adapted for small receiving and transmitting equipment where space is limited

Catalog Symbol			List Price	YOUR COST
BMD	Dual Range	(0-100-0)	\$2.00	\$1.18
BMC	Clockwise	(200-0)	2.00	1.18

Precision Velvet-Vernier Dials

Types "N" and "NW"

On instruments and equipment when permanency of calibration depends on the accuracy of the dial the NATIONAL Types "N" and "NW" are especially adapted.

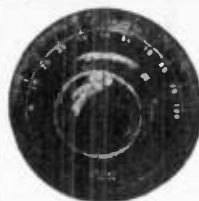


Fig. 1



Fig. 2

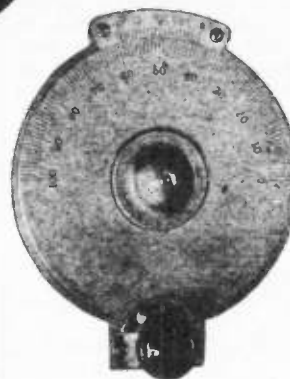


Fig. 5



Fig. 3



Fig. 4

Type "N" Dial

(Fig. 4)

The 4" instrument dial is equipped with the original and unexcelled NATIONAL Velvet-Vernier mechanism as used in our Type "A" dial, thereby assuring a smooth, positive and reliable drive while also securing the utmost precision of logging. Reading possible to 1/10 of a dial division. Ratio—5 to 1. Dials attach to panel at three points. Standard size hub 1/4".

Catalog Symbol				List Price, ea.	YOUR COST
Type VNB	(0-100)	180°	4-inch diameter	\$6.50	\$3.82
Type VND	(100-0)	180°			
Type VNE	(150-0)	270°			
Type VNC	(200-0)	360°			

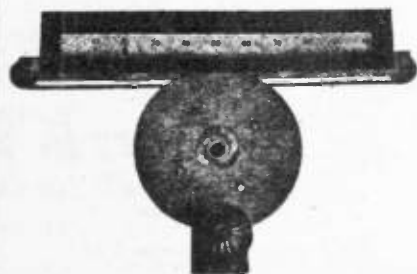
Type "NW"

(Fig. 5)

The 6" instrument dial is equipped with a standard NATIONAL Velvet-Vernier mechanism similar to that used in our Type "B" dial that assures a firm and positive drive. It is capable of extreme precision. Flush Vernier eliminating parallax. Reads to one-tenth division and may be estimated to one-twentieth division. Equipped with a 3-point variable ratio. Dial attaches to face of panel at four points making accurate mounting exceedingly easy. Standard size hub, 3/8".

Catalog Symbol				List Price, each	YOUR COST
Type NWB	(0-100)	180°		\$15.00	\$8.82
Type NWD	(100-0)	180°			
Type NWE	(150-0)	270°			
Type NWC	(200-0)	360°			

NATIONAL FULL VISION DIAL



The new NATIONAL Full Vision Dial shown at the right fills a definite need for a dial having none of the failings usually so noticeable in a unit of this type. The scale is fully seven inches in length, insuring accuracy of reading which is quite essential in high-frequency work. The pointer moves evenly across the scale and remains vertical at all positions. The movement bears a strictly linear relationship to the rotation of the control knob.

The mechanism is similar to that of the Type "E", noted for its smooth and positive drive which improves with use.

The escutcheons can be supplied in either silver or antique bronze.

Catalog Symbol	Scale Reading	List Price	YOUR COST	Direction of condense rotation for capacity increase
VKC	100-0 180°	\$4.00	\$2.35	Clockwise
VKCC	0-100 180°	4.00	2.35	Counter Clockwise
VKE	0-100 270°	4.00	2.35	Counter Clockwise

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

National Short-Wave Parts

Type "E" Dial



This dial embodies a Velvet-Vernier disc type of mechanism that assures a good positive drive on condensers mounted perpendicular to the front panel. No gears used in its construction, thereby eliminating all backlash. Ratio—ten to one. Easily attached to panel. Hammered silver or bronze finish escutcheon plate may be had. Dial reading available for all types of condensers. Standard type designed to fit $\frac{1}{4}$ " condenser shaft—can be supplied at no additional cost to fit $\frac{3}{8}$ " shaft.

Catalog Symbol VED—0-100-0

List Price, \$2.75

Your Cost, \$1.62

Catalog Symbol VEC—200-0

List Price, \$2.75

Your Cost, \$1.62

Type 28 Illuminator, extra, \$0.30

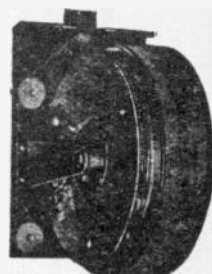
Velvet Vernier Dials

The most artistic dial yet designed. These new "National" Velvet-Vernier Dials—Types G and H—employ a beautiful brushed silver finish escutcheon of simple and dignified yet extremely modern design, harmonizing with the most modern cabinet work and furniture, yet free from freakish and radical characteristics.

Type G—Disc Dial

This dial employs a disc mechanism and is designed for use when the tuning condenser shaft is at right angles to the front panel. This is a monocolour projector dial, standard color is green.

Catalog Symbol	List Price	YOUR COST
VGCC—Counter Clockwise (0-100) (180°)	\$3.75	\$2.21
VGC—Clockwise (100-0) (180°)	3.75	2.21
VGE—Clockwise (150-0) (270°)	3.75	2.21



Type H—Drum Dial

The Type H Dial employs the proved and popular "National" Velvet-Vernier drum mechanism with its powerful non-conducting drive and spring take-up. When furnished as a monocolour projector dial, standard color is green.

Catalog Symbol	List Price	YOUR COST
VHCC—Monocolour, counter clockwise (0-100) (180°)	\$5.00	\$2.94
VHC—Monocolour, clockwise (100-0) (180°)	5.00	2.94
VHCCR—Rainbow, counter clockwise (0-100) (180°)	5.50	3.24
VHCR—Rainbow, clockwise (100-0) (180°)	5.50	3.24
HS—270° dial used in SW5 Thrill Box	6.50	3.83



Class "B" Transformers

Type BI Input Transformers for coupling 245's in push-pull to a Class B amplifier employing 2-210 tubes in push-pull. Primary inductance 20 henrys; primary resistance (total) 150 ohms, secondary resistance (total) 200 ohms.



List Price, \$8.50

Your Cost, \$5.00



Type BO Output Transformer for coupling a Class B Amplifier employing 2 210's (operating at a plate voltage of 500 V. and a bias of 57 V.) to a loud speaker or Class C RF Amplifier. Six terminals are available for various loads. The secondary is not designed to carry the RF Amplifier plate current. Insulated for 5,000 volts. Tested at 10,000 volts. Primary inductance 20 henrys; primary resistance (total) 115 ohms.

List Price, \$12.50

Your Cost, \$7.35

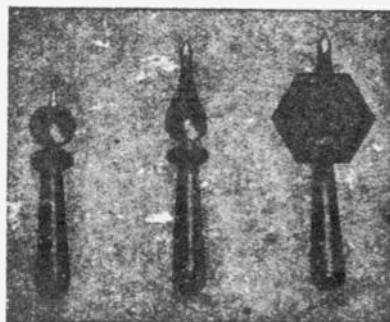
Midget Type R-39 Coil Forms



In order to insure stability, maintain calibration, and give maximum efficiency and flexibility to ultra-high-frequency circuits, a low-loss, rigid coil form is essential. These forms are designed to give best form factor and lowest R.F. resistance. Diameter, 1"; length, 1½"; ½" wall. Made in standard 4-prong type only. Unwound and ungrooved.

List Price, \$0.50

Your Cost, \$0.29



Dial Lever Indicators

NATIONAL lever indicators are designed for transmitter control panel use. They have well-defined bronze pointers and insulated handles. Available in three types as per attached cut and to fit both $\frac{1}{4}$ " and $\frac{3}{8}$ " shafts.

Type	List Price	YOUR COST
S	\$2.75	\$1.62
M	3.00	1.76
J	3.75	2.21

Full Scales (0-100) furnished on request with I & M indicators.

Type R-39 Inductances

Moulded of "R-39", the new low-loss coil form material developed by the Radio Frequency Laboratories for short-wave use. Forms available with UX four-prong, UY five-prong, or special six-prong base, for use in standard sockets. The coils listed below are designed for use in the NATIONAL SW3, and SW3 D.C. "Thrill Box".



