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# RADIO *Troubleshooter's* HANDBOOK

*Companion Book to "Modern Radio Servicing"*

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RADIO MFGS  
& INFORMATION

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**Technical Division . . . . MURRAY HILL BOOKS, INCORPORATED**  
232 MADISON AVENUE NEW YORK 16, N. Y.

**BREITING**  
(Breiting Radio Mfg. Co.)

Model	kc
Breiting 9	432
Breiting 14	432
Breiting 14AX	432
Breiting 49	1600

**CLIPPER**

(Radio Products Sales Co.)

Model	kc
60 (1937 & 1938)	456
78 (5 tube)	465
78A, 78B, 78C	460
78F	465
78G	460

**DUNN-HALL**  
(Dunn-Hall Co.)  
(Air Raider)

(Dunn-Hall, Remington, Tiny Tim)

Model	kc
45, 51 (Dunn-Hall)	465
52 (Tiny Tim)	460
53 (Dunn-Hall)	465
61, 63 (Dunn-Hall)	465
157 (Remington)	465
161, 163 (Remington)	465
250, 258 (Remington)	465
353, 354, 354A (Dunn-Hall)	465
354-AC, 354-C	465
363, 364, 364A (Dunn-Hall)	465
364-AC, 364-C	465
381 (Remington)	465

**EL REY**

(El Rey Radio Mfg. Corp.)

Model	kc
7 Tube AW	262.5
A, B, C	465
10, 15, 20	465
644, 645	465
845	465

**JACKSON BELL**

(Jackson-Bell Co., Ltd.)

Model	kc
24	456
25, 25A, 25U	175
26S	175
26SBL	465
27, 28, 29	175
33	340
79	175
84, 86, 87, 88	175
89, 89-A	175
99	175
205 (auto radio)	465

**(KELLER-FULLER MFG. CO., LTD.)**

(Keller-Fuller, Radiette)

Model	kc
50S	175
70, 80, 90	175
120	175
Radiette 70	175

**MELBURN**

(Melburn Radio Mfg. Co.)

Model	kc
23	465
31	465
40	465
45	465
50	465
55	465

**PACIFIC CRUSADER**

(See Pacific Radio Corp. of Los Angeles, Cal.)

**PACIFIC RADIO CORP.**  
(of Los Angeles, Cal.)

(Jackson Bell, Pacific Crusader. For early Jackson Bell receivers, see listing under Jackson Bell Co., Ltd.)

Model	kc
28	456
34, 34S, 37	456
37A, 37AT, 37P, 37T	456
45	456
50, 55, 55-CM	456
57, 57A, 57AN, 57C	456
57P, 57T, 57X	456
60, 80	456
406, 456	456
506, 506M, 556	456
577	456
577A	456
606, 606M, 606U, 606UM	456
806, 806C, 806X	456

**PACIFIC RADIO CORP.**

-(Cont'd)

Model	kc
40, 40-38	465
41, 41-38	465
42, 43	465
50, 51	465
61	456
80, 81A, 90	465
101	456
102	177.5
102 (Early)	175
102B	262.5
110, 150	465
301, 302	465
320	465
321-36	465
321-37	465
481	456
601	465
681, 682	465
702	465
915	465
3280	465
6320, 6322	465
6322XE	465
6370, 7370	465
14270	465

**PETER PAN**

(Peter Pan Radio Mfg. Co.)

Model	kc
4-S	465
6	260
25-AV, 25-UV	255
45-37	465
56	465
58 (auto radio)	465
77	465
77-A	465
88	465
555	465

**PACIFIC RADIO EXCHANGE**

Model	kc
Spero Super	175

**SHELLEY RADIO CO.**

Model	kc
5, 6	460
34	460
35C-AW	465
37C	458
48	460
65, 67, 75	460

**WESTONE RADIO CORP.**

Model	kc
11, 12	456
34 (4 tubes)	456
34 (5 tubes)	456
40	456
70, 70C	456

PIERSON - DE LANE INC.  
PO 88 465  
PAIS 465

**AUSTIN**

Model	kc
S, SP	175

**HARRIS**  
(Harris Mfg. Co.)  
(Also Electrotone)

Model	kc
500, 501W	465
600	465
700, 701W	465
1201W	465

**GENERAL ELECTRIC  
(CANADIAN)—(Cont'd)**

Model	kc
M-41, M-42	460
M-50, M-51, M-52	460
M-55A, M-56, M-58	460
M60, M60-2	260
M-61	460
M-62	460
M-64, M-65	370
M-67	460
M68, M69	260
M-77	175
M-81, M-86	460
M-106, M-107	460
M-125	460
N-51	260
S-S42	175
S-22, S-22A	175
S-22X, S-25	175
S-42A, S-42B	175

**GENERAL ELECTRONICS**

Model	kc
AW-50	465

**GENERAL HOUSEHOLD  
UTILITIES CO.**

(See listings under Grunow)

**GENERAL MOTORS CORP.  
(Day-Fan)**

Model	kc
210 (S-1A, S-1B)	175
211	175
216, 217 (S-1A, S-1B)	175
219, 220 (S-1A, S-1B)	175
250 (S-1A, S-1B)	175
251 (S-2A, S-2B)	175
252	175
253	175
254	175
255	175
256	175
257	175
258	175
281	175
292, 293	175

(For listings of later receivers, see United Motors Service)

**GENERAL TELEVISION  
AND RADIO CORP.**

(See General)

**GILFILLAN  
(Gilfillan Bros., Inc.)**

Model	kc
Petite	460
5 Tube Super (1934-1935)	175
X (auto radio)	460
5	175
5B7, 5B8, 5B9	460
5C, 5D	175
5G8, 5SJ, 5S8	460
5M, 5T	175
5T8	460
5X	450
6C	262.5
6G8	460
6PR	460

(Cont'd)

**GILFILLAN—(Cont'd)**

Model	kc
6T	262.5
6X8	175
7-A (auto radio)	175
7C8, 7F8, 7T8	460
8-A (auto radio)	262
8APR	460
8C	262.5
8C8, 8C8E	460
8T	262.5
8T8	460
8T8E	460
8X (auto radio)	265
13C8	460
13C8E	460
32, 33A (auto radio)	175
34	450
35	175
41	175
47, 50	262.5
52-A	460
53-A	465
54-A	460
54-S	460
55-A, 55-B	450
56-S	460
60-A (auto radio)	175
62-B, 62-X	175
63-B, 63-X	460
66-S	460
67-A, 67-R (auto radio)	252.5
76A	460
76M, 76S	460
77, 77-A, 77-R (auto radio)	252.5
78-B, 78-X	460
87-R (auto radio)	262.5
96-B, 96-X	460
97-B, 97-X	460
108M	460
110	175
116-B, 116-X	460
117-B, 117-X	460
138M	460
200, 250	175
501T	460
510, 510T	175
515	460
520	175
521T-C	460
615, 625	262.5
711T	175
715, 723T-C, 725	460
731C, 731T, 731T-C	460
815, 825	262.5
831C, 831T, 831T-C	462
1131C, 1331C	462

**GOODYEAR SERVICE  
(Wings)**

Model	kc
404	465
478 Series A	465
504	465
522, 523-B	465
540	456
550	456
566	465
575	175
585	465
585 Series A	370
585 Series B	370
587	465
588	465
601	465
602	465
602B	470
623	465
661, 666	465
667	262.5
670, 675	175
691	465
741	465
749	456
777 Series AB	465
787	465
881	262.5
888, 889	465
1170-C	465
1171	465
1173, 1174	465
1175	465
01009, 01018	465
01020	262.5
01029	465
01030	465
01500 (auto radio)	456
01501 (auto radio)	262
01502 (auto radio)	465
01503	456
01554	465
010211	465
010219	465
010220	465
010221	465
010222	465
015050	455
015060	455
015070	455
015080	455
015090	455
015100	455
015110	455
015120	455
015130	455
100502	465
101500	456
101501	262
101503	456
103533	455

**GLORITONE**

(See U. S. Radio & Television Co.)

**GOLDENTONE**

(See also listings under Fordson)

Model	kc
L5, L6, L7	456
Z4, Z5	456
All 1936-7 models	456

**GOLDENVOICE**

(See Motorola)

**GOODYEAR TIRE & RUBBER  
CO. INC.**

(See Goodyear Service)

**GRAHAM-PAIGE MOTORS  
(See also United Motors Service.  
Also see Graham-Paige Models  
listed under Philco)**

Model	kc
G-1418, G-1436	260
G-1528	260

**SUPERTONE**

(Supertone Products Corp.)

Model	kc
Superba	465
A31	456
L5, L6, L7	456
Z4, Z5	456

**SYNCHROPHASE**

(See Grebe)

**SYNCRATONE**

(See Gaylord)

**L'TATRO**

(See L'Tatro listing in letter "L" section)

**TOM THUMB**

(See Automatic Radio Mfg. Co., Inc.)

**TIFFANY TONE**

(Herbert H. Horn Mfg. Co.)

Model	kc
Riviera 66, 66MT, 66PR	465
5, 5A, 5AB, 5AC, 5AD	465
5AVC, 5AW	465
5M, 5MB	465
5MT, 5MTC, 5MTD	465
5MTW, 5MW, 6C	465
7C, 7MT, 7MTC	465
8M, 8MT, 8MTC	465
9M	1600
9MT, 9MTC	1600
10MT, 10MTC	1600
11-A	465
16MT	1600
17MT	1600
16MTC, 17MTC	1600
24	465
30, 32	175
36	465
50, 50-B, 50-I, 50-P, 50-PR, 50-R	465
51, 51C	465
52, 52C, 55	465
56	465
57, 58	465
59	175
62, 62C	465
63	465
65, 65C	465
66, 66C	465
66MT, 66MTC, 66PR, 67, 67A, 67C	465
69	465
70, 71	175
72, 73, 73C, 73PR	465
76	465
76MT, 77	465
79	175
83, 83C, 83W, 87	465
87A, 87B, 87C, 87WE	465
90	175
97, 97C	465
99, 101, 101-B	175
102, 102B, 109	175
110, 111	175
112-A, 124	465

(Cont'd)

**TIFFANY TONE—(Cont'd)**

Model	kc
136	465
156, 156AW, 156-C	465
158, 158-C	465
419	465
501	465
517, 517PR, 517WE	465
518, 518A, 518APR	465
518C, 518CA	465
518PR, 518WE	465
535, 536 (auto radios)	465
537, 538 (auto radios)	465
557 (auto radio)	465
611, 612	465
639, 710	465
935, 936	456
1934	175

**TINY TIM**

(See Dunn-Hall)

**TOBE**

(Tobe Deutschmann Corp.)

Model	kc
Communication G	456
Communication M	456
PCA Converter AW	550

**TRANSFORMER CORPORATION OF AMERICA**

(Clarion, TCA)

Model	kc
AC-80, AC-81, AC-84	175
AC-85, 85 (25 cycles)	175
AC-90, AC-90A, 90 (25 cycles)	175
AC-91, 91 (25 cycles)	175
AC-94, 94 (25 cycles)	175
AC-100	175
AR-100	465
AC-140, 140 (25 cycles)	175
AC-160, 160 (25 cycles)	175
AC-220, 220 (25 cycles)	175
AC-240, 240 (25 cycles)	490
AC-260, 260 (25 cycles)	175
AC-280, 280 (25 cycles)	175
AC-300, AC-320, AC-340	175
TC-1, TC-2	262
TC-6	465
TC-15	175
TC-20	465
TC-21	465
TC-22, TC-23	456
TC-28, TC-29	465
TC-31	456
TC-35A	456
TC-35LW	456
TC-36	456
TC-36A	456
TC-36LW	456
TC-37	456
TC-37A	456

(Cont'd)

**TRANSFORMER CORPORATION OF AMERICA—(Cont'd)**

Model	kc
TC-37LW	456
TC-38	456
TC-39	456
TC-39A	456
TC-39LW	456
TC-42	456
TC-43	456
TC-44	456
TC-50	175
TC-53A	456
TC-65	456
TC-66	456
TC-75	456
TC-76	456
25-94	175
25-160	175
25-280	175
83	175
92, 95, 96	175
100 (25 cycles), 101	175
110, 111	175
120, 120-139	175
121	175
130, 131, 139	175
150	175
170, 171	175
200	1000
230, 241	175
270, 290	175
321, 322	175
360	175
400, 401, 407	456
420	175
422, 423, 425, 440	465
450, 451	465
470, 471	465
472, 480	465
490, 500	175
506	456
600, 601	456
700, 701	456
750, 751	456

**TRANSITONE**

(See Philco)

**TRAV-LER**

(Trav-ler Radio & Telev. Corp.)