No.	Color	Range	List Price Per Pair	YOUR COST
No. 10	Brown	9. to 15. meters	\$5.50	\$3.24
No. 11	Black	14.5 to 25. meters	5.00	2.94
No. 12	Red	23. to 41. meters	5.00	2.94
No. 13	White	40. to 70. meters	5.00	2.94
No. 14	Green	65. to 115. meters	5.00	2.94
No. 15	Blue	115. to 200. meters	5.50	3.24
No. 16	Orange	200. to 360. meters	5.50	3.24
No. 17	Yellow	350. to 550. meters	5.50	3.24
No. 18	Purple	500. to 850. meters	6.50	3.83
Forms only—				
4-prong UX base, each			.75	.44
5-prong UY base, each			.75	.44
6-prong Special, each			.75	.44
Socket only—				
6-prong Special with mountings, each			.60	.36

Special Amateur Coils

These coils are designed so as to permit 50 dial division spreading on the amateur 20, 40 and 80 meter bands, using the standard NATIONAL SW Thrill Boxes.

No.	Band	List Price (per set of 2)	YOUR COST (per set of 2)
No. 11A	20-meter band	\$6.50	\$3.83
No. 13A	40-meter band	6.50	3.83
No. 14A	80-meter band	6.50	3.83
No. 15A	160-meter band	6.50	3.83

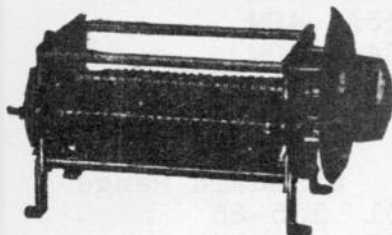
WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

National Short-Wave Parts

National Transmitting Condensers



"National" Transmitting Condensers are widely used by U. S. Government Broadcasting Stations and amateur transmitters.

Transmitting condensers of any size and capacity can be supplied for voltages of from 2,000 to 20,000. Prices upon request.

List of Standard Sizes of Stock Condensers for Transmitting Sets

Type	Capacity	Voltage	No. Plates	Spacing	List Price	YOUR COST
TM 35A	.000035	6000v.	7	3/8"	\$4.50	\$2.64
TM 50A	.00005	6000v.	12	3/8"	6.00	3.52
TM 100	.0001	3000v.	11	1/2"	4.50	2.64
TM 100A	.0001	6000v.	23	3/8"	10.00	5.88
TM 150	.00015	3000v.	17	1/2"	5.00	2.94
TM 150A	.00015	6000v.	35	3/8"	14.00	8.31
TM 230	.00023-5	3000v.	23	1/2"	9.00	5.29
TM 230A	.00023-5	6000v.	51	3/8"	17.00	10.00
TM 350	.00035	3000v.	35	1/2"	11.00	6.46
TM 450	.00045	3000v.	43	1/2"	12.00	7.05

Note: Dials for the above condensers can be supplied at an extra charge of \$1.47 net.

New National Split Stator High Voltage Condensers

Similar in Appearance as Other TM Condensers

For use in push-pull circuits. Constructed in standard TM frame. Plates are of heavy aluminum with well-rounded edges.

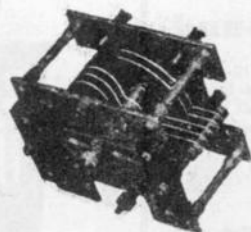
Type	Capacity Each Section	Rating	List Price	YOUR COST
TMP 230	.00023	3000v.	\$15.00	\$8.82
TMP 100	.0001	3000v.	10.00	5.88
TMP 100A	.0001	6000v.	16.00	9.41

Note: Dials for the above condensers can be supplied at an extra charge of \$1.47 net.

Frequency Meter Condenser

A special purpose condenser designed for use in amateur frequency meters and monitors. The three circular rotor plates make possible the use of a High C circuit which is necessary in order to avoid changes in calibration due to differences in tube characteristics, temperature variation, etc.

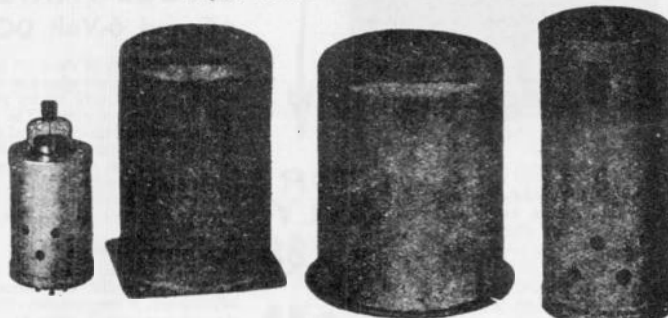
When used with a 100 division dial, the spread of the 160 or 80 meter bands is over 80 divisions.



Type 40-75
Min. Capacity 40 mmf.
Max. Capacity 75 mmf.
List Price, \$4.50
Your Cost, \$2.64

Aluminum Shields

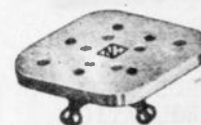
For Experimental and Custom Set Work



Catalog Symbol	List Price	YOUR COST
TS Tube Shield with Top Cap and Bottom Mounting Plate	\$0.40	\$0.23
J30 Coil Shield, 2 1/2" dia., 3 3/4" high—square flange at bottom 2 3/4"	.35	.21
B30 Coil Shield, 3" dia., 3 3/4" high	.35	.21
B30 Coil Shield, as above with mounting base ..	.50	.29
T58 Tube Shield with Top Cap and Bottom Mounting Plate	.40	.23

New National Coil and Tube Sockets

A point which is often overlooked in ultra high-frequency receiver and transmitter design is the inefficiency of coil and tube sockets. These new Isolantite sockets will reduce such losses to a minimum. Suitable for either standard sub-panel or base-board mounting. Made in standard 4, 5 and 6-prong styles as well as in special 6-prong for NATIONAL coils.

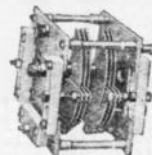


List Price, \$0.60

Your Cost, \$0.36

Type EMP Condensers

A split stator condenser for receivers and low power push-pull transmitters. Special low-loss stator insulators are employed. 1200-volt breakdown. The spacing between adjacent rotor and stator plates is .023. Construction is similar to type TM.



Standard Size EMP 100 mmf.
per Section, List Price, \$5.00

Your Cost, \$2.94

Although we list only one size, these condensers are available in capacities up to 350 mmf. per section. Prices quoted upon request.

National Grid-Grips

This remarkably convenient little Grid-Grip is the most simple method we have seen of attaching a wire to the screen-grid terminal of AC or DC screen-grid tubes. Easy to operate, never works loose, makes continuous electrical contact.



Made in Two Sizes

Type	List Price	YOUR COST
Type 24—To fit broadcast set tubes	\$0.10	\$0.06
Type 12—To fit large type tubes such as 872	.20	.12

WALTER ASHE RADIO CO.

1100 PINE STREET

--

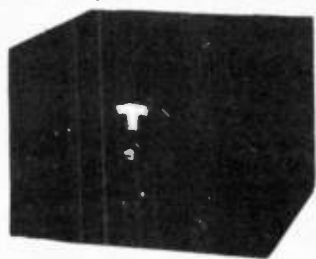
--

--

ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

THE RECEIVER!



ACSW3 AC model complete set of parts, wired, less tubes and coils including Federal tax.....Net

DCSW3 DC model same price as the ACSW3. Coils per pair.

FOR ONLY \$20.88 3.82

NATIONAL

Double Screen Grid—Type SW3

3-TUBE THRILL BOX

AC and 6-Volt DC Models

The sensitivity of the SW3 is so great that the push-pull stage is seldom, if ever, used when the receiver is being employed in a amateur communication work or by expeditions for maintaining contact with their base stations. The SW3 Thrill Box employs the same circuit, and all other essential features, as the famous SW5, except for a more compact layout and the elimination of the last or push-pull stage. It is designed especially for aircraft, portable, and amateur communication use.

A highly desirable feature found only in this receiver is the calibrated volume control, which thus serves as an audibility meter.

BAND SPREAD COILS

These coils will spread the various amateur bands over a large portion of the dial, the actual amount depending upon the coil adjustment. A compression type trimmer condenser is mounted on the detector coils in order to allow the bands to be accurately located on the dial scale. The trimmer is also useful in maintaining receiver calibration when tubes are changed. When the high frequency edge of the band is set near zero on the dial the spread is maximum; when set near 50 or 60, spread is greatly reduced.

The AC model uses the new UY 235 variable MU tetrode in the RF and detector circuits and the UY 227 in the first audio circuit. The DC model uses the new UY 236 and UY 237 6 volt low current tubes. This latter model can, therefore, be operated from a filament transformer and B batteries, or a filament transformer and B eliminator if desired, thus making it a universal AC or Battery Model. For strictly AC operation, however, the AC model in conjunction with the 5880 power unit is to be preferred.