Model	kc
5 Tube Batt.	456
6 Tube Auto	262
6 Tube Batt. or AC	456
7 Tube Auto	262
7 Tube AC-DC	456
8 Tube Batt.	456
11 Tube AC Super	456
A-549	456
S-8, S-9, S-10	175
8	456
32	456
51, 53, 54	456
54A (auto radio)	456
60A, 63A, 63M	456
64 (auto radio)	456
76	456

(Cont'd over)

*HORN*

MIDWEST—(Cont'd)

Model	kc
DD-14, DD-16, DD-18	456
E-7, EE-18	456
F-9, F-10, FF-18	456
G-9, G-10	456
G-11, GG-11	456
H-6, HH-7	456
J-11, JT-11	456
K-11	456
K-12, K-16	450
KP-16	456
L-11	456
L-12, L-16	450
M-10, M-11	456
M-12	450
M-14, M-16 (Later Model)	456
M-16 (Earlier Model)	450
MT-14	456
P-14	456
PR-16	450
Q-14	456
R-9, R-10, R-11	456
R-14, R-16, RT-9	456
RT-11, RT-14, RT-16	456
S-16, SW5-36	456
T-16, U-16	456
V-18, VT-18	456
W-18, X-18	456
Y-18, Z-18	456
5-35 (AC-DC)	465
5-36 (AC-DC; SW)	456
5-36 (Auto)	456
6-33, 6-34	450
6-37 (AC-DC)	456
6-37 (auto radio)	175
6-38 (AC-DC)	456
7-36	456
7-36 (AC-DC)	450
7-36 (Battery)	465
7-37, 7-37 (AC-DC)	456
7-37 (Battery)	465
7-38	456
8-33, 9-34	450
9-38	456
10-34, 10-35, 10-37 (AC-DC)	456
10-37, 10-38, 11-31	456
11-32	175
11-36, 11-37, 11-37 (AC-DC)	456
12-33	450
12-38AC	456
12-38 (Battery)	456
12-39	456
14-37, 14-37A	456
14-37 Int., 14-Z-9	456
16-33, 16-34	450
16-35, 16-37	456
16-38	456
18-35, 18-36, 18-36A, 18-37	456
18-38	456
18-38 AC	456
20-38	456
22-37, 24-36	456
35-5SW	465
39-8 Batt.	456
39-8 AC	456
39-8 AC-DC	456
39-12	456
39-17	456

JAMES MILLEN  
(See National)

MIRACO  
(See Midwest)

MISSION BELL  
(Mission Bell Radio Mfg. Co.)  
(Aeronautic, Hobbs, Mission Bell)

Model	kc
10, 10-A	252
11 (auto radio), 12	252
14 (auto radio)	456
16	465
16 (Auto)	456
19, 19-A	252
19-B	252
25-A	252
40	456
40AW	456
41	465
41 (Skip Band), 41AW	465
42	252
43, 43AW, 44	465
374, 375, 378	456
383	465
384	465
385	262.5
386, 386AW	465
386C, 387, 387B	465
388, 389, 390, 391	465
392, 393, 395	465
400, 401, 402	465
500, 501	465
638, 638A (auto radios)	267.5
738, 738A (auto radios)	267.5
3516 (auto radio), 3517	465
3518	262
3519	252
3545, 3546	465
3616, 3617, 3618 (auto radios)	465
3710	456
3716	267.5
3717, 3718 (auto radios)	267.5
3718 (DeLuxe)	262
3810, 3810C	465
3811	262.5
3817 (auto radio)	267.5
3818 (auto radio)	262.5
3820 (auto radio DeLuxe)	262.5
3749	465
3817A	267.5
3849, 3859	465
3869, 3871	465
3891	465

MONARCH  
(See Champion Radio Labs.)

MONTGOMERY WARD & CO.  
(See listings under Airline)

MOTO-METER GAUGE & EQUIPMENT CO.  
(Moto-Vox)

Model	kc
Moto-Vox 10-A (above 500)	175
Moto-Vox 10-E	175

MOTOROLA

(Galvin Mfg. Corp., Goldenvoice)

Model	kc
Dual 6, Dual 34	262
FSR-13 1st I-F	4300
FSR-13 2nd I-F	455
FMR-13 1st I-F	4300
FMR-13 2nd I-F	455
Goldenvoice (1936, 1937 and 1938 auto radio)	262
Super 6	456
Twin 8	262
A-1	455
A-1 Series B	455
B-150	455
D-6	262
J-8	175
P-69-12 (Police)	262
P-69-13 (Police)	262
P-69-14 (Police)	262
P-69-17	3000
P-69-18	262
T-8	262
T-77	456
S-10	175
3-A-5	455
5T, 5T1, 5T2, 5Y	465
6	456
6A, 6A2, 6T, 6X, 6Y	465
7-T-47-A	175
8-30, 8-40, 8-50 (auto radios)	262
8-60, 8-70 (auto radios)	262
8-80 (auto radio)	262
9-A, 9-R, 9-Y	465
9-24, 9-24A	455
9-29, 9-39	262
9-44, 9-49, 9-69	262
10-Y, 10-Y1	465
12-Y, 12-Y1	465
15-F (Ford)	455
16-C (Chevrolet)	455
17-D (Chrysler)	465
17-DA	455
18-O (Oldsmobile)	455
19-B (Buick)	455
20-P (Pontiac)	455
21-L (Cadillac, LaSalle)	455
22-S (Studebaker)	455
24-K (Packard)	455
25-F (Ford-Mercury)	455
25-N (Nash-Lafayette)	455
26-C (Chevrolet)	455
26-C-7 (Chevrolet)	455
27-D (Chrysler, DeSoto, Dodge, Plymouth)	455
27-D-6 (Chrysler, DeSoto, Dodge, Plymouth)	455
28-O (Oldsmobile)	455
29-B (Buick)	455
29-B-6	455
30-P (Pontiac)	455
34	262
34K-6 (Packard)	455
34K-7 (Packard)	455
35F	262
35N (Nash)	455
37D-1	262
37D-2	455

(Cont'd)

PACIFIC RADIO CORP.  
-(Cont'd)

Model	kc
40, 40-38	465
41, 41-38	465
43	465
50, 51	465
61	456
80, 81A, 90	465
101	456
102	177.5
102 (Early)	175
102B	262.5
110, 150	465
301, 302	465
320	465
321-36	465
321-37	465
481	456
601	465
681, 682	465
702	465
915	465
3280	465
6320, 6322	465
6322XE	465
6370, 7370	465
14370	465

PACIFIC RADIO EXCHANGE

Model	kc
Spero Super	175

PACKARD-BELL  
(Packard-Bell Radio Co.)

Model	kc
5 (auto radio)	460
5 (home radio)	460
5A, 5B	460
5M, 5T	460
5TP	460
7, 15, 25	460
35, 35 Jr., 35A, 35G	460
35H, 35J, 35L, 35LP	460
35M	460
36, 45	460
45AVC	460
46, 46A	460
46B, 46BK, 46C, 46D	460
46DP, 46E	460
46PC, 46PM	460
47	458
48, 48A	460
48AK, 48B, 48BC	460
48BK, 48BP	460
48D	460
50, 50A, 55	460
65 (auto radio)	460
65 (home radio)	460
66, 66A, 67 (auto radio)	460
75 (auto radio)	460
76 (auto radio)	460
76 (home radio), 77	465
78 (auto radio)	460
86	465
120	460
120A, 120AB, 120C	460
160	460

PACKARD  
(Packard Motor Car Co.)

(Also see Packard models listed under Philco Radio & Television Corp.)

Model	kc
P1417, P1421	260
P1430, P1432	260
P1438, P1439	260
P1517, P1530, P1535	260
PA, PB	260
PHD, PHXD, PT14	260

PACKARD RADIO CORP.

Model	kc
4-Tube Super 5	465
6-Tube Auto Radio	470
4	235
5	470
11, 13	235
24, 24-C	235
46, 85	470

PARAMOUNT RADIO CO.

Model	kc
6C-607, 6L-137	456
6M-27, 6U-107	456
7C-707, 7L-147	456
7U-117	456
8C-807	456
8U-127	456
10C-1007	456

PATHE

Model	kc
P5	455
38T, 40T	455
52, 54	455
114C	455
500P	455

PATTERSON  
(Patterson Radio Co.)

Model	kc
PR-10	432.5
PR-15	465
PR-16, PR-16-C, PR-16-CK, PR-16-CKP	458
PR-16-CTS, PR-16-CTS-C	458
PR-16-K, PR-16-KP	458
R-16	458
2-128	465

(Cont'd)

PATTERSON—(Cont'd)

Model	kc
2-129	465
2-169	465
60 series	465
65-AW, 65-SW	262.5
70-AW	262.5
74-AW, 75-AW	458
75-AWA	458
77B, 77BA	465
80-AW	262.5
84-AW, 85-AW	458
85-AWA	458
86-AW	458
87, 87A	465
88, 89, 90	465
104-AW, 105-AW	432
106-AW	458
107, 107A	465
107-AW	262.5
108, 109	465
110, 111	465
126AW	458
127, 127A	465
128, 129, 130	465
168	465
175-AW, 175-AWA	458
185-AW, 185-AWA	458
186-AW	458
198	465
207-AW	262.5
208	465
210-AW	262.5
212	465
268	465
275-AW, 275-AWA	458
285-AW, 285-AWA	458
286-AW	458
298	465
308, 312	465
375-AW, 375-AWA	458
385-AW, 385-AWA	458
386-AW	458
408, 412	465
507-AW	262
508-AW, 510-AW	262.5
1105-AW	435
1106-AW	458
1126-AW	458
2105-AW	435
2106-AW (10 tubes)	458
2106-AW (12 tubes)	458
2126-AW	458
3105-AW	435
3106-AW	458
3126-AW	458
4105-W	435

PETER PAN

(Peter Pan Radio Mfg. Co.)

Model	kc
4-S	465
6	260
25-AV, 25-UV	255
45-37	465
56	465
58 (auto radio)	465
77	465
77-A	465
88	465
555	465

TRAV-LER—(Cont'd)

Model	kc
112, 115	456
131, 131 (Late)	456
135M, 136, 137, 138	456
149M	456
163, 173, 179, 250	456
315, 315SW, 325	456
336, 415, 425, 425M	456
426, 426M, 431	456
431SW, 436M, 437M	456
455, 455L, 455LN	456
465, 465M, 466	456
466M, 500 505	456
511, 511A, 512	456
522, 525, 526, 527	456
530, 536M, 536MC	456
538M, 538MC	456
539M	456
539M (Late)	456
542 (auto radio)	456
549, 550	456
551B	456
552B	456
553, 553B, 553BT	456
554, 554BT	456
555, 555BT	456
556, 556B	456
556BT, 560B, 570B	456
570BC, 575B	456
576, 576B, 590	456
600	456
601 (auto radio)	262.5
610 (auto radio)	456
616	456
620, 621, 622, 623	456
626, 627, 630	456
633, 634, 635	456
635M, 636, 636M	456
642 (auto radio)	456
645, 645E, 650	456
660 (auto radio)	262.5
679, 680, 701	456
710, 711 (auto radio)	456
716, 720, 730, 733	456
770 (auto radio)	262.5
801, 830	456
1555, 1555BT	456
1556, 1556B, 1556BT	456
5270, 6300	456

TROPIC-AIRE

Model	kc
06W	262

TROY  
(Troy Radio & Telev. Co.)

Model	kc
C-170-PC	465
M51, M61	465
M72AC-DC	465
M516	465
M626	465
P51	465
P626	465
X72	465
TR5A, TR50, TR51B	465
TR53, TR-53CH, TR-55	465
TR57, TR57PC, TR57SW	465
TR63, TR63B	465
TR66, TR67, TR67SW	465
TR-68 (auto radio)	465
TR74B, TR75CH, TR75PC	465
TR77, TR79, TR84, TR86	465
TR95, TR100, TR151	465
TR-153 (AC-DC)	465
TR-163, TR-179, TR-184	465
TR711	465
4, 5L5, 5U5	465
15, 15-5	465
40, 42, 45, 45M, 46	465
51B5	465
52, 53CH	465
54	465
55, 55CC	465
56	175
57, 57B, 57PC, 57PC-CC	465
58, 58PC, 59PC	465
62BC, 62BU, 62C	465
62-L, 62PC, 62U	465
65, 67, 67-SW	465
68 (auto radio), 69B	465
74, 74B	465
75, 75B, 75C, 75CH, 75PC	465
77, 77C, 79	465
79-6110	465
79PC	465
82C, 84, 84-C, 84PC, 84U	465
85	465
86, 87 (auto radios), 95, 95PC, 100	465
113	465
151-5, 153, 157PC	465
162, 162C, 162U	465
170	465
C170	465
175, 179	465
557	460
825	465

TRUETONE—(Cont'd)

Model	kc
D694, D695	456
D697, D698	456
D699 (Series 147E)	456
D699 (Series 840)	465
D707	456
D700, D701	456
D702, D703	456
D704 (Series U62C)	470
D705 (Series A12)	456
D705WG (Series A12)	456
D706	465
D707	456
D708	456
D709	175
D709 (Series 6D)	456
D710, D711	456
D711-D930 (Series 209)	456
D712 (D. R. C.)	456
D712 (Series 193)	456
D712M	456
D713 (Series 6B)	456
D714	465
D714M	456
D715 (D. R. T.)	456
D715 (Series 205)	456
D716 (Series 7A)	456
D717	465
D718, D719, D720	456
D721 (Series 206)	456
D722	456
D723	465
D724, D725, D726	456
D727, D728	456
D731 (Series 606)	470
D731 (1935)	465
D731-5	470
D732, D734 (auto radio)	465
D735, D736	175
D737, D737C, D739	175
D740	175
D741, D742	175
D743 (Series 661) (auto radio)	465
D743 (Series 1312)	177.5
D744 (1936)	465
D744 (auto radio)	262.5
D745 (auto radio)	175
D746 (Series 577) (auto radio)	465
D747 (Series 677) (auto radio)	465
D900 (Series 215)	456
D901 (Series 210)	456
D910, D920	465
D920 (Series B)	465
D921, D929	465
D930	456
D941, D976	465
D978, D1001	465
D1040, DE3000	465
O6W	262
OF	456
S709 (1935)	175
S710, S712	456
S716, S717	175
S719	262
S720, S721	175
S721 (1936)	456
S725, S726, S727	456
S740	175
S743	177.5
5Z	456
6D	175
6F, 6G	456
6L	175
6P	456
6R, 6S	175
6U	262.5

TREBOR  
(Trebor Radio Co.)

Model	kc
T53, T54	455
T60	455
T81, T85	455

TRIANGLE ELECTRIC CO.  
(Imperial)

Model	kc
6P, Imperial	465

TRUETONE  
(Western Auto Supply Co.)

Model	kc
D689 (Series 9A14)	456
D690 (Series 192)	456
D691	456
D692 (Series 155)	385
D692 (Series 164)	456

(Cont'd)

(Cont'd)

PILOT—(Cont'd)

Model	kc
†105	456
108, 109	456
114	456
115	456
123, 125	456
148	456
*149	175
*153, 155	456
*183, 185	456
193, 195	456
*203, 205	456
*213	456
*215	456
223, 225	456
*243	456
253, 255	456
268, 269, 284	456
290 Series	456
*293	456
294, 295	456
*298	456
300	456
*304	456
305	456
360 Series	456
364, 365 (Sold in Europe only)	456
390, 393	456
†393	456
395	456
400 Series	456
*403	456
405	456
420 Series	456
423, 425	456
605	175
620 Series	456
623, 623J	456
625, 625J	456
1010	115
2108, 2109	456
2203, 2205	456
2250 Series	456
2253, 2255	456

See also corresponding listings under:

- \* Letter "C" models, such as C-63, C-114, etc.
- † Letter "P" models, such as P-63, P-393, etc.
- ‡ Letter "X" models, such as X-41, X-63, etc.
- § Letter "Y" models, such as Y-41, Y-43, etc.

PIONEER  
(See Radolek)

PLAZA MUSIC CO.

Model	kc
6 tube Super	175
7 tube Super	175
549	456
711	175

PLYMOUTH—Philco Receivers  
(Plymouth, Division of Chrysler Corp.)

(See Plymouth receiver listings under Philco)

PONTIAC MOTOR CO.  
(See United Motors Service)

PORT-O-MATIC  
(Port-O-Matic Corp.)

(Fidel-O-Matic, Port-O-Matic Successors to Lehman Radio Salon, Inc.)

Model	kc
8P (Port-O-Matic)	465
10, 12 Series 1935 (Port-O-Matic)	175
10, 12 Series 1936 (Port-O-Matic)	470
18 (Port-O-Matic)	465
80 (Port-O-Matic)	465
100, 101 (Port-O-Matic)	465
110 (Port-O-Matic)	465
110 (European Model) (Port-O-Matic)	465
112 (Port-O-Matic)	465
112 (European Model) (Port-O-Matic)	465
210, 212 (Port-O-Matic)	465
250 (European Model) (Port-O-Matic)	465
Series 500 (1936) (Fidel-O-Matic)	456
Series 600 (1937) (Fidel-O-Matic)	456
600 (Port-O-Matic)	465
Chassis P-8	456
P2LW	456

POSTAL

Model	kc
T	175

PRECISION

Model	kc
6 Tube A-W	465
8 Tube A-W	465
511	465
644, 645	465
845	465

PREMIER

Model	kc
Auto Pal	175

PRO

(See Hammarlund)

RADIETTE

(See Keller-Fuller)

RADIOBAR

(Radiobar Co. of America)

(See also listings under Philco)

Model	kc
1-116 (Philco 38-116 set)	470
2-1 (Philco 38-1 set)	470
3-3 (Philco 38-3 set)	470
4-4 (Philco 38-4 set)	470
5-9 (Philco 38-9 set)	470
6-9 (Philco 38-9 set)	470
12TP (Philco 39-12T set)	470
19PA (Philco 39-19F set)	470
19PCS (Philco 39-19F set)	470
19PF (Philco 39-19F set)	470
19TP (Philco 39-19T set)	470
30PCX (Philco 39-30X set)	470
40PCX (Philco 39-40 set)	470
40-10 (Philco 38-10 set)	470
50-9 (Philco 38-9 set)	470

(Cont'd)

RADIOBAR—(Cont'd)

Model	kc
60-7 (Philco 38-7 set)	470
105	465
106	262.5
107 (Philco 37-84 set)	470
116PCX (Philco 39-116 set)	470
210, 210B, 210C	262
504 (Philco 37-60 set)	470
504 (Philco 37-61 set)	470
504 (Philco 37-610 set)	470
504 (Philco 37-620 set)	470
504 (Philco 37-640 set)	470
505	175
506	262.5
507 (Philco 37-610 set)	470
507 (Philco 37-620 set)	470
507 (Philco 37-640 set)	470
507 (Philco 37-650 set)	470
507 (Philco 37-660 set)	470
508	262
508, No. 1	262
508, No. 3	262.5
510	262
510, No. 4	262.5
510, No. 5	262.5
510 (Philco 37-610 set)	470
510 (Philco 37-620 set)	470
510 (Philco 37-640 set)	470
510 (Philco 37-650 set)	470
510 (Philco 37-660 set)	470
510 (Philco 37-670 set)	470
515 (Philco 37-610 set)	470
515 (Philco 37-620 set)	470
515 (Philco 37-640 set)	470
515 (Philco 37-650 set)	470
515 (Philco 37-660 set)	470
515 (Philco 37-670 set)	470
526	262
528	262
528, No. 1	262
528, No. 3	262.5
528 (Philco 37-610 set)	470
528 (Philco 37-620 set)	470
528 (Philco 37-640 set)	470
528 (Philco 37-650 set)	470
528 (Philco 37-660 set)	470
528 (Philco 37-670 set)	470
536 (Philco 37-610 set)	470
536 (Philco 37-620 set)	470
536 (Philco 37-640 set)	470
536 (Philco 37-650 set)	470
536 (Philco 37-660 set)	470
536 (Philco 37-670 set)	470
550 (Philco 37-670 set)	470
550 (Philco 37-PC670 set)	470
550 (Philco 37-PC675 set)	470

RADIO CHASSIS INC.

Model	kc
Auto	175
A-5-D, A-6-D	175
AC-36	175
AL-33	456
L-5-D	456
L-6-D	115
L-6-W	125
LSA-36, LSA-37	175
QAC-36	175
SB-37, SL-853	456
V-6	175
2, 5	175

37-38-39  
5675



Some comparisons

CHANTICLEER

1938-39

MALLOY 1948	SYLVANIA 1937	INCA.
	75 sterling <sup>(7)</sup> 6A7, 6D6, 6G5, 42, 75, 80, 10-100 BALAST	450, 550 <sup>(5-7T)</sup> 2 1/2V.
	570 <sup>(5)</sup> 6A7, 6D6, 42, 75, 80	570 (4-5T)
	570(10) <sup>(5)</sup> 6A7, 6B7, 6D6, 25Z5 <sup>43</sup>	660, 670
	650 <sup>(6)</sup> 57, 52; 6A7, 2-6D6, 42, 75, 80	750 (7-9T)
	672 <sup>(6)</sup> 6A8, 6F5, 6F6, 6H6, 6K7, 80	950, 1050, 1150 (8-12T.) 2 1/2V & 6V FIL.

EL REY

4 TUBE MIDGET 5-17 58, 57, 42, 80	A <sup>6T</sup> 42, 75, 80, 6A7, 2-6D6	
7 TUBE A.W. 55 56, 57, 58, 2A5, 80	C <sub>15</sub> <sup>(5T)</sup> 42, 75, 80, 6A7, 6D6 7T.AW ← SAME TUBES ←	
10, 15 <sup>(4T)</sup> 58, 57, 42, 80	10, 15 <sup>4T</sup> SAME TUBES ←	
20 <sup>(6T)</sup> 57, 58, 59, 53, 56, 80	20 <sup>(6T)</sup> SAME TUBES ←	
644 <sup>(6T)</sup> 6A7, 2-6D6, 75, 42, 80	644	644
845	845 <sup>(5T)</sup> 2-2A5, 523, 55, 56, 57, 2-58	845 <sup>7T</sup>
	40 <sup>(6T)</sup> 42, 2-56, 57, 58, 80	
	CARSET <sup>(5T)</sup> 30, 39/14, 41	

DES. H.P. BORDEN  
APPN. L.I.F.

PETER PAN

B 2-57, 42, 80	4 6D6, 42, 76, 80	4, 24 2 1/2V FIL
4, 45 6D6, 6C6, 42, 80	4 6C6, 6D6, 42, 80 ← SAME	14, 35 2 1/2V FIL
4 WITH TONG 2-57, 42, 80		
25AV, 25AV, 58, 57, 55, 42, 80		
34 6C6, 76, 42, 80	45N ← SAME	34, 45 C-62
45 6A7, 78, 75, 42, 80		36 2 1/2 FIL
56 6B7, 6K7, 6C6, 76, 42, 80	56 6A7, 6C5, 6D6, 42, 75, 80	55, 36B 2 1/2 FIL
	77 6A7, 6C5, 6D6, 6B5, 42, 75, 80	64, 4, 34 late, 45 late XFORMER C-79
	88 6A8, 6F6, 6G5, 6H6, 2-6K7, 524	56, 36 late
	555 523, 6A8, 6F5, 6F6, 6K7	4537, 45a G-61
		77, 77a G-65
		5M AUTO



**Phelps Dodge Copper Products Corporation**

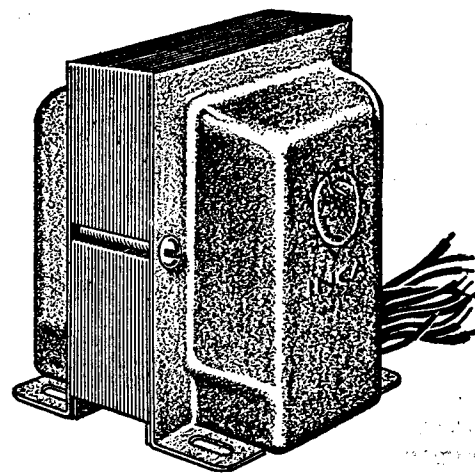
*Inca Manufacturing Division*



## RADIO TRANSFORMERS

### *For Radio Service and Repair*

The INCA transformers described in this bulletin represent several years of experience in the development of replacement units. No effort has been made to exactly duplicate the original transformers, but a wide enough range of electrical and mechanical types has been provided to supply a transformer which may be readily adjusted to almost every A.C. set. The transformers are liberally constructed, mechanically sturdy, well insulated, and are beautifully finished. All units are vacuum-treated for protection against atmospheric action. Covers and other mechanical parts are protected against corrosion by electro-plating or by a baked enamel finish. All power transformers have an electrostatic shield between primary and secondary which is grounded to the core and to the case.