Special Coils for ACSW3 using type 58 tubes

61A 20M
63A 40M
64A 80M
65A 160M

Ea \$3.83

Standard Range

61 135-25
63 40-70
64 65-115
65 115-200

Ea 2.94

NATIONAL Power Units for AC Reception



NO HUM, WITH PERFECT CONTROL AND REGULATION ON ALL FREQUENCIES

Catalog Symbol

Description

5880-AB Completely wired power supply for use with the ACSW3 Thrill Box using the '27 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube

5880-AB-25 Completely wired power supply for use with the ACSW3 Thrill Box using the '27 tubes in the output stage on 105-120 volts, 25-40 cycle current supply. Less tube

5880-AB-220 Completely wired power supply for use with the ACSW3 Thrill Box using the '27 tubes in the output stage on 220-230 volts, 50-60 cycle current supply. Less tube

5880-AB-S Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 105-120 volts, 50-60 cycle current supply. Less tube

5880-AB-S25 Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 105-120 volts, 25-40 cycle current supply. Less tube

5880-AB-S220 Completely wired power supply for use with the ACSW45 and 58 Thrill Box using the '45 tubes in the output stage on 220-230 volts, 50-60 cycle current supply. Less tube

NET INCL. TAX

21.26

24.12

22.61

24.12

25.24

24.12

Signal Heavy Duty Standard Transmitting Keys



Standard Wireless Key Brass Base

Made very sturdy. Coin silver contact. Polished and lacquered brass parts.

List Price
R-62— $\frac{1}{2}$ " contacts \$3.10
R-63— $\frac{1}{4}$ " contacts 3.70
R-64— $\frac{1}{8}$ " contacts 3.90

NET 2.04 2.18 2.30

High Frequency Radio Buzzer

Has a good 1000 cycle pitch. Can be adjusted and locked in position. May be used wherever a constant source is required. Ideal for inter-communication work and radio practice sets.



List Price, \$1.25.

NET 75¢

Bakelite Tubing

(Cut to Order, Wall Thickness $\frac{1}{16}$ ")

Outside diameter	YOUR COST per linear inch
1" or $\frac{1}{4}$ "	\$.04
$1\frac{1}{2}$ " or $\frac{3}{4}$ "	.06
2" or $2\frac{1}{4}$ "	.07
$2\frac{1}{2}$ " or $2\frac{3}{4}$ "	.08
3" or $3\frac{1}{4}$ "	.09
$3\frac{1}{2}$ " or $3\frac{3}{4}$ " or 4"	.10

Bakelite Rods (Round)

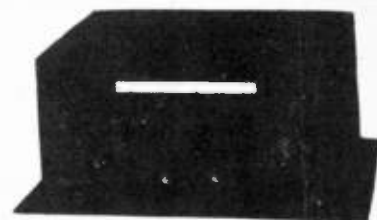
Min. Length 12"

No.	Diameter	YOUR COST per foot
175	$\frac{1}{4}$ "	\$0.36



NEON GLOW LAMPS

Made by General Electric Co., type G. 10, standard base, 101 uses. **NET 55¢**



The AC model, Type SW-58, employs two type 58 variable MU Pentodes in R.F. and Detector, type 56 (or 227) first audio, and two type 245 output tubes. The DC model, type SW-34, employs two type 234 variable MU screen grid R.F. and Detector, type 230 first audio, and two type 231 output tubes.

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

SW-58 AC model complete set of parts less tubes and coils including Federal tax. Net

37.00

SW-34 DC model complete set of parts less tubes and coils including Federal tax. Net

34.25

Either of the above listed sets can be wired by Jackson Research Laboratories for.....\$ 6.00

FEDERAL ANTI CAPACITY SWITCHES

No. 1424, 4 P.D.T. 12 Spring.
No. 1425, 2 P.D.T. 6 Spring.



NET \$2.25

WALTER ASHE RADIO CO.

1100 PINE STREET

—:— WAB —:—

—:— ST. LOUIS, MO.

Hammarlund Precision Products

Hammarlund Comet "Pro" Short-Wave Superheterodyne

The Comet "Pro" is a high-frequency superheterodyne receiver designed to meet the exacting demands of professional operators and advanced amateurs interested in the reception of both code and voice signals in the frequency range from 20,000 KC to 1,500 KC, or 15 to 200 meters. In addition to being an excellent general-purpose receiver it is also ideally suited for experimental and research work involving frequencies in that range where high sensitivity, low noise level, and great selectivity are important.

The present model includes certain improvements made possible through use of the new "50 series" tubes and employment of the recently developed "electron coupled" type of oscillator. These major changes, plus a number of minor refinements, result in improved selectivity, even greater sensitivity and complete stability under all conditions of operation. A heater type Pentode output tube is now used in a special circuit to provide humless reception at either full loud-speaker volume or on headphones. A well-ventilated metal cabinet of attractive and sturdy design is now standard equipment but walnut cabinets will continue to be available as optional equipment at no additional cost. That the "Pro" is a remarkable and unusually efficient receiver is perhaps best attested by the character of its users. To enable you to judge the "Pro" on this basis the following partial list of prominent users is provided: Bell

Telephone Laboratories, International Telephone and Telegraph Company, National Broadcasting Company, Columbia Broadcasting System, American Radio News Service, American Airways, Eastern Air Transport Company, Northwest Airways, Transcontinental and Western Air, Inc., Canadian Signal Department, Naval Research Laboratory, Marine Signal Corps, War Department Message Center, Naval Observatory, and others of equal prominence.

Although designed for communications, airport, broadcasting, police, and other equally important services, the "Pro" is so easy to tune that even the veriest novice can readily tune in stations from over the entire world for his entertainment. Operators of amateur stations, especially 'phone stations, praise the receiver highly for its ultra-selectivity, low noise level and its efficient band-spread tuning system.

A sixteen-page booklet, giving complete technical details and performance data, will be supplied on request. No obligation on your part except to write for it.

Code	List Price	YOUR COST
PRO—"Pro" Receiver, less tubes . .	\$150.00	\$88.00
PRT—"Pro" Receiver, with tubes	163.70	97.26
PRC—"Pro" Chassis, less tubes . .	135.00	79.38

EXCISE TAX PAID



The new "Pro" retains all of the original features that made the receiver so popular, almost overnight. Among these features are the following:

1. Sensitivity of better than 1/2 microvolt per meter. Selectivity of 1,000 times at 10 KC off resonance. Noise level so low as to be negligible.
2. Intermediate oscillator for C.W. code reception, also valuable as a "station-finder" in searching for weak phone stations.
3. Band-spread tuning at all frequencies within the range of the receiver.
4. Smooth control of sensitivity; tone control for noise suppression; vernier tuning controls.
5. Isolantite coil forms; coil sockets and condenser insulation. Litz-wound intermediates. Complete shielding. Instrument type control panel.

Low-Frequency Filter Assembly

To prevent both low and high radio frequencies from getting into the audio channels it is particularly important that an effective filter system be employed. Comes complete with shields, by-pass condenser, radio frequency chokes, etc.

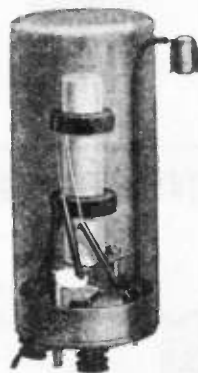
List Price, Per-Pair, \$5.00

Your Cost, \$2.94

New Hammarlund Intermediate Frequency Transformers

Since intermediate amplifiers provide most of a receiver's sensitivity and selectivity, no effort has been spared in the design of these transformers. Three transformers, as used in "Comet" Receivers, provide one microvolt sensitivity and a selectivity of 1,000 times at 10 KC off resonance.

The twin coils are of 10/41 Litz with a power factor of .01 or a "Q" of 100. Coupling is very slightly below optimum. Peaked at 465 KC but may be adjusted to any frequency between 425 KC and 525 KC, depending on



circuit conditions. Designed for use with 258 or 235 type tubes.

Tuned by adjustable condensers with mica dielectric and Isolantite base. Wax impregnation and sturdy construction provide excellent stability. The shield can is 2 3/32" diameter by 4 1/2" high and is intended for base mounting.

Code TR-465

List Price, \$3.00

Your Cost, \$1.75

Beat-Frequency Oscillator

For use in low-frequency (465 to 525 KC) second detectors. Permits CW reception on super's, etc. Comes complete with shield and tuning capacitors.

List Price, \$2.50

Your Cost, \$1.47

Hammarlund Equalizers

A very small condenser for neutralizing, balancing and trimming purposes. Useful for balancing multiple-tuned circuits or for equalizing gang condenser units. Adjustment of center screw provides gradual capacity change over a wide range. May be attached directly to binding post of socket or condenser. Mica dielectric, phosphor-bronze flexible plate and bakelite base. Size of base is 1 1/4" x 1 1/4".



List Price YOUR COST

Code EC-35 (3 - 35 mmf.)	\$0.35	\$0.21
Code EC-80 (25 - 80 mmf.)	.45	.27

Hammarlund Flexible Couplings

This coupling permits tandem operation of any number of independent units without requiring exact shaft alignment. A great convenience and time-saver.

The sides of the condenser are insulated from each other, allowing instruments in gang to be operated as independent electrical units.



Made of Bakelized canvas, with brass bushings and for 1/4" shafts. Four rustproofed and hardened steel-set screws provide against shafts slipping. Overall diameter is 1 1/2".

Code FC

List Price, \$0.60

Your Cost, \$0.35

Hammarlund Shielded Polarized R.F. Choke

Hammarlund Shielded Polarized Choke Coils have ably proved themselves superior for use in high-gain screen-grid and other types of receivers. The coil unit is thoroughly shielded in an aluminum shell, resulting in minimum external field and permitting close, compact receiver design without any undesired coupling to cause instability or feedback. High impedance to all broadcast frequencies—low distributed capacity. Marked for high and low polarities of windings. Terminals extend from bottom of choke. Shell mounts with a single screw and is 1/4" high and 1 1/4" in diameter.



Code SPC

List Price, \$1.50

Your Cost, \$0.88

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

Cardwell Transmitting and Receiving Condensers

CARDWELL MIDWAY TRANSMITTING CONDENSERS

The "Midway" is a small and compact variable air condenser which, without doubt, should find considerable application for many purposes where extremely light weight and reduction of bulk are desirable in receivers, transmitters and oscillator-amplifier outfits. Condensers of this description having a breakdown rating sufficient for transmitters using up to 75-watt tubes may be had in capacities as high as 150 mmfds. A panel surface of only $2\frac{3}{4}$ " x $2\frac{1}{8}$ " is required and the condensers weigh only 4 to 7 ounces.

A Real Condenser—Not a Midget

Several advantages are apparent—although fully adequate for replacing full size transmitting condensers up to 150 mmfds., the "Midway" condensers are only slightly larger than many so-called "midget" condensers, at the same time having the same well known solid and substantial construction and rotor shaft bearings found in the larger "Cardwell" transmitting and receiving condensers. Because these condensers may be fitted into small spaces, ample room may be allowed between components, and capacity field effects may be reduced without increasing the bulk of the complete instrument to the extent that would be necessary to allow for sufficient separation if the larger condensers were used.

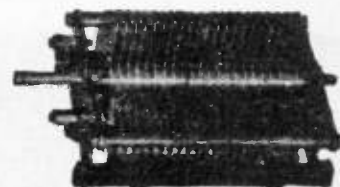
(Suitable for transmitters using up to 75-watt tube)

Type	Plates	Depth Behind Panel	Max. Cap.	Min. Cap.	Weight (Approx.)	List Price	YOUR COST
408B	5	2 $\frac{1}{8}$ "	22 mmfds.	6 mmfds.	4 oz.	\$2.60	\$1.46
409B	7	2 $\frac{1}{8}$ "	35 "	9 "	4 $\frac{1}{2}$ oz.	2.80	1.57
410B	11	2 $\frac{1}{8}$ "	50 "	11 "	5 oz.	3.20	1.80
411B	15	3 $\frac{1}{8}$ "	70 "	13 "	5 $\frac{1}{2}$ oz.	3.60	2.02
412B	21	3 $\frac{1}{8}$ "	100 "	15 "	6 oz.	4.25	2.39
413B	31	4 $\frac{1}{2}$ "	150 "	18 "	7 oz.	5.50	3.08

* Rotor and Stator plates of Transmitting Condensers have edges well rounded and are highly polished overall, thus eliminating corona losses and increasing breakdown voltage.

INDIVIDUAL CHARACTERISTICS TRANSMITTING CONDENSERS

Type	Maximum Capacity	Air Gap Bet. Rotor and Stator Pl.	C. to C. Spacing Between Stator Plates	Plate Thickness	Number of Plates	Depth (back of panel)	List Prices	YOUR COST
141B	.00025	.030"	.110"	.0253"	11	2 $\frac{1}{2}$ "	\$ 4.25	\$2.91
123B	.00048	.030"	.110"	.0253"	21	3"	5.00	3.43
137B	.00096	.030"	.110"	.0253"	41	4"	6.00	4.12
T183	.00011	.171"	.422"	.040"	23	6 $\frac{1}{2}$ "	10.00	6.86
164B	.00022	.070"	.190"	.0253"	21	4"	5.00	3.43
T199	.00033	.084"	.248"	.040"	37	6 $\frac{1}{2}$ "	10.00	6.86
147B	.00044	.070"	.190"	.0253"	43	5 $\frac{3}{4}$ "	10.00	6.86
511B	.000023	.171"	.422"	.040"	5	3"	4.00	2.36
513B	.000050	.171"	.422"	.040"	11	4"	7.00	4.80
515B	.000056	.230"	.540"	.040"	15	5 $\frac{3}{4}$ "	12.00	8.23



Type T199

HIGH QUALITY PORCELAIN Stand-Off Insulator



An item of many uses: Supports Lead-ins; R. F. Leads; Power Supply Leads; Condensers; Choke Coil and Tuning Coil Mountings. Greater strength and finer appearance than other makes because of new type insulation used. Brass fittings. Glazed finish.

Your Cost,
10c each
\$1.00 per doz.

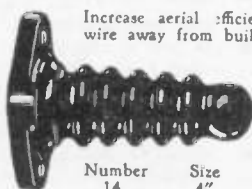
MIDGET Stand-Off Insulator

Used for same general purposes as our No. 401, but is smaller, slightly shorter and can be used to advantage where space is a factor. Black glazed finish.

Your Cost, 7¢ each
.75 A.D02.



Stand-Off Insulators



Number 14 8 Size 4" 8" List Price Each \$2.25 1.00 YOUR COST \$3.15 .59

Increase aerial efficiency by keeping lead-in wire away from building. No. 14 made of one-piece porcelain. No. 8 has heavy metal base. Mounting screws furnished. Each insulator in a separate carton.



PILOT MIDGET CONDENSERS

	List Price	NET
J 5—.000015 mf. maximum.....	\$0.75	.50
J 7—.000025 mf. maximum.....	.75	.50
J13—.000050 mf. maximum.....	.80	.55
J23—.000100 mf. maximum.....	.95	.60

THORDARSON



Filter Reactors

1.5 Henry Choke, 200 mils, 1600 V. insulation. Filter choke in key circuits.

T-2376—

Your Cost, \$1.76

T-2027
T-2071
T-2073

T-2353—A single open-frame choke, 6 henry, 150 M.A. D.C. Resistance, 100 ohms, 3000 volt insulation. Dimensions: 3" x 3 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ " high.

Your Cost, \$2.94

T-2071—A single open-frame choke, 30 henry, 150 M.A., D.C. Resistance, 290 ohms, 3000 volt insulation. Dimensions: 2 $\frac{1}{4}$ " x 3 $\frac{1}{2}$ " x 6" high.

Your Cost, \$5.88

T-2027—A single open-frame choke, 30 henry, 300 M.A., D.C. Resistance, 160 ohms, 3000 volt insulation. Dimensions: 5" x 3 $\frac{1}{2}$ " x 8" high.

Your Cost, \$7.24

T-2073—A single open-frame choke, 30 henry, 500 M.A., 3000 volt insulation. Dimensions: 4 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ " high.

Your Cost, \$9.77



DOUBLE CHOKE UNITS

T2099 (Capacity 130)	4.20
Net Price	
T3099 (Capacity 160)	5.29
Net Price	
T3100 (Capacity 200)	5.88
Net Price	

Porcelain Lead-In Bushing



This device makes a workmanlike finish at a point in aerial installation that has been a source of power loss. Maximum length, 14 inches. Porcelain sections slide off brass rod to any wall thickness up to 9/16". Threaded rod can then be cut at any desired point. Nickel porcelain. Black glaze. Passed by Underwriters Laboratories. Each bushing in an attractive carton.

NET .66

WALTER ASHE RADIO CO.

1100 PINE STREET

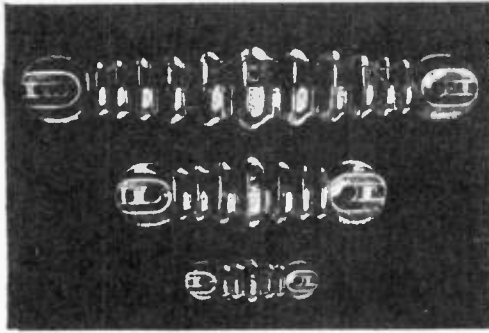
--

--

--

ST. LOUIS, MO.