Case V

## INCA RADIO POWER TRANSFORMERS

Type No.	Pri. Volts	Sec. Volts	Sec. Amps.	Tubes Used	Case No.	Dimensions			Shipping Weight Lbs.	Code Word	List Price
						H.	W.	D.			
C-31	115	660 C.T. 5 2½ C.T.	.040 2.0 4.0	1-47, 2A5, etc. 1-80 2-58, 57	II	2¼"	2⅝"	2¼"	2	Creck	\$2.00
C-32	Same as C-31 except for case				V	2¼"	2⅝"	2¼"	2¼	Creel	2.25
C-61	115	660 C.T. 5 6.3 C.T.	.040 2.0 1.6	1-42, 41 1-80 2-78, 77, 6C6	II	2⅝"	2⅝"	2¼"	2	Crept	2.00
C-62	Same as C-61 except for case				V	2¼"	2⅝"	2⅝"	2¼	Cress	2.25
C-37	115	660 C.T. 5 C.T. 2½ C.T.	.050 2 5	1-47, 2A5, 59 1-80 3-57, 58	V	2¼"	2⅝"	3¼"	2½	Cadge	2.40
C-69	115	660 C.T. 5 6.3 C.T.	.050 2 1.6	1-42, 41 1-80 3-77, 78	V	2¼"	2⅝"	3¼"	2½	Cover	2.40
C-2	115	700 C.T. 5 2½ C.T.	.050 2.0 5.0	1-47, 2A5, 59 1-80 3-58, 57, 2A7	II	3⅝"	3¼"	3"	2¼	Crest	2.40
C-21	Same as C-2 except for case				V	3¼"	3⅝"	2¾"	2¼	Crick	2.65
C-63	115	700 C.T. 5 6.3 C.T.	.050 2.0 2.0	1-42, 41 1-80 3-77, 78, 6C6	V	3⅝"	3⅝"	2¾"	2¼	Cried	2.65
C-4	115	700 C.T. 5 C.T. 2½ C.T.	.060 3.0 7.0	1-47, 2A5, 59 1-80, 82 5-57, 58	II	3⅝"	3¼"	3⅝"	3¼	Crier	3.00
C-23	Same as C-4 except for case				V	3¼"	3⅝"	3"	3¼	Crime	3.30
C-64	115	700 C.T. 5.0 6.3 C.T.	.060 3.0 2.2	1-42, 41 5-77, 78, 6C6 1-80, 5Z3	V	3¼"	3⅝"	3"	3¼	Crown	3.30
C-33	115	700 C.T. 5 2½ C.T. 2½	.085 3.0 3.5 7.5	2-45, 47, 2A5 1-80, 83, 5Z3 5-58, 57, 2A7	II	3⅝"	3½"	3⅝"	4¼	Crimp	3.50
C-34	Same as C-33 except for case				V	3¼"	3⅝"	3½"	4¼	Crisp	3.75



**Phelps Dodge Copper Products Corporation**

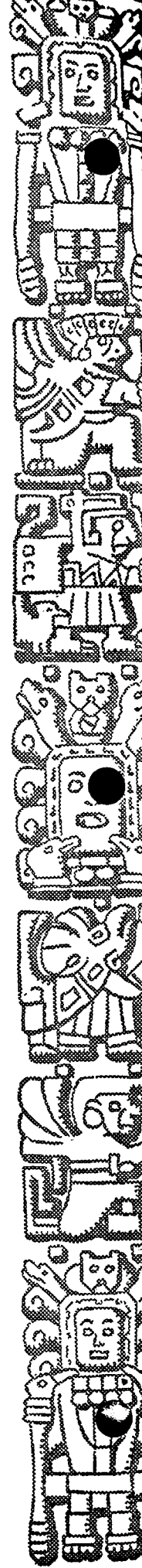
Inca Manufacturing Division



**INCA RADIO POWER TRANSFORMERS—Continued**

Type No.	Pri. Volts	Sec. Volts	Sec. Amps.	Tubes Used	Case No.	Dimensions			Shipping Weight Lbs.	Code Word	List Price
						H.	W.	D.			
C-65	115	700 C.T. 5 6.3 C.T.	.085 3.0 3.0	2-42, 41 1-80, 5Z3 5-77, 78, 6C6	V	3½"	3½"	3½"	4½	Croak	\$3.75
C-6	110-125	750 C.T. 5 C.T. 2½ C.T. 2½	.125 3.0 5.0 9.0	2-45, 47, 2A3 1-80, 5Z3, 83 9-58, 57, 55	II	3½"	4½"	3½"	6½	Crock	4.25
C-25	Same as C-6 except for Case				V	4½"	3½"	3½"	6½	Croft	4.50
C-66	110-125	750 C.T. 5 C.T. 2½ C.T. 6.3 C.T.	.125 3.0 5.0 5.0	2-42, 41 or 2-45, 2A3 1-80, 82, 5Z3 9-77, 78, 6C6	V	4½"	3½"	3½"	6½	Crone	4.50
C-44	115	850-750 C.T. 5 C.T. 2½ C.T. 2½	.200 3.0 5.0 10.0	1-5Z3 or 83 4-2A3, 45 5-56, 57 etc.	V	4½"	4½"	3½"	9½	Couch	8.50
C-67	115	850-750c.t. 5 C.T. 2½ C.T. 6.3 C.T.	.200 3 7 5.7	3-42 or 45 1-5Z3 14-77, 78	V	4½"	4½"	3½"	9½	Cramp	8.50
C-8	110-125	750 C.T. 5 2.5 C.T. 2.5	.100 2.0 3.5 16.0	2-45, 47 1-80 9-27, 24, 35	II	4½"	3½"	3½"	7½	Crony	5.00
C-27	Same as C-8 except for Case				V	4½"	4"	3½"	7½	Cross	5.30
C-9	115	500 C.T. 5 2½ 5 C.T. 1½ C.T. 1½	.060 2.0 10.5 1.0 6.3 2.1	1-80 2-71, 112 2-27 and 6-26 or 6-27	V	4½"	3½"	3½"	4½	Croup	3.95
C-19	115	750 C.T. 5 2½ C.T. 2½ 1½ C.T. 1½	.085 2.0 3.5 3.5 2.1 6.3	1-80 2-45 2-27 or 24 6-26	V	4½"	3½"	3½"	5½	Crowd	4.50
C-29	115	750 C.T. 5 2½ C.T. 2½ C.T. 1½ C.T. 1½ C.T.	.150 2.0 4.0 4.0 4.0 7.5	1-80 2-45 or 47 2-27 3-26 7-26	V	4½"	4½"	3½"	9½	Coast	7.60
C-50	6 D.C. Interrupter	400 C.T.	.040	Plate supply for auto set	II	3½"	3½"	3"	2	Crown	2.30
C-51	6 D.C. inter'pter	400 C.T.	.040	Plate supply—auto set	III	2-13/16"	2½"	2½"	2	Crust	2.30
J-9	115	1.5 C.T.	6	26's	I	2"	3½"	2½"	1	Jaunt	1.60
J-2	115	2½ C.T.	7	45, 2A5, 27, etc.	III	2-13/16"	2½"	2½"	1½	Jenny	2.20
J-18	115	6.3 C.T.	3.3	77, 78, 42, etc.	III	2-13/16"	2½"	2½"	1½	Jetty	2.20
J-30	115	1.1, 1.5, 2.0 2.5, 3.0, 5.0 5.3, 7.5, 12.5, 15, 25, 30		All tube filaments for tester	III	3½"	3½"	3"	3	Jones	3.50

All of the above transformers are for operation on 105-135 volts, 50-60 cycles. Any of them may be supplied for 220 volt operation or for 25 cycle, or both. For 220 volt, increase price 15%; for 25 cycle, 60%; and for 220 volt, 25 cycle, 60% and 15%.