Pyrex Amateur Insulators



	Broadcast Rec. Insulators	Amateur Transmitting	Strain Insulator
Number	67007	67017	67021
Length (overall)	3 3/8 in.	7 1/4 in.	12 1/4 in.
Developed leakage path	3 3/8 in.	6 in.	11 1/4 in.
Average flashover value (Kv.)	Wet 22.5	32	84
Average flashover value (Kv.)	Dry 38	75	124
Height	3 oz.	13 1/2 oz.	1 lb., 14 oz.
Strength	450 lb.	1,000 lb.	1,000 lb.
Suitable for powers up to		250 watts	1 1/2 kw.
List Price, each	\$0.25	\$1.00	\$3.00
Your Cost	17c	68c	\$2.06

Pyrex Entering Insulators

	67009	67037	Navy Type	
No.	67009	67037		
Weight	1 lb. 11 oz.	2 lbs.		
Height overall	4 3/8"	4 3/8"		
Outside diam. at base	6 7/8"	6 1/8"		
List Price, each	\$1.00	\$1.00		
Your Cost	68c	68c		

Pyrex Amateur Lead-In

Now you can have these better insulating qualities, too. The new Pyrex entering insulator for amateurs is available in two sizes—No. 67104 has a solid brass rod 15" long, No. 67105 has a rod 20" long. The rods are threaded except for 3" in the center. The bowls for both sizes are exactly alike and both are supplied with four brass jam nuts, two brass washers and two rubber gaskets. An ideal lead-in insulator OL.

	List Price	YOUR COST
No. 67104—15"	\$2.20	\$1.51
No. 67105—20"	2.30	1.58



Pyrex Stand-Off Insulator



	No. 67006	No. 67007
Height overall	3 inches	7 inches
Oval Brass Base, 3 3/8" x 1 1/8"		
Tapped Hole in Brass Cap, 3/8", 16 thread.		
Diameter Pyrex Part, 1 1/4"		
Average Flash over Value (Kv.)		
Wet	7.	32.5
Dry	21.5	56.
List Price	\$2.25	\$2.50
Your Cost	\$1.54	\$1.72

AEROVOX FIXED MICA CONDENSERS

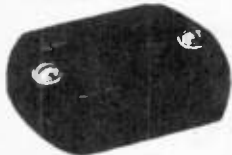
	CAP.	NET
5000V. Test.	.00005	\$.75
	.00025	.75
	.001	.90
	.002	1.11



#1457

5000 V. TEST

SANGAMO CONDENSERS



	CAP.	
.00025	...	\$1.05
.001	...	1.20
.002	...	1.20



Type TC200



Type T200

FLECHTHEIM NEW LOW PRICES! SUPERIOR CONDENSERS

TYPE TC: For Continuous Operating Voltages Up to 1000 Volts D.C. (750 rms. RAC)			
Type	Capacity	Size	List Price
TC 100	1 Mfd.	4 1/4" x 1 1/4" x 1 1/4"	3.25
TC 200	1 Mfd.	4 1/2" x 1 1/2" x 1 1/2"	4.25
TC 400	4 Mfd.	4 1/2" x 2 1/4" x 1 1/4"	5.00

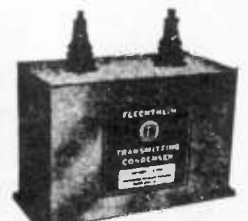
TYPE T: For Continuous Operating Voltages Up to 1500 Volts D.C. (1000 V. rms. RAC)			
Type	Capacity	Size	List Price
T 100	1 Mfd.	5 1/4" x 1 1/4" x 1 1/4"	3.50
T 200	2 Mfd.	5 1/4" x 1 1/2" x 1 1/4"	4.50
T 400	4 Mfd.	5 1/4" x 2 1/4" x 1 1/4"	6.00

TYPE TH: For Continuous Operating Voltages Up to 2000 Volts D.C. (1600 rms. RAC)			
Type	Capacity	Size	List Price
TH 100	1 Mfd.	6" x 3 1/4" x 1 1/4"	7.00
TH 200	2 Mfd.	6" x 3 1/2" x 1 1/4"	12.00
TH 400	4 Mfd.	6" x 4" x 1 1/4"	22.00

TYPE HP: For Continuous Operating Voltages Up to 3000 Volts D.C. (2200 rms. RAC)			
Type	Capacity	Size	List Price
HP 100	1 Mfd.	6" x 4 1/4" x 1 1/4"	15.00
HP 200	2 Mfd.	6" x 4 1/2" x 1 1/4"	25.00
HP 400	4 Mfd.	6" x 5 1/4" x 1 1/4"	48.00



Type TH200



Type HP200

TRANSMITTING TUBE SOCKETS

50 Watt Tube Socket ICA



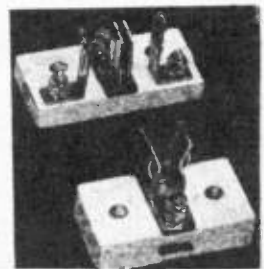
	LIST	NET
	\$2.75	\$1.65



Type 52
Tube Holder
REL
BAKELITE

	LIST	NET
	\$2.50	\$1.70

250 Watt Tube Mountings



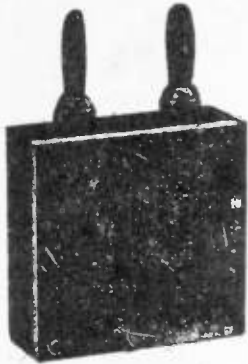
	LIST	NET
	\$4.25	\$3.33

WALTER ASHE RADIO CO.

1100 PINE STREET

ST. LOUIS, MO.

CRYSTAL HOLDER



... This Plug-in Dust Proof Quartz Crystal Holder is ideally suited for the amateur and broadcast transmitters. It has been designed for use with crystals ranging from one-fifth to six millimeters in thickness (20-600 meters).

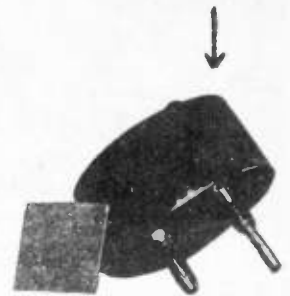
Standard G.R. tips are used spaced $\frac{1}{4}$ " to fit a standard G.R. connector.

Type "A"—Measures $1\frac{1}{32}$ " square inside. Overall dimensions $2\frac{1}{4}$ " x $1\frac{1}{2}$ " x $\frac{1}{8}$ ".

Type "B"—Measures $1\frac{1}{8}$ " square inside. Overall dimensions $2\frac{3}{8}$ " x $1\frac{1}{4}$ " x $\frac{1}{8}$ ".

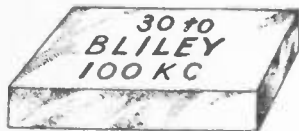
Both types, each..... **YOUR COST** \$1.75

NEW BLILEY MOULDED BAKELITE HOLDERS STANDARD $\frac{3}{4}$ " PLUG IN CONNECTORS NET \$1.50



QUARTZ CRYSTALS

For All Requirements



The Bliley piezo-electric quartz crystals are extra high grade precision crystals for use in the up-to-date amateur radio station. These one inch square crystals insure a single steady frequency within one tenth of one per cent of their marked calibration.

When you purchase these crystals from **ASHE** you are guaranteed first quality and the finest grade of quartz obtainable. It pays you to know who makes your crystals.

1715 to 2000 KC.....	YOUR COST \$5.50
3500 to 4000 KC.....	5.50
4666 to 4800 KC Crystals for tripling frequency into 20 meter zone and CW band.....	7.00
7000 to 7300 KC.....	\$5.50

WALTER ASHE QUARTZ CRYSTALS

"X" CUTS

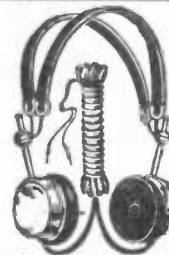
80

160

OR FREQUENCY TRIPLERS \$2.25

465 K.C. Crystals for 1.F

Filters \$3.50



BRANDES PHONES

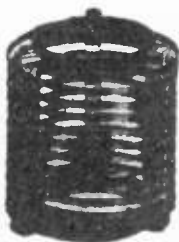
Made of finest materials available. We have sold this head set exclusively for the last three years and have sold them to a lot of satisfied customers.

YOUR COST \$1.90

INDUCTANCE



"S"



"LL"

Type S

Type "S" 3" diameter 6" long, 11½ turns. Especially designed for extreme high frequency transmission. 15,000 kilocycles (20 meters) or more; however, it can be used down to 3000 kilocycles (100 meters) in circuits employing large shunt capacity.

Type L

Type "L" 5" diameter 6" long 11½ turns. For transmission in the 1715, 3500 and 7300 kilocycle bands (150, 80 and 40 meter bands) depending on the amount of capacity shunted across the inductor.

Type LL

Type "LL" 8" diameter 6" long 11½ turns. Specially designed for transmitters operating below 1500 kilocycles (above 200 meters) Broadcast Stations. A number of these units may be connected in series.

Type "L" or "S", Single Unit.....	List Price \$5.50	NET \$2.27
Type "L" or "S", Double Unit.....	11.00	6.48
Type "LL", Single Unit.....	11.00	6.48

R. E. L.



Cat. No. 250-A Choke Coil, List Price....\$1.30

The Cat. No. 250-B radio frequency choke coil is designed for transmitter circuits operating on wavelengths between 90 and 200 meters. Inductance .73 millihenries, DC resistance 7.1 ohms. Size 6" long x 1" diameter.