**Phelps Dodge Copper Products Corporation**

Inca Manufacturing Division



# Replacement Guide Inca Power Transformers

Model	Inca No.	Model	Inca No.	Model	Inca No.
<b>A. C. Dayton Company</b>		<b>Brunswick-Balke-Collender Co.</b>		<b>Thomas A. Edison Company</b>	
Navigator	C-8	5KR, 5KRO, 2KRO, 3KRO, 5HO, 3KR6, 5KR6, PR178, R-1	6-9 C-6	R4, R5, C5 R6, R7	C-6 C-8
<b>Acme Electric &amp; Mfg. Company</b>		<b>Brunswick Radio Corporation</b>		<b>Electrical Research Lab. Inc. (Erla)</b>	
SG-88, AC-98	C-6	10-11 12, 16, 33, 18	C-33	224AC, 245, 224B, 225, 271, 271A, 30, 31, 32, AR3	C-6 C-4
AC-7	C-9	17, 24, 25AC	C-27	335	C-8
<b>Advance Elec. Company, Los Angeles</b>		<b>Capehart Corporation</b>		230	C-4
E	C-4	103, 104	C-66	81-P 82-P, 30, 61, 62, 63	C-34
77, 78, 79, B	C-34	<b>Chanticleer Radio Company</b> Los Angeles, Calif.		5700, 5721, 6300, 6315, 6317, 6323	C-23
<b>All-American Mohawk Corporation</b>		450	C-21	<b>El Rey Radio Mfg. Co. Los Angeles</b> (Little King) (El Rey)	
J, S-7, S-8	C-34	550	C-23	20	C-6
S-6	C-23	570	C-69	30	C-4
H, K, 96, D, S-80, SA91, SA110	C-6	660	C-63	10	C-2
90, SA10, SA90, S10	C-8	750	C-65	10 (late), 15	C-31
63 S63	C-4	850, 1050	C-66	25	C-23
SW8, S63, SA65, SW80	C-33	<b>Colonial Radio Corporation</b>		35, 30 (late)	C-34
S40, S50	C-2	31AC	C-9	<b>Fada Radio &amp; Elec. Corporation</b>	
<b>American Bosch Magneto Corporation</b>		32AC, 33AC, 34AC, 38AC, 36, 36P, 37, 37P, 47, 48	C-6	45, 51, 53, 57, 61, 66, 43, 25, 35, 35B 40AC, 42, 44, 46, 41, 47, 74, 76, 83, 88, 89	C-25 C-27
5	C-4	39 125, 46, 49	C-4	48, 49, 66, 78, 79	C-27
20, 45, 58	C-6	41, 44, 41P, 62, C595, C695	C-34	7AC, 50, 70, 10, 11, 30, 31, 16, 17, 32, 20	C-9
31	C-33	50	C-8	RG, 73, 85	C-34
2R 29	C-9	603, T345, C-399	C-64	NF	C-64
<b>Atwater-Kent Mfg. Company</b>		604	C-66	<b>General Electric Company</b>	
37, 38, 36, 43, 44, 45	C-9	650, 652, 653, 656, 658	C-63	H31, H51, H71	C-8
F, 559, 55, 55C, 60 60C, 70, 74, 76 72	C-25	51, 52	C-25	MA	C-34
L-1, L-2, P, 86, 86F, 92, 92F, 96, 96F, 85, 85F, 90, 90F, 94, 94F, 188, 188F, 228, 228F, 260, 260F, 469, 469F, 480, 567, 567F, 588, 627	C-6	55, 73, T397, C495	C-23	J-125	C-25
H-1, H-2, 87, 89, 89F, 89P, 99 24C	C-8 C-2	<b>Columbia Phonograph Company</b>		<b>General Household Utilities Co.</b> (Grunow)	
80, 80F, 83, 83F, 82, 82F, 84, 84F	C-33	C-1, C-2, C-4, 980	C-9	460, 4B	C-63
145, 325, 165, 185, 525, 185A	C-23	31, 33, 32, 32	C-33	650, 651, 6A, 660, 661, 662, 6C	C-64
206, 376, 788	C-34	C-80B, C800, C100	C-25	670, 671, 6D	C-65
944	C-21	<b>Crosley Radio Corporation</b>		750, 751, 752, 753, 7B	C-65
<b>Audiola Radio Company</b>		602, 104, 105, 106, 104R, 105R, 608, 609, 610, 704, 705, 706, 804, 32, 40, 41, 41A, 42	C-9	1151, 1152, 11A, 1101, 9B2A	C-67
30B, 7330, 8430, 31, 23S-8, 23S8Q, 6T, 6T31, 7T, 8T, 9T	C-6	30S, 31S, 33S, 34S, 40S, 41S, 42S, 45S, 77, 84, 120, 58, 77-1, 123, 124	C-6	901, 902, 9A	C-66
13S9, 32S11, 3431, 32S31	C-8	59AC, 122, 179, 7H2, 133	C-34	<b>General Motors Radio Corp.</b>	
13S6	C-4	121, 125, 127	C-8	8, 5077, 5080, A5003	C-9
4T32, 23T5	C-2	180, 124-1, 134, 134-1, 136-1	C-25	5091	C-19
889	C-9	181, 6V2, 48, 131, 135, 137 141	C-23	A, H500S, 120, 130, 140, 251	C-6
23S12	C-27	5M3, 5V1, 5H1	C-63	MA, 216, 217, 219, 250, 220, 110, 180, 190, 211	C-34
13T5, 23T5 SW	C-23	6H2	C-64	252, 253, 254, 255, 256, 257, 258	C-8
33S5, 34S5, 32S4	C-21	7H3, 8H1	C-65	292, 293	C-27
33S10 SW, 23S10, 23S12	C-25	127-1, 160	C-27	<b>Gilfillan Bros. Inc., Los Angeles</b>	
<b>Balkeit Radio Company</b>		157	C-66	60, 33	C-9
A	C-9	<b>Custom Built Radio Corporation</b>		100	C-6
F	C-6	Crown 5	C-6	25C, 25M, 32, 35, 41, 31, 24, 30 410, 4T	C-21 C-23
C	C-8	<b>Earl Radio Corp. (Freshman)</b>		5T	C-63
E, KP, L-7	C-34	G, K, K60S, M, 21, 22	C-9	510, 515	C-25
60, 70	C-63	31, 32	C-6	37, 27B, 42, 40	C-2
<b>Bremer-Tully Mfg. Company</b>		41	C-8	A, B, C, D, E	C-65
82	C-6	<b>Echophone Radio Corporation</b>		715	C-34
BT7-70	C-9	S-3, S-4, SF, 60, 80, 90, F	C-6	615, 6T	
<b>Browning Drake</b>		40	C-4		
34, 36, 38	C-9	119, 124, 143, 4, 44	C-21		
69, 70, 71, 80, 54	C-6	126, 5, 14, 12, 38	C-23		
20, 40	C-34	10, 15, 20, 16, 17, 18 50	C-23		
		90, 81	C-25		



**Phelps Dodge Copper Products Corporation**

*Inca Manufacturing Division*



**REPLACEMENT GUIDE INCA POWER TRANSFORMERS—(Cont.)**

Model	Inca No.	Model	Inca No.	Model	Inca No.
<b>Grigsby-Grunow Company (Majestic)</b>		<b>Patterson Radio Company</b>		<b>Sears-Roebuck &amp; Company</b>	
70-7, 70B	C-9	<b>Los Angeles, Calif.</b>		<b>(Silvertone)</b>	
90, 100, 21, 22, 23, 52, 30	C-6	74 AW, 70 AW, 507 AW, 64 AW,		1150, 1152, 1174, 1360, 1310, 1312,	
200, 290, 291, 293 294	C-25	60 AW, 506 AW	C-23	1330, 1320, 1322, 1324, 1390,	
60 160	C-8	84 AW, 80 AW, 508 AW, 510 AW,		1400, 1402, 1404, 1406	C-25
25, 35, 210	C-27	100 AW, 104 AW, PR10	C-25	4, 42, 1250, 1252, 1580, 1582, 1584,	
120	C-4	75 AW, 175 AW, 275 AW, 85 AW,		1590, 1592	C-34
55, 150, 330, 390	C-33	185 AW, 285 AW, 385 AW	C-66	46, 49, 1370, 1082, 1083, 7048	C-4
370	C-2	105 AW, 1105 AW, 2105 AW,		1430, 7043, 7044	C-8
570, 310A, 310B	C-34	3105 AW	C-67	49, 50, FF, J, R4433	C-9
<b>Hammarlund Mfg. Company, Inc.</b>		<b>Peter Pan Radio Company</b>		<b>Sparks-Withington Company</b>	
Comet Pro	C-27	<b>Los Angeles, Calif.</b>		<b>(Sparton)</b>	
<b>H. H. Horn Radio Company</b>		4, 24	C-31	5, 9	C-23
<b>Los Angeles, Calif. (Tiffany-Tone)</b>		14, 35	C-32	410, 420, AC55	C-9
15, 59, 79	C-6	55, 36B	C-21	10, 12, 14, 15, 56	C-33
99, 100, 101, 111, 102	C-8	36	C-23	16, 16AW, 18, 75A, 475A, 478A	C-6
324	C-4	64, 4 (late), 34 (late)	C-61	26AW	C-8
31, 25, 26, 27, 29	C-2	45 (late)	C-69	25, 26, 30, 45	C-27
24	C-32	56, 36 (late)		16 AWSW, 26 AWSW	J-2
66 (early), 58, 56A, 56C	C-23	<b>Philco Radio &amp; Telev. Corporation</b>		67, 68, 691	C-64
66 (late), 57	C-64	5AC, 82, 86, 20, 20A, 220, 220A	C-9	80, 83, 84, 85X, 86X	C-65
36, 36A, 36B, 55, 5A (early)	C-37	65, 76, 73, 77, 77A, 70, 70A	C-25	104	C-66
5A (late)	C-69	87	C-19	<b>Stewart-Warner Corporation</b>	
112	L-21	95, 96, 96A, 296, 296A, 211, 211A,		530, 535, 715, 720, 750, 801, 801A,	
44	C-62	111, 111A, 112, 112A, 212,		811, 811A	C-9
115	C-67	212A, 90, 90A, 470, 470A,		901, 902, 903, 911, 912, 913, 951,	
77, 99	C-34	490, 112F	C-27	952, 953, 961, 962, 963, R100A,	
<b>Jackson Bell Mfg. Company, Ltd.</b>		50, 50A, 51, 51A	C-34	R100B, R100E	C-6
<b>(Peter Pan) (Jackson Bell)</b>		59, 66, 80, 81	C-63	R-101-A, R-101-B, R104A, R104B,	
8, 59, 60	C-9	22L, 71, 29, 45, 144, 89, 19	C-64	R104E (1090 to 1099)	C-4
8 (late)	C-25	23X, 43, 71	C-65	102A, 102B, 102E	C-34
62, 63, 64, 26	C-33	15, 18, 118, 507, 15, 14, 91	C-66	R301A, R301B, R301E	J-2
79, 89, 23, 88, 68, 86, 96, 27, 28	C-6	200X	C-67	105	C-25
25, 50, 4, 25A, 25U	C-4	<b>R. C. A. Victor Company, Inc.</b>		R123 (1231 to 1239), R125, R125-	
212, 99, 29	C-8	17, 18, 50, 33, 60, 62	C-9	A, R125X (1251 to 1259),	
24	C-2	R78, 140, 141, 141-E, 240 340,		R127 (1271 to 1279)	C-63
<b>Kolster-Brandes</b>		340-E, 380, 380 HR, 42, R43,		R126 (1261 to 1269)	C-65
6S, 6K, 6R, 20, 22, 25, 27, 37, K21,		R90	C-25	<b>Story &amp; Clark Radio Corporation</b>	
K23, K42, B-10, B-15, B-16	C-9	44, 46, 47, 48, 66, Suprette, R-8,		36	C-25
K43, K44, K70, K72, K140, K142	C-6	R-12, R73, R75, R7A, R10,		<b>Stromberg-Carlson Tel. Mfg. Co.</b>	
K110, K120, K122	C-33	R71	C-6	641, 642, 652, 654, 10, 11	C-6
<b>Mission Bell Radio Mfg. Company</b>		RAE 79	C-27	25, 26, 37, 38, 39 40 41	C-25
<b>Los Angeles, California</b>		80, 82, 86, R11, R21, RO23	C-8	19, 20, 22, 29, 38, 39, 40	C-27
30, 35, 351, 352	C-32	R4, R6, R5, R5X, R71, R72	C-33	60	C-65
40	C-21	S. W. Adaptor, SWA-2	J-2	68	C-66
41, 3541	C-37	R-28-BW, R-28-BWC, 124, 221,		48, 49, 50, 51	C-44
43, 44	C-23	320, 321, R28, R37, R38,		<b>Temple Corporation</b>	
10, 11, 14	C-50	RE40	C-23	8-61, 8-81, 8-91, 8-60, 8-80, 8-90	C-8
11 (late), 14 (late), 16	C-51	118, 211, 128, 224	C-63	<b>Transformer Corp. of America</b>	
<b>Montgomery-Ward &amp; Company</b>		143, 242, 262, 341, 381	C-66	<b>(Clarion)</b>	
2822, 2827, 2895, 2897, 3035, 3037,		281	C-67	51, 53, 55, 70, 61, 360, 490, AC220	C-6
3065, 3067, 2955, 2957, 500, 10000,		<b>Remington Radio and Television Co.</b>		AC260, 25, 260	C-27
62-14, 62-11, 62-030, 62-232, 14-		<b>Los Angeles, California</b>		90 94, AC280, 25-280	C-25
000, 62000, 62-040, 62-181,		40, 50	C-21	80, 40, 84, 85, 120, 60, 100	C-34
51, 62-010, 62-7, 62-8, 62-8	C-6	270, 250, 150	C-23	160, 241, AC160, AC280	C-8
26W, 27W, 62-20, 1111, 811, 11-		280	C-34	200	J-2
000, 62-22	C-33	41	C-31	TC-20, TC-21	C-4
62-30, 62-21, 62-29, 11-12, 62-38,		4W, 43	C-32	TC-40	C-63
62-38X, 62-44, 62-44X, 62-50		156, 53, 145, 44, 44PA	C-63		C-64
62-50X, 17, 40A, 62-40, 62-1, 62-2	C-27	161	C-64	<b>Remler Company, Ltd.</b>	
1238, 1838, 62-34, 62-020, 51,		<b>Los Angeles, California</b>		1-4	C-64
62-9, 62-7, 62-8	C-25	40, 50	C-21	21-4	C-63
1355, 62-1, 62-2	C-8	270, 250, 150	C-23	10, 17	C-25
62-132, 62-137	C-66	280	C-34	19, 15, 11	C-34
62-140, 62-140X, 62-148, 62-148X	C-2	41	C-31	21	C-21
		4W, 43	C-32	21-3	C-23
		156, 53, 145, 44, 44PA	C-63		
		161	C-64		