NET \$1.90

Radio Frequency Choke



REL Cat. No. 132 is adaptable in all short wave receiver circuits and in low-powered transmitter circuits. This choke may be used to good advantage in grid circuits of high-power tubes.

The No. 132 choke is of the pie wound type, having 5 small pancake windings. This design reduces the effective field of the choke coil and also the distributed capacity of the windings. Will work efficiently at all wave-lengths between 15 and 90 meters. The coil measures $2\frac{1}{4}$ " x $\frac{1}{4}$ " diameter.

Cat. No. 132 RF Choke Coil, List Price.....\$1.10

NET \$1.65

Wireless Practice Set



R-68 "Signal" Wireless Practice Set

List Price, \$3.40.

Just the thing to master the code with. Comes with booklet on how to learn the code and full instructions on how to use instrument. Equipped with high frequency radio buzzer.

NET 2.04

SHORT WAVE RECEIVER AND TRANSMITTER KITS FURNISHED ON REQUEST.

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

WIRE WOUND GRID LEAKS FOR TRANSMITTERS

WARD LEONARD VITROHM TRANSMITTING GRID LEAKS AND RESISTANCES



TRANSMITTING GRID LEAKS

These transmitting grid leaks are recommended for use with transmitting tubes of the types listed.

Tube	Catalog Number	Resistance Ohms	Current m. a.	Net Price
'10	507-8	10,000	40	.60
'45	507-68	50,000	10	1.02
'52	507-204	15,000	85	.96
'11	507-8	10,000	40	.60
'08A	507-8	10,000	40	.66
'04A	507-51	10,000	75	1.80

STABILIZING RESISTORS OR BLEEDERS

When the plate potential of radio transmitters is supplied by filtered rectified A.C., it is common practice to connect a stabilizing resistor across the output of the plate supply. The advantages are:

1. Protects the filter condensers from high peak voltages, which lengthens their life.
2. Steadies the note.
3. Tends to eliminate "chirps."
4. Discharges condensers when key is open.

Output Voltage	Catalog Number	Resistance in Ohms	Current m. a.	Net Price
500	507-65	25,000	20	.75
1000	507-65-2	50,000	20	1.50
1500	507-65-3	75,000	20	2.25
2000	507-65-4	100,000	20	3.00

CENTER-TAPPED RESISTORS

Tube Voltage	Catalog Number	Total Resistance	Current m. a.	Net Price
2 1/2	507-113	20	600	.54
7 1/2	507-114	100	275	.54
10	507-114	100	275	.54

Clarostats

The Power and Super-Power Clarostats are heavy-duty resistors for radio power units, transmitters, or general electrical applications. The Power Clarostats will handle 80 watts, and the Super-Power Clarostats will carry 250 watts. Both types can be mounted either one-hole or base-board manner.



Power Clarostats

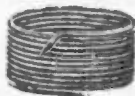
Model	Resistance Range	Ohms	List Price	YOUR COST
File Control	1/4 to 10		\$3.50	\$2.06
Low Range	25 to 500		3.50	2.06
Uni. Range	200 to 100,000		3.50	2.06

Super-Power Clarostats

Model	Resistance Range	Ohms	List Price	YOUR COST
File Control	1/4 to 10		\$6.00	\$3.53
Low Range	25 to 500		6.00	3.53
Uni. Range	200 to 100,000		6.00	3.53

IDEAL FOR
CONSTANT
CONTROL

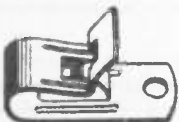
Copper Tubing



For
Transmitting
Inductances.

3/16	per ft.	.05¢
1/4	"	.06¢
5/16	"	.08¢

Fahnstock Clips Bronze

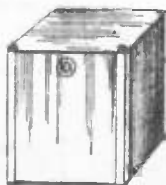


No. 5

NET \$.02

Electralloy Shield Cans

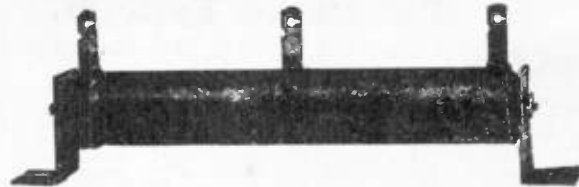
1/16" thick



These cans are made of non-corrosive non-magnetic sheet metal material. Drills and machines much easier than other metals. Finished in beautiful dull silver. These cans are supplied in knocked down form with drilled and tapped corner posts. Can be put together in a few minutes.

Cat. No.	Size	NET	Cat. No.	Size	NET
4110	5x6x9"	\$1.47	4115	14x7x8"	2.25
4111	6x8x9"	1.63	4116	12x10x8"	2.80
4112	5x5x6"	1.33	4117	18x9x8"	3.68
4113	4x5x6"	1.18	4118	12x8x6"	1.63
4114	10x8x8"	2.05	4119	8x9x6"	1.77

"ELECTRAD" WIRE-WOUND GRID LEAKS for TRANSMITTERS



FOR
All Heavy
Duty
Power
Supplies
And
Transmitters

TYPE TL—90 Watt—1" x 6"

Type	Total Resistance Ohms	Resistance of Sections—Ohms	Max. Working Current in Milli- amperes	List Price	YOUR COST
TL 50	5000	2500-2500	134	\$2.50	\$1.50
TL 100	10000	5000-5000	95	2.75	1.65

TYPE CF—40 Watt—1/2" x 4"

Type	Total Resistance Ohms	Resistance of Sections—Ohms	Max. Working Current in Milli- amperes	List Price	YOUR COST
CF .1	10	5-5	20	\$1.50	\$0.90
CF .2	200	100-100	85	1.50	.90

TYPE TG—190 Watt—1 1/4" x 10"

Type	Total Resistance Ohms	Resistance of Sections—Ohms	Max. Working Current in Milli- amperes	List Price	YOUR COST
TG 50	5000	2500-2500	195	\$3.00	\$1.80
TG 100	10000	5000-5000	137	3.50	2.10
TG 150	15000	5000-5000-5000	112	4.50	2.70
TG 200	20000	10000-10000	97	4.25	2.55
TG 300	30000	15000-15000	79	5.00	3.00
TG 500	50000	25000-25000	61	5.50	3.30
TG1000	100000	50000-50000	43	6.00	3.60



G. R. Pins
Net, Each

.07



G. R. Jacks,
Net, Each

.07

SPADE
LUGS

NET 5¢ PER DOZ.

Soldering Lugs and
Phone Tips

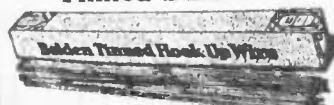


No. 16
2 FOR 6¢



No. 5
5¢ PER DOZ.

Tinned Buss Wire



NET
2 FOR 5¢

Spaghetti Flexible
Varnished Tubing
Aerial Wire

7 CENTS
PER LENGTH

No. 12 Solid Enamel 100' Roll.
No. 10 Solid Enamel 100' Roll.

NET
\$.60
\$.85

Alco Box Shield



Made of heavy Alco Aluminum Sheet. It possesses high electrical conductivity necessary for shielding and mechanical strength for good construction. When assembled it is 9"x6"x6". The Aluminum Box Shield is ideally suited for Monitors, Frequency Meters, Dynatron Oscillators, Stage Shields, etc.

List price, \$4.00.

Your cost, \$2.80

WALTER ASHE RADIO CO.

1100 PINE STREET

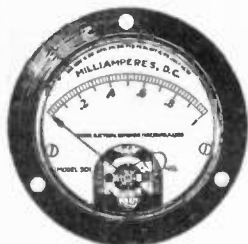
ST. LOUIS, MO.

OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO. LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.

Weston Radio Instruments

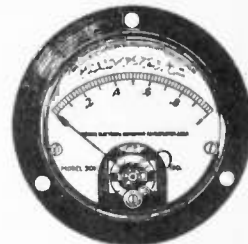
3/4" Panel Type D. C., A. C. and Thermocouple

D.C. Filament or Plate Voltmeters—Model 301



Model 301

	List Price	YOUR COST
Voltmeters—1, 1.5, 2, 3, 5, 7, 8, 10, 15, 20, 25, 30 volts (Resistance 62 ohms per volt) ..	\$8.00	\$5.88
50 or 100 volts (Resistance 200 ohms per volt)	8.00	5.88
150 volts (Resistance 200 ohms per volt)	10.00	7.35
200 volts (Resistance 250 ohms per volt)	10.50	7.71
300 volts (Resistance 666 ohms per volt)	14.00	10.28
50 volts (Resistance 666 ohms per volt)	16.00	11.76
10, 15, 50 or 100 volts (1,000 ohms per volt)	12.00	8.82
150 or 200 volts (1,000 ohms per volt)	14.50	10.65
300 volts (1,000 ohms per volt)	16.00	11.76
500 volts (1,000 ohms per volt)	17.50	12.86
750/250/100/50/10/5 volts (1,000 ohms per volt)	25.50	17.77



D.C. Filament Ammeters—Model 301

	List Price	YOUR COST
Ammeters—1, 1.5, 2, 3, 5, 8, 10 or 15 amperes	\$8.00	\$5.88

D.C. Plate Milliammeters—Model 301

	List Price	YOUR COST
Milliammeters—1, 1.5 or 2 milliamperes	\$10.00	\$6.75
5, 10, 15, 20, 25, 30, 50, 100, 150, 200, 300, 500 or 800 milliamperes	8.00	5.88
2-Scale Type—150/15 or 150/30	13.00	9.56
50-0-50 or 100-0-100	8.00	5.88

Volt-Ohmmeters—Model 301

Volts	Ohm Scale	Battery Voltage	List Price	YOUR COST	Volts	Ohm Scale	Battery Voltage	List Price	YOUR COST
1.5	0-1,000	1.5	\$10.00	\$7.35	4.5	0-100,000	4.5	\$12.00	\$8.82
1.5	1-3,000	1.5	10.00	7.35	15.0	0-500,000	15	12.00	8.82
4.5	0-10,000	4.5	10.00	7.35	90.0	0-2,000,000-90		16.00	11.76
4.5	0-30,000	4.5	11.00	8.09					

A.C. Rectifier Type—Model 301

	List Price	YOUR COST
Voltmeters—3, 5 or 15 volts (1,000 ohms per volt)	\$14.00	\$10.28
50, 100 or 150 volts (1,000 ohms per volt)	15.00	11.03
1, 1.5, 3, 5 or 15 volts (2,000 ohms per volt)	16.50	12.13
50 volts (2,000 ohms per volt)	17.50	12.86
100 volts (2,000 ohms per volt)	18.50	13.60

2,000 ohms per volt instruments should be used in the horizontal or 45° positions.		
Milliammeters—1, 2 or 5 M.A.	12.50	9.37
State position in which instrument is to be used.		
Microammeters—500 microamperes	14.50	10.65
Should be used in horizontal or 45° positions.		

D.C. Microammeters—Model 301

Microammeters—200 microamperes	\$13.50	\$9.92
500 microamperes	12.00	8.82

Thermo-Ammeters—Model 425

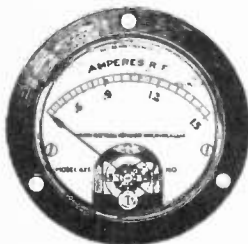
	List Price	YOUR COST
Ammeters—1, 1.15, 2, 2.5, 3, 4, 5, 6, 8, 10, 15 or 20 amperes	\$13.50	\$9.92

Thermo-Milliammeters—Model 425

Milliammeters—120, 250 or 500 milliamperes	15.00	11.03
Cannot be used on Direct Current.		

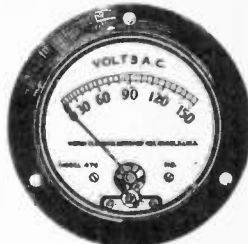
Wavemeter Galvanometer—Model 425

Galvanometers—115 milliamperes (Resistance 5.2 ohms)	15.00	11.03
Cannot be used on Direct Current.		

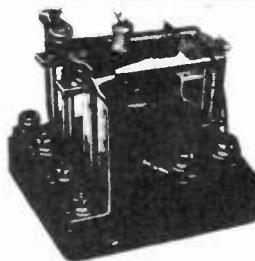


A.C. Instruments—Model 476

	List Price	YOUR COST
Voltmeters—1.5, 2, 3, 5, 10, 15, 25 or 50 volts	\$8.00	\$5.88
150 volts	10.00	7.35
250 or 300 volts	12.00	8.82
750 volts	18.00	13.23
1,000 volts	24.50	18.02
150/8/4 volts	15.00	11.03
750/150/16/8/4 volts	20.00	14.70
Ammeters—1, 2, 3, 5, 10 or 20 amperes	8.00	5.88
30 or 50 amperes	10.00	7.35
Milliammeters—15, 25, 50, 100, 250 or 500 milliamperes ..	8.00	5.88



WARD LEONARD MIDGET MAGNETIC RELAYS MADE FOR THE HAM!



TYPE 6 MOULDED

NO. 6

MF.	V.	LIST	NET
.001-5,000		\$5.00	2.94
.002-6,000		5.00	2.94

Sure Fire Antenna Insulator

20" x 1 1/2" - PORCELAIN

NET \$.60

Catalog Number	Description	Pole	Throw	Break	Normally	Volts		LIST Price	NET PRICE
						A. C. 60 Cycles*	D. C.		
507-501	For use with Mercury Vapor Rectifiers. Equipped with enclosing cover and adjustable thermal time element to delay the application of the plate potential. Front of panel mounting.								
507-502	For use with Mercury Thermostat for Crystal Oven Control.	Single	Single	Single	Open	110		15.00	8.82
507-503	For Remote Control of Circuits.	Single	Single	Double	Closed	110		DISCONTINUED	
507-504	For Remote Control of Circuits.	Double	Single	Single	Open	6 to 8		8.00	4.71
507-505	For Remote Control of Circuits.	Double	Double	Single	Open	6 to 8		9.00	5.30
507-506	For Remote Control of Circuits.	Double	Double	Single	Open	6 to 8		9.00	5.30
507-507	For Keying.	Single	Single	Double	Open	2.5		7.00	4.12
507-508	For Keying.	Single	Single	Double	Open	6		7.00	4.12

WALTER ASHE RADIO CO.

1100 PINE STREET

--:--:--

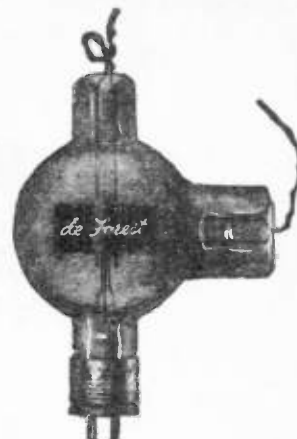
ST. LOUIS, MO.



de Forest

Transmitting Audions

The DeForest reputation for engineering skill and painstaking precision has been zealously guarded in the manufacture of the DeForest Transmitting Audions. The DeForest script etched on each transmitting tube is assurance that your investment is fully protected by a guarantee of satisfactory performance. These same tubes are used in commercial and broadcasting stations throughout the world, and are giving 100% satisfaction.



Tubes	Description	Your Cost
510	15-Watt oscillator. Specially treated plate gives high plate dissipation. No creeping. High Voltage breakdown. Low leakage. Ideal for crystal control oscillators.	\$ 4.12
511	50-Watt oscillator and RF amplifier, modulator or RF power amplifier, indeed a general purpose tube	14.70
503A	50-Watt oscillator and RF power amplifier. the standard "50-watter." Not generally suited for Modulator purposes.	14.70
545	50-Watt AF amplifier and modulator. Not generally suited as an oscillator or RF power amplifier	14.70

Tubes	Description	Your Cost
552	75-Watt oscillator and RF power amplifier. Low internal capacity between elements. Low frequency shift	\$ 23.00
504A	250-Watt oscillator, modulator or RF power amplifier. Standard "250-watter" in general use	97.50
504	250-Watt oscillator, modulator or RF power amplifier, for heavy duty. Has rugged tungsten filament, rating 11 volts 14.85 amperes. A general-purpose tube.	97.50
549	350-Watt modulator, RF power amplifier or oscillator. Especially valuable as a modulator or speech amplifier, interchangeable with UV849	160.00



Tubes	Description	Your Cost
565	7½-Watt screen grid RF power amplifier. Useful as buffer amplifier in telephone transmitters. Extremely low control grid-plate capacity and requires no neutralizing	\$ 15.00
560	75-Watt screen grid RF amplifier, extremely low grid-plate capacity, no neutralizing	35.00
561	500-Watt screen grid RF amplifier, interchangeable with UV861	292.50
571	750-Watt air-cooled, high-frequency oscillator and RF power amplifier. Extremely valuable at "ultra high" frequencies. A large 552	200.00
566	A "Half-Wave", hot hat cathode, mercury vapor rectifier, 2.5 volts, 5 amperes on filament. Maximum peak inverse voltage, 7500. Anode peak current, 0.6 amperes. Especially valuable for amateur transmitter plate supply	3.95
572	A "Half-Wave", hot cathode, mercury vapor rectifier, 5 volts, 10 amperes on filament, 7500 maximum peak inverse volts, anode peak current, 2.5 amperes. Especially useful for broadcast transmitter ...	16.50



WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

**OUR PURCHASE OF THE STOCK OF THE BANKRUPT VAN ASHE RADIO CO.
LEAVES US THE LARGEST AND OLDEST PARTS DISTRIBUTOR IN ST. LOUIS, MO.**

THORDARSON
ELECTRIC MFG. CO.
PLATE SUPPLY
TRANSFORMERS

Rock Bottom Prices

THORDARSON
ELECTRIC MFG. CO.
FILAMENT
TRANSFORMERS

Fig.