**Phelps Dodge Copper Products Corporation**

*Inca Manufacturing Division*



**REPLACEMENT GUIDE INCA POWER TRANSFORMERS—(Cont.)**

Model	Inca No.	Model	Inca No.	REPLACEMENT TRANSFORMER		
<b>Troy Radio</b>		<b>Rudolph Wurlitzer Company</b>		<b>Part or Coil Number</b>	<b>Case II</b>	<b>Case V</b>
J-4	C-31	6AC, 80, 83, 84, 85, 86, 88	C-9	01463, 2311, 2510, 3110	C-31	C-32
40, 41, 14	C-32	450	C-4	2509, 2909, 2118		C-37
44, 52, 54	C-21	454	C-63	01144, 01954, 01504,		
42	C-62	470, 471	C-64	1073, 01362, 2904,		
84 (early)	C-25	480	C-65	2854, 2944, 0573,		
84 (late)	C-66			0673, 01464	C-2	C-21
55	C-23	<b>Zenith Radio Corporation</b>		0994, 01214, 01215, 0804,		
4	C-61	33, 34, 35, 35A, 342, 352, 352A,	C-9	0805, 012225, 01505,		
15	C-37	362	C-6	02500, 01374, 0995,		
5	C-69	2004, 2012, 2012S, 2021, 2022	C-6	02094, 02409, 02905,		
62	C-64	52, 53, 54, 55, 60, 61, 62, 64,, 67		03056, 02526, 01324	C-4	C-23
86	C-51	602, 613, 622, 642, 672, 71, 72,		02027, 02389, 0186, 0806,		
<b>U. S. Radio &amp; Telv. (Apex) (Clartone)</b>		73, 77, 91, 92, 2012, 2012S	C-8	01227, 01345, 02842,		
80, 81, 36, 37, 50, 60	C-9	2009C, LP, M601	C-4	02889, 0270, 1392,		
20, 24	C-2	210-5, 211-5, 270-5, 210, 220, 230,		0742	C-33	C-34
8	C-25	240, 245	C-34	0998, 01001, 1271, 0408,		
31, 41, 42, 46, 47, 48, 48A, 28, 29,		410, 411, 420, 250, 260, 272	C-25	0491, 0186, 01375,		
32, 160, 250, 90	C-6	805, 845, 806, 807, S847, 850	C-63	01935, 01595, 02031,		
26, 27	C-4	808, 809, 860, 861, 825, 827, 829,		01345, 01217, 0170,		
10, 1001, 1000	C-27	870	C-64	0171, 0270, 0748,		
99, 7	C-34	835, 880, 1001, 1001A	C-66	1317, 02559, 01344,		
5A, 3040, 3056, 506	C-23			01331, 01392, 0742	C-6	C-25
<b>Westinghouse Electric Supply Co.</b>		Where INCA Transformers have been used as original equipment (this includes a great majority of radio sets built on the Pacific Coast) many of the transformers have been supplied to the manufacturer identified only by the coil number or by the manufacturer's part number. In order that these transformers may be identified, we are supplying a check list in order that these coils may be connected with the corresponding unit in the jobber series.		0454, 0408, 0174, 0385,		
WR 23, WR 24	C-34			0193	C-8	C-27
WR 22, WR 27	C-4			01081, 02081, 01961,		
WR 28, WR 29	C-64			02799, 03361	L-2	L-21
/R 30	C-66			01655, 02645, 03145,		
<b>Westone Radio Mfg. Co., Los Angeles (Westone) (Jackson-Bell)</b>				03187	C-61	C-62
20	C-31			02769, 03369, 01968,		
30, 34	C-32			02990		C-69
40, DE5, DE4	C-21			01744, 03196, 2894		C-63
70	C-23			03375, 3250, 01560,		
20 (late), 20S, 22	C-61			02960, 02896		C-64
34 (late), 34S	C-69			02286, 03007, 03706		C-66
60	C-64			02611, 03693		C-67

**GUARANTEE**

We guarantee all goods listed in this bulletin to be free from all defects in material or workmanship. Any inoperative units returned to us prepaid within one year of the time sold will be inspected by us; and, if in our opinion have not been mistreated, will be repaired or replaced with an equivalent unit.

Inca Transformers listed in this bulletin may be purchased from:

**PACIFIC RADIO**  
*Exchange, Inc.*  
 729-731 So. Main St.  
 Los Angeles, Cal.

**OTHER PRODUCTS**

Other INCA products are described in the following bulletins:

- L-11—Transmitting and public address transformers.
- L-12—Type "T" high-fidelity audio transformers and power equipment for transmitting and public address.
- L-9 —"TA" and "TS" series high-fidelity midget remote amplifier transformers.
- NL-8 —INCA hook-up and fixture wire.
- L-2 —Door bell and signalling transformers.

**Phelps Dodge Copper Products Corporation**

**INCA MANUFACTURING DIVISION**

**Los Angeles Branch**

2375 East 27th Street

Los Angeles, California



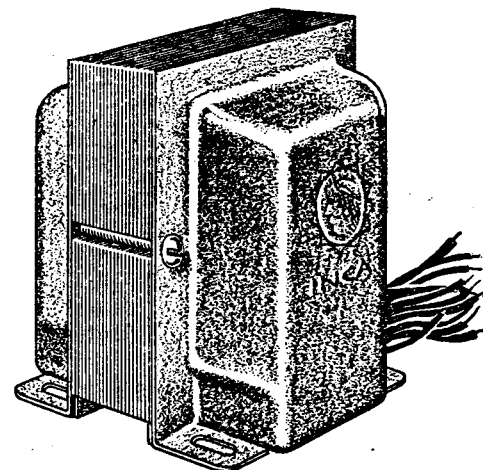


## INCA RADIO POWER TRANSFORMERS

After a study of the replacement situation in this territory Inca presents herewith a group of power transformers satisfactory for replacement in a great majority of all receivers now in the field. It has been found unnecessary to resort to expensive universal mountings since the low cost of Inca replacement units permits the jobber to stock all types, thus having transformers for practically every service job on his shelves and eliminating costly delays.

Inca transformers are standard in most of the receivers built on the Pacific Coast and thus are exact duplicate replacements for those sets. A guide showing the relation between the manufacturers coil or part number and the Inca transformer number will be found on page 23.

Service men, radio amateurs, public address engineers, and other users of radio power transformers will find these components to excell in every respect. They are compact, mechanically sturdy, liberal electrically, well insulated, and beautiful in appearance. A high grade of silicon steel is used in the core. All units are vacuum-impregnated in high-grade insulating varnish by a process developed by Inca engineers. Covers and other mechanical parts are protected against corrosion by electro-plating or by baked-enamel finish. Each transformer has an electro-static shield between primary and secondary which is grounded to the core and case.



Case V.

Type No.	Pri. Volts	Sec. Volts	Sec. Amps.	Tubes Used	Case No.	Dimensions			Shipping Weight Lbs.	Code Word	List Price
						H.	W.	D.			
C-31	115	660 C.T. 5 2½ C.T.	.040 2.0 4.0	1-47, 2A5, etc. 1-80 2-58, 57	II	2¾"	2¾"	2¾"	2	Creck	\$2.00
C-32	Same as C-31 except for case				V	2¾"	2¾"	2¾"	2½	Creel	2.25
C-61	115	660 C.T. 5 6.3 C.T.	.040 2.0 1.6	1-42, 41 1-80 2-78, 77, 6C6	II	2¾"	2¾"	2¾"	2	Crept	2.00
C-62	Same as C-61 except for case				V	2¾"	2¾"	2¾"	2½	Cress	2.25
C-2	115	700 C.T. 5 2½ C.T.	.050 2.0 5.0	1-47, 2A5, 59 1-80 3-58, 57, 2A7	II	3¾"	3¼"	3"	2¾	Crest	2.40
C-21	Same as C-2 except for case				V	3¾"	3¾"	2¾"	2¾	Crick	2.65
C-63	115	700 C.T. 5 6.3 C.T.	.050 2.0 2.0	1-42, 41 1-80 3-77, 78, 6C6	V	3¾"	3¾"	2¾"	2¾	Cried	2.65
C-4	115	700 C.T. 5 C.T. 2½ C.T.	.060 3.0 7.0	1-47, 2A5, 59 1-80, 82 5-57, 58	II	3¾"	3¼"	3¾"	3½	Crier	3.00
C-23	Same as C-4 except for case				V	3¾"	3¾"	3"	3½	Crime	3.30
C-64	115	700 C.T. 5.0 6.3 C.T.	.060 3.0 2.2	1-42, 41 1-80, 5Z3 5-77, 78, 6C6	V	3¾"	3¾"	3"	3½	Crown	3.30

All of the above transformers are for operation on 105-135 volts, 50-60 cycles. Any of them may be supplied for 220 volt operation or for 25 cycle, or both. For 220 volt, increase price 15%; for 25 cycle, 60%; and for 220 volt, 25 cycle, 60% and 15%.



## INCA RADIO POWER TRANSFORMERS—Continued

Type No.	Pri. Volts	Sec. Volts	Sec. Amps.	Tubes Used	Case No.	Dimensions			Shipping Weight Lbs.	Code Word	List Price
						H.	W.	D.			
C-33	115	700 C.T. 5 2½ C.T. 2½	.085 3.0 3.5 7.5	2-45, 47, 2A5 1-80, 83, 5Z3 5-58, 57, 2A7	II	3½"	3½"	3½"	4½	Crimp	3.50
C-34	Same as C-33 except for case				V	3½"	3½"	3½"	4½	Crisp	3.75
C-65	115	700 C.T. 5 6.3 C.T.	.085 3.0 3.0	2-42, 41 1-80, 5Z3 5-77, 78, 6C6	V	3½"	3½"	3½"	4½	Croak	\$3.75
C-6	110- 125	750 C.T. 5 C.T. 2½ C.T. 2½	.125 3.0 5.0 9.0	2-45, 47, 2A3 1-80, 5Z3, 83 9-58, 57, 55	II	3½"	4½"	3½"	6½	Crock	4.25
C-25	Same as C-6 except for Case				V	4½"	3½"	3½"	6½	Croft	4.50
C-66	110- 125	750 C.T. 5 C.T. 2½ C.T. 6.3 C.T.	.125 3.0 5.0 5.0	2-42, 41 or 2-45, 2A3 1-80, 82, 5Z3 9-77, 78, 6C6	V	4½"	3½"	3½"	6½	Crone	4.50
C-8	110-	750 C.T. 5 2.5 C.T. 2.5	.100 2.0 3.5 16.0	2-45, 47 1-80 9-27, 24, 35	II	4½"	3½"	3½"	7½	Crony	5.00
C-27	Same as C-8 except for Case				V				7½	Cross	5.30
C-9	115	500 C.T. 5 2½ 5 C.T. 1½ C.T. 1½	.060 2.0 10.5 1.0 6.3 2.1	1-80 2-71, 112 2-27 and 6-26 or 6-27	V	4½"	3½"	3½"	4½	Croup	3.95
C-19	115	750 C.T. 5 2½ C.T. 2½ 1½ C.T. 1½	.085 2.0 3.5 3.5 2.1 6.3	1-80 2-45 2-27 or 24 6-26	V	4½"	3½"	3½"	5½	Crowd	4.50
C-50	6 D.C. Interrupter	400 C.T.	.040	Plate supply for auto set	II	3½"	3½"	3"	2	Crown	2.30

All of the above transformers are for operation on 105-135 volts, 50-60 cycles. Any of them may be supplied for 220 volt operation or for 25 cycle, or both. For 220 volt, increase price 15%; for 25 cycle, 60%; and for 220 volt, 25 cycle, 60% and 15%.

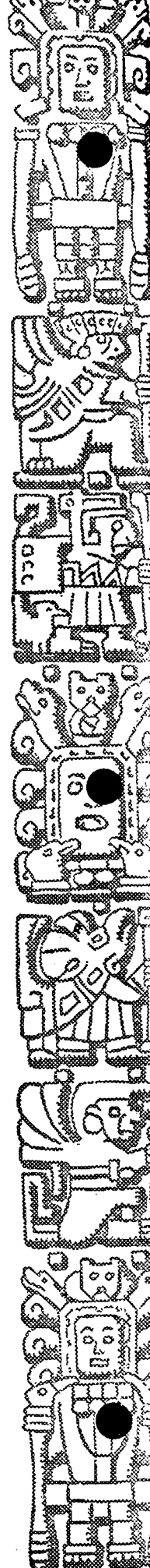
### INCA RADIO HOOKUP WIRE

**Type "C"**—This material is intended for high voltage circuits. It has a breakdown voltage of 10,000 and may be operated continuously at 2500 volts. Supplied in #18 solid or stranded tinned conductor and in red, black or yellow.