A

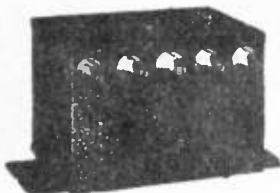


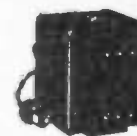
Fig.

B



Fig.

C



PLATE

Type Number	Primary Voltage	Secondary Voltage	D.C. Current	Volt-Amperes	Size Inches	Weight Pounds	Fig.	List Price	NET
T-2385	115	1500-1100 ct	.080	100	5x5.2x6	8.5	B	\$14.00	\$ 8.20
T-2387	115	2000-3000 ct	.110	300	7.5x5.8x7.5	20	B	\$19.00	11.18
T-2388	115	3000-4000 ct	.140	500	5.5x6.8x9.3	30	A	\$25.00	14.70
T-2389	115	3000-4000 ct	.250	1000	7x7.3x10	54	A	\$30.00	17.64
T-5140	115	510 D.C. @	.030- .200	125	6.3x6.8x10.5	28	A	\$20.00	11.76
T-2098	115	1120 ct 2-Sec 7.5 ct	.100 2.5	150	4.5x5.3x5.8	14	C	\$ 9.00	5.30
T-2900	115	1230 ct 2-Sec 7.5 ct	.130 2.5	175	4.5x5.3x5.8	16	C	\$12.00	7.06
T-2950	115	1290 ct 2-Sec 7.5 ct	.170 2.5	210	4.8x6.3x5.8	18	C	\$15.00	8.82

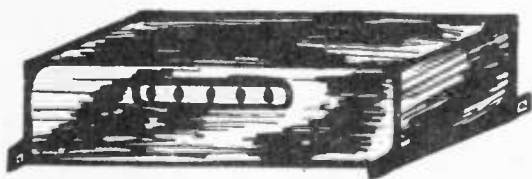


Fig. A

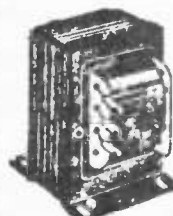


Fig. B

Type Number	Primary Voltage	Secondary Voltage	Volt-Amps.	Insulation	Fig.	Size Inches	Weight Pounds	List Price	FILAMENT NET
T-3680	115	2.5 ct 10 amp.	25	5000	A	3.5x4x4.5	5	\$ 7.50	\$4.41
T-2382	115	12 ct 6.7 amp.	80	2200	A	3.5x4x4.5	5	\$ 6.00	3.53
T-2383	115	12 ct 14.6 amp.	175	2200	A	4.5x5x6	12	\$10.00	5.88
T-4586	110-220	5 ct 20 amp.	100	10000	B	6.1x5.6x6.6	19.5	\$15.00	8.82
T-2610	115	15 volts 3 amp.	45	1100	A	3x3.3x3.8	3.5	\$ 4.00	2.36
T-2230	115	7.5 ct 4.7 amp.	35	1600	A	3x3.3x3.8	3.5	\$ 6.00	3.53



BARGAIN CONDENSER BLOCK
1000 V.D.C. 4 SECTIONS
13 MFD. TOTAL. FULLY GUAR-
ANTEED. **\$ 3.00**



THORDARSON 15 HENRY 250 M.A.
CHOKES. NET EACH \$2.98

THORDARSON PLATE TRANSFORMERS,
800 V. each side C.T. at 150 M.A.
NET EACH \$4.67

FRANKLIN FILAMENT TRANSFORMERS
TWO WINDINGS. 2½ V. at 12 A.
5 V. at 2 A. NET EACH \$.95

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.



THE SHORT WAVE LIBRARY

THE MANUAL OF SHORT WAVE RADIO—Volume One

Simple receivers for the beginner — Technique of tuning — Short wave supers by Zeh Bouck, 50c

THE MANUAL OF SHORT WAVE RADIO—Volume Two

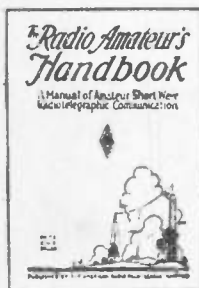
Learning the Code — The converter handbook — Tuned r.f. receivers and supers by Zeh Bouck, 50c

THE MANUAL OF ULTRA SHORT WAVE RADIO

Transmission and reception on the quasi-optical waves below 10 meters by James Millen and R. S. Kruse, 50c

This new NATIONAL Manual of Ultra Short Wave Radio "Below 10 Meters" blazes new radio trails for you to follow. It contains the history of Ultra Short Wave Development, articles about the Generation, Radiation and Measurement of Ultra Short Wave Quasi-Optical and Infra-Red Rays, the Commercial Application of Short Waves in Communication Work, the use of Ultra Short Waves in Medical Treatment, the use of 3 1/2 Meter and the 5 Meter Amateur Band, Uses of Ultra Short Waves for Television, and contains over 120 illustrations and 68 pages of new and valuable information for experimenters and amateurs.

Radio Amateur's Handbook



Approx. 250 pages, 9 1/2 x 6 1/2". Illustrated LATEST EDITION

Pub. by American Radio Relay League (A.R.R.L.) More than 100,000 copies sold. This book is referred to as the "Amateur's Bible." Contains everything that a "Ham" or a prospective amateur should know. Flexible covers.

\$1.00

Citizens' Radio Amateur Call Book

ALWAYS UP-TO-DATE

Issued quarterly, March, June, September and December. Amateur and Commercial Stations from 83 different countries. Single copies.....NET \$1.00



A COMPLETE LIBRARY FOR THE MODERN HAM

How to Build and Operate Short Wave Receivers

An excellent book for the advanced and beginner in radio. Tells all about short-wave receivers and how to build them. 72 Pages, 9 1/4 x 7 1/4". Over 200 Illustrations. Flexible Cover. **45c**

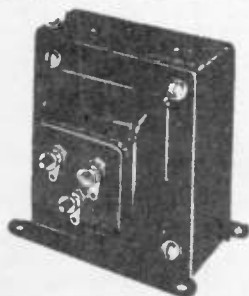
Write to us for information on any book or magazine you wish to obtain.

Manual of Short Wave Radio

64 pages. Size: 8 1/2 x 11 1/2". By ZEH BOUCK

Contains valuable information for the amateur and those who are interested in short-wave work.

50c



T-5101 THORDARSON SPECIAL OUTPUT TRANSFORMER—black lacquered. Size 3 1/4 x 4 x 4. List Price \$10.00.

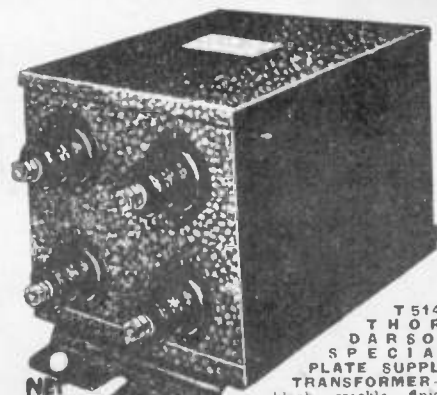
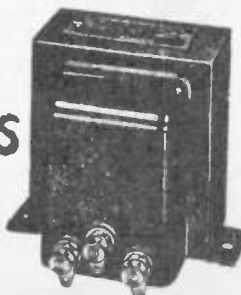
NET \$5.88

THORDARSON CLASS "B"

FOR 210 TUBES

NET \$4.41

T-5100 THORDARSON SPECIAL INPUT TRANSFORMER—black lacquered. Size 3 1/4 x 3 1/4 x 3 1/4. List Price \$7.50.



NET \$14.41

T-5140 THORDARSON SPECIAL PLATE SUPPLY TRANSFORMER—black crackle finish. Size 6 1/4 x 6 1/4 x 10 1/2. List Price \$24.50.

WALTER ASHE RADIO CO.

1100 PINE STREET

--

--

--

ST. LOUIS, MO.

TER ASHE RADIO CO.

110th Pine Street - - St. Louis, Missouri

Return Postage Guaranteed

Sec. 435½, P. L. & R.
U. S. POSTAGE

Paid

St. Louis, Mo.
Permit No. 1865

2nd EDITION
A NEW
1933 CATALOG

TO SET

FILTER CONDENSER
LEAD



New Type Indoor Aerial
"UNDER THE RUG"

For Distance — Selectivity — Volume
List \$1.00 Our Net \$0.65

John Pierce
819 Regina Ave
St. Louis Mo
2-2-33