**Type "A"**—A very high grade of push-back wire used by manufacturers when wishing to pass the Underwriters Laboratories' inspection. Breakdown voltage 3500, maximum operating voltage 600. Supplied in 22, 20 or 18 solid or stranded tinned conductor. Colors — red, black, blue, brown, green, yellow, white.

**Type "B"**—A less expensive push-back wire which is satisfactory in circuits of not over 425 volts. Breakdown voltage, 1500. #18 solid tinned conductor in red and black and #20 and #22 solid tinned in red, black, blue, and green.

We will be glad to quote prices on the above material upon request.





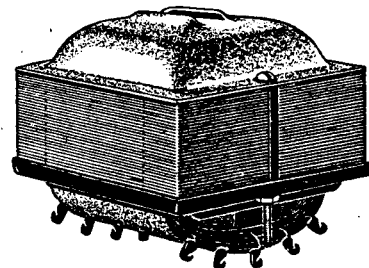


# REPLACEMENT GUIDE

## INCA POWER TRANSFORMERS

For the benefit of technicians Inca engineers have prepared a list of Inca power transformers suitable for replacement in the models of various radio manufacturers. It has been very difficult to make this list complete, owing to the fragmentary nature of the information available.

It will be noted that a comparatively small group of Inca transformers will service the great majority of all radio receivers. It is to be hoped that dealers and jobbers will stock these units for the elimination of delays to their customers. This small investment should result in a gratifying return in customer good will and in increased business.



Case II

**A. C. DAYTON CO.**

Model	Inca No.
Navigator	C-8

**ACME ELEC. & MFG. CO.**

SG-88	C-6
AC-7	C-9

**ADVANCE ELEC. CO. — L.A.**

E	C-4
77, 78, 79, B	C-34

**ALL-AMERICA — MOHAWK**

J, S-7, S-8, S-10	C-34
S-6	C-23
Pwr. packk.	C-9
H, K, 96, D	C-6
90	C-8
68	C-4

**AMERICAN BOSCH MAGNETO CORP.**

5	C-4
20, 48, 58	C-6
31	C-33
28, 29	C-9

**AMRAD CORP.**

7100	C-9
AC7	C-9
81	C-6

**ANDREA, INC., F.A.D.**

45, 51, 53, 57, 61, 66	C-25
48, 49	C-27
7AC, 50, 70, 10, 11, 30, 81, 16, 17, 32, 20	C-9
43, 25, 35, 35B, 40AC, 42, 44, 46, 41, 47	C-25

**ATWATER-KENT MFG. CO.**

37, 38	C-9
55, 55c, 60, 60c, F	C-25
L-1 - L-2 - P	C-6
86, 86F, 87, 89, 89F, 92, 92F, 96, 96F	
H-1, H-2	C-8
80, 80F, 83, 83F, 82, 82F, 85, 85F, 84, 84F, 90	C-33
90F, 94, 94F	

**AUDIOLA RADIO CO.**

30B, 7330, 8430, 31, 23S-8, 23S8Q, 6T, 6T-31,	C-6
7T, 8-T, 9-T	
13 S 9, 32-S11, 3431, 32831	C-8
13 S 6	C-4
4 T 32, 23 T 5	C-2
889	C-9

**BALDWIN CO., NATHANIEL**

Model	Inca No.
80	C-6

**BALKEIT RADIO CO.**

A	C-9
F	C-6
C	C-8

**BREMER - TULLY MFG. CO.**

31, 82	C-6
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**BROWNING - DRAKE**

34, 36, 38	C-9
69, 70, 71	C-6

**BRUNSWICK-BALKE-COLLENDER CO.**

5KR, 5KRO, 2KRO, 3KRO,	C-9
5HO, 3KR6, 5KR6, PR 178, R-1	
14, 21, 31, 15, 22, 32, 42	C-6

**BRUNSWICK RADIO CORP.**

10, 11, 12, 16, 33, 18	C-33
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**COLONIAL RADIO CORP.**

31 AC	C-9
32AC, 33AC, 34AC, 38AC, 36, 36P, 37, 37P,	C-6
47, 48	
39, 125, 46, 49	C-4
41, 41P, 44	C-34
50	C-8

**COLUMBIA PHONOGRAPH CO.**

C-1, C-2, C-4, 980	C-9
31, 33, 32, 34	C-33

**CROSLEY RADIO CORP.**

602, 104, 105, 106, 104R, 105R, 608, 609, 610,	C-9
704, 705, 706, 804, 32, 40, 41, 41A, 42	
30S, 31S, 33S, 34S, 40S, 41S, 42S, 45S, 77,	C-6
84, 120, 58, 77-1, 123, 124	
59AC, 122	C-34
121, 125, 127	C-8

**CUSTOM-BILT RADIO CO. - L.A.**

Crown 5	C-6
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**EARL RADIO CORP.**

(Freshman)	
G, K, K60S, M, 21, 22	C-9
31, 32	C-6
41	C-8



**ECHOPHONE RADIO MFG. CO. LTD.**

Model	Inca No.
S-3, S-4, S-5, F. 60, 80, 90	C-6
40	C-4

**EDISON, INC., THOMAS A.**

R4, R5, C5	C-6
R6, R7	C-8

**ELECTRICAL RESEARCH LABS. INC. (ERLA)**

224AC, 245, 224B, 225, 271, 271A, 30, 31, 32, AR3	C-6
385	C-4
280	C-8

**EL REY RADIO MFG. CO. (LITTLE KING) (EL REY) L.A.**

20	C-6
30	C-4
10	C-2
10 (late) 15	C-31
25	C-23
35, 30 (late)	C-34

**EMMERSON**

J. T. TS	C-4
KS	C-8

**FREED - EISMANN RADIO CORP.**

78, 79, 90S, FE38	C-6
9L	C-4
95	C-8

**GENERAL ELECTRIC CO.**

H31, H61, H71	C-8
MA	C-34
V-125	C-25

**GENERAL MOTORS RADIO CORP. (DAYFAN)**

8, 5077, 5080, A5003	C-9
5091	C-19
A, H500S, 120, 180, 140, 251	C-6
MA, 216, 217, 219, 250, 220	C-34
252, 258, 254, 255, 256, 257, 258	C-8

**GILFILIAN BROS. INC. — L.A.**

60, 33	C-9
100	C-6
25C, 25M, 32, 35, 41, 31, 24, 30	C-21
37, 27B, 42, 40	C-25
A, B, C, D, E	C-2

**GRAYBAR (SEE RCA)**

**GREBE & CO., INC., A.H.**

AC6, AC7	C-9
SK4, AH1, HS4	C-6

**GRIGSBY-GRUNOW CO. (MAJESTIC)**

70-7, 70B	C-9
180	B-6
90, 100, 21, 22, 23, 52, 30	C-6
200, 290, 291, 293, 294	C-25
60, 160	C-8
25, 35, 210	C-27
120	C-4
55, 150	C-33

**HAMMARLUND-ROBERTS, INC.**

Comet Pro	C-27
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**HORN, H.H. RADIO MFG. CO. (TIFFANY-TONE) L.A.**

15, 59, 79	C-6
99, 100, 101, 111, 102	C-8
324	C-4
31, 25, 26, 27, 29	C-2
24	C-32
57	C-64
58, 56A, 56C	C-23

**JACKSON BELL MFG. CO. LTD. - L.A. (PETER PAN) (JACKSON-BELL)**

Model	Inca No.
8, 59, 60	C-9
8 late model with 45 output	C-25
62, 26, 27	C-33
79, 89, 28, 88, 68	C-6
25, 50, 4	C-4
212, 99	C-8

**KELLOGG SWITCHBOARD & SUPPLY CO.**

524, 525	B-6
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**KENNEDY CORP., COLIN B.**

10, 20, 30, 32, 56	C-6
60, 80	C-9
26, 42	C-25
53, 54A	J-2
50	C-4
52, 56	C-33
62	C-8

**KOLSTER - BRANDES**

6S, 6K, 6R, 20, 22, 25, 27, 37	C-9
K21, K23, K42, B10, B15, B16	
K43, K44, K70, K72	C-6

**MISSION BELL RADIO MFG. CO., L.A.**

40	C-21
30	C-32
10, 11, 14 (auto sets)	C-50

**MONTGOMERY WARD & CO.**

2822, 2827, 2895, 2897, 3035, 3037, 3065, 3067,	C-6
2955, 2957, 500, 10000, 62-14, 62-11, 62-030,	
62-232, 14000, 62000, 62, 040, 62-181, 51, 62-	
010, 62-7, 62-8, 62-9	
26W - 27W, 62-20, 1111, 811, 11000	C-38
62-38, 62-38x, 62-44, 62-44x, 62-50, 62-50x,	C-27
17, 40-A	
1238, 1838, 62-34	C-25
62-1, 62-2, 1355	C-8

**PATTERSON RADIO CO., L.A.**

60 AW, 70 AW, 507 AW, 74 AW	C-23
80 AW, 508 AW, 510 AW, 100 AW, 84 AW,	C-25
104 AW, PR 10	

**PETER PAN RADIO CO., L.A.**

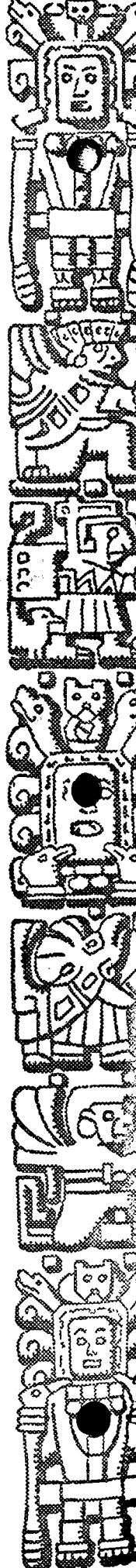
4, 24	C-31
14, 35	C-32
55, 36 B	C-21
36	C-23
64	C-61

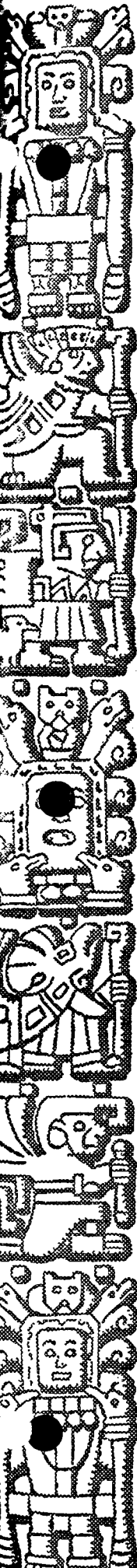
**PHILCO**

5AC, 82, 86, 20, 20A	C-9
65, 76, 73, 77, 77A, 70, 70A	C-25
22L, 71	C-64
23X, 43	C-65
15	C-66
87	C-19
95, 96, 96A, 296, 296A, 211, 211A, 111, 111A,	C-27
112, 112A, 212, 212A, 90, 90A, 470, 470A, 490,	
112A, 112F	
50, 50A, 51, 51A	C-34

**REMLER — SAN FRANCISCO**

17	C-6
11	C-4
10	C-33





**RCA VICTOR**

Model	Inca No.
17, 18, 50, 33, 60, 62	C-9
R-78	C-25
44, 46, 47, 48, 66, Superette, R8, R12, R7A, R10, R71	C-6
R-72	C-23
RAE 79	C-27
64, 67	B-6
80, 82, 86, R11, R21, R023	C-8
R4, R6, R5, R5X	C-38
S. W. Adaptor, SWA-2, R023	J-2

**ROYALE RADIO MFG. CO. - L.A.**

56, 4S	C-31
57	C-2
5S	C-21

**SEARS - ROEBUCK & CO.**

1150, 1152, 1174, 1360, 1310, 1312, 1380, 1320, 1322, 1324, 1390, 1400, 1402, 1404, 1406	C-25
4, 42, 1250, 1252	C-34
46, 49, 1870	C-4
1430	C-8

**SILVER-MARSHALL INC.**

724AC, 34A, 35A	C-27
B, 30, 60, 75, 90, 36A	C-34
37, 38, 39A, F, D, E	C-6
726SW, 726, G, J	C-8

**SPARKS-WITHINGTON CO. (SPARTON)**

5, 9	C-23
410, 420, AC55	C-9
10, 12, 14, 15, 56	C-33
18, 18AW, 18	C-6
26AW	C-8
25, 26, 30, 45	C-27
16 AWSW, 26 AWSW	J-2

**STEINITE RADIO CO.**

40A, 45A, 261, 262, 263, 264, 265, 412, 420	C-9
40G, 60C, 102C, 70, 80, 210, 230, 420, 450, 203, 600, 605, 630, 635, 642, 643, 700, 705, 706, 725, 642B	C-6
421, 425, 428, 700, 701	C-34

**STEWART-WARNER CORP.**

530, 535, 715, 720, 750, 801, 801A, 811, 811A	C-9
901, 902, 903, 911, 912, 913, 951, 952, 953, 961, 962, 963, R100A, R100B, R100E	C-6
R101A, R101B	C-4
102A, 102B, 102E	C-34
R301A, R301B, R301E	J-2

**STORY & CLARK RADIO CORP.**

36	C-25
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**STROMBERG-CARLSON**

641, 642, 652, 654, 10, 11	C-6
25, 26, 37	C-25
19, 20, 22, 29, 38, 39, 40	C-27

**TEMPLE CORP.**

8-61, 8-81, 8-91, 8-60, 8-80, 8-90	C-7
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**TRANSFORMER CORP. OF AMERICA (CLARION)**

51, 53, 55, 70, 61	C-6
AC260, 25, 260	C-27
90, 94, AC280, 25-280	C-25
80, 40, 34, 85, 120, 60, 100	C-34
160	C-8
200	J-2

**TROY RADIO MFG. CO. - L.A.**

Model	Inca No.
J-4	C-31
40	C-32
44, 52, 54	C-21
42	C-62
84	C-25
55	C-23

**U.S. RADIO & TELEVISION CORP. (APEX) (CLARITONE)**

80, 81, 36, 37, 50, 60	C-9
20	C-2
8	C-25
31, 41, 42, 46, 47, 48, 48A, 23, 29, 32	C-6
26, 27	C-4
10, 1001, 1000	C-27
99, 7	C-34

**WELLS-GARDNER & CO.**

C, CG	C-19
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**WESTONE RADIO MFG. CO. - L.A.**

20	C-31
30, 34	C-32
40, DE5, DE4	C-21
70	C-28

**WURLITZER CO., RUDOLPH**

6AC, 80, 83, 84, 85, 86, 88	C-9
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**ZENITH RADIO CORP.**

33, 34, 35, 35A, 342, 352, 352A, 362	C-9
2004, 2012, 2012S, 2021, 2022	C-6
34P, 342P, 342, 35P, 35AP, 37A, 352P, 352AP, 39, 39A, 40A, 392, 392A	B-6
52, 53, 54, 55, 60, 61, 62, 64, 67, 602, 613, 622, 642, 672, 71, 72, 73, 77, 91, 92 2012 2012J	C-8
2009C, LP	C-4

**REPLACEMENT GUIDE TO INCA POWER TRANSFORMERS**

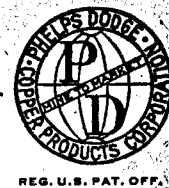
During the past few years INCA has supplied a great majority of all radio power transformers used on the Pacific Coast. Most of these units were supplied to the customers and were incorporated in their sets identified only by the manufacturers part number. In order that these units may be easily recognized and replaced we are supplying herewith a list of coil or part numbers and the corresponding unit in the present line which will act as a replacement. In using this list it is necessary to connect the coil number with both the transformer number and with the corresponding mounting number.

Part or Coil Number	Inca Transformers	
	Case II	Case V
01463, 02311, 02510	C-31	C-32
01144, 01954, 01504, 01073, 01362	C-2	C-21
0994, 01214, 01215, 0804, 0805, 01225, 01505, 02500, 01374, 0995, 02094, 02409	C-4	C-23
02027, 02389, 0186, 0193, 0806, 01227, 01345	C-33	C-34
0998, 01001, 01271, 0408, 0491, 0186, 0193, 01375, 01935, 01595, 02031, 01031, 01345, 01344, 01331, 01217	C-6	C-25
0454, 0408, 0174, 0385	C-8	C-27
01081, 02081	L-2	L-21
01655, 02645	C-61	C-62
01744		C-63
01560		C-64
02287		C-65
02286		C-66



PHELPS DODGE COPPER PRODUCTS CORPORATION

Inca Manufacturing Division



# INCA TRANSFORMERS

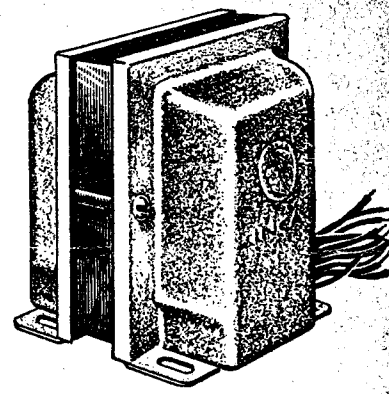
## For Replacement, Service, and Repair

INCA transformers listed in this bulletin are especially designed to give exceptional performance in the service laboratory. The features listed below, many of them exclusive with INCA, assure the service engineer of exceptional performance and long life.

**"Climatite" treatment:**—A new process of vacuum impregnation developed especially for the demands of high humidity, high temperature districts. INCA transformers have become almost universally specified in orders from the export field because of the freedom from failures under conditions of terrific moisture and heat. **Only INCA transformers have "Climatite" treatment.**

**Liberal Design:** — INCA transformers are liberally designed with maximum practical quantities of copper and steel. In spite of this fact, it has been possible to make INCA transformers smaller in many cases, because of careful distribution of windings and because of the high quality of the core material used. This is especially advantageous in midget receiver replacement.

**Beautiful Appearance:** — INCA engineers have spent a great deal of time on development of new types of cases and of finishes, both paint and electro-plate. The result, over a period of years, have been a series of transformers continually offering the most modern and attractive appearance.



Case V

Type No.	Pri. Volts	Sec. Amps.	Sec. Volts	Tubes Used	Case No.	Dimensions			Shipping Weight Lbs.	Code Word	List Price
						H.	W.	D.			
C-9	115	.060	500 C.T.	1-80 2-71, 112 2-27 and 6-26 or 6-27	V	4 1/8"	3 3/8"	3 1/2"	4 3/4	Croup	\$4.50
		2.0	5								
		10.5	2.5 C.T.								
		1.0	5 C.T.								
		6.3	1.5 C.T.								
2.1	1.5										
C-19	115	.085	750 C.T.	1-80 2-45 2-27 or 24 6-26	V	4 1/8"	3 3/8"	3 1/2"	5 1/2	Crowd	5.25
		2.0	5								
		3.5	2.5 C.T.								
		3.5	2.5								
		2.1	1.5 C.T.								
6.3	1.5										
C-29	115	.150	750 C.T.	1-80 2-45 2-27 or 24 4-26 7-26	V	4 1/8"	3 3/8"	4 1/4"	8 1/2	Auzcc	7.60
		2.0	5								
		4.0	2.5 C.T.								
		4.0	2.5 C.T.								
		4.0	1.5 C.T.								
7.5	1.5 C.T.										
C-28	115	.150	1100 C.T.	2-81 2-50 or 10 2-27 or 24 and 6-26 or 7-27	V	4 1/8"	3 3/8"	4 1/4"	8 1/2	Zehyb	9.25
		3.0	7.5 C.T.								
		3.0	7.5 C.T.								
		10.5	2.5 C.T.								
		6.3	1.5 C.T.								
C-50	6 D.C. Interrupter	.040	200	Plate supply for auto set	II	3 7/8"	3 1/4"	3"	2	Crown	2.30
C-49	6 D.C. Interrupter	.060	250	Plate supply for auto set	V	3 1/8"	2 3/4"	2 3/4"	3	Autek	3.00

All of the above transformers are for operation on 105-135 volts, 50-60 cycles. Any of them may be supplied for 220 volt operation or for 25 cycle, or both. For 220 volt, increase price 15%; for 25 cycle, 60%; and for 220 volt, 25 cycle, 60% and 15%.

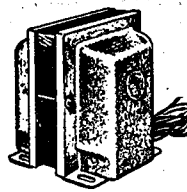
**Only Inca Transformers Have 'Climatite' Treatment!**



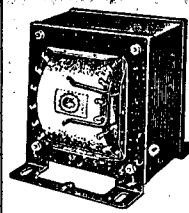
# Inca Replacement Power Transformers

An effort has been made, in producing the INCA replacement power transformer line, to make the line electrically as complete as possible without recourse to the expensive tools necessary to duplicate obsolete types of mountings. (INCA power transformers do, however, exactly duplicate most of the transformers used in sets built on the Pacific Coast in recent years since the original transformers were built in the INCA factory.) Concentration on a few standard types makes possible INCA'S low prices and enables jobbers and dealers to carry a more complete stock.

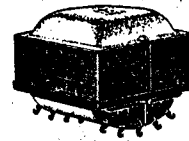
INCA power transformers are liberal in design and free from mechanical defects. All power transformers are supplied with a static shield which is grounded to the case and core.



CASE I



CASE III

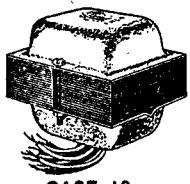


CASE II

**SINGLE 2½ VOLT FILAMENT** Shipping wt. lbs.

TUBES	Rating	Case I	Case III	Case II
<b>4 TUBES</b> 660 C.T. @ 40 m.a. 5 V. @ 2 A. for 80, 5Z4, 5Y4, 5W4. 2½ C.T. @ 4A. for 3-55, 57, 58, 56, 2A6, 2A7, 2B7, and 1-47, 45, 2A5.	2	C-32 CREEL H2¾" W2¾" D2¾"	C-11 ZEHRU H2¾" W2¾" D2¾"	C-31 CRECK H2¾" W2¾" D2¾"
<b>4 and 5 TUBES</b> 680 C.T. @ 50 m.a. 5 V. @ 2 A. for 80, 5Z4, 5Y4, 5W4. 2½ C.T. @ 5A. for 4-55, 56, 57, 58, 2A6, 2A7, 2B7 and 1-47, 45, 2A5.	2½	C-37 CADGE H3" W2½" D2¾"	C-15 ZEHSV H3" W2½" D2¾"	C-12 ZESEG H2¾" W2½" D3"
<b>5 to 7 TUBES</b> 700 C.T. @ 70 m.a. 5 C.T. @ 3 amp. for 80,82,83,5Z3,5Z4,5Y4,5W4 2½ C.T. @ 9 amp. for 5- 55, 56, 57, 58, 2A6, 2A7, 2B7 and 1- 45, 46, 59, 2A5, 47.	3¼	C-23 CRIME H3½" W3½" D2¾"	C-3 ZEIKM H3¾" W3½" D3¼"	C-4 CRIER H3½" W3½" D3½"
<b>8 to 12 TUBES</b> 700 C. T. @ 90 m.a. 5 C.T. @ 3A. for 80,82,83,5Z3,5Z4,5Y4,5W4,etc. 2½ C.T. @ 12½A. for 55, 56, 57, 58, 2A6, 2A7, 45, 47, 59, 2A5 etc.	4½	C-82 AUYYZ H3½" W3½" D3¼"		C-83 AUYZA H3¾" W3½" D3½"

**TWO 2½ VOLT FILAMENTS**

<b>5 to 8 TUBES</b> 700 C.T. @ 85 m.a. 5 V. @ 3 amp. for 80, 5Z3, 5Z4, 5Y4, 5W4. 2½ V. @ 9 amp. for 5- 55, 56, 57, 58, 2A6, 2A7, 2B5 or 4- 24, 27, 35. 2½ C.T. @ 3½ amp. for 2- 45, 46, 47, 59, 2A5	4¼	C-34a CRISP H3½" W3½" D3¼"		C-33a CRIMP H3¾" W3½" D3½"
<b>8 to 12 TUBES</b> 700 C.T. @ 110 m.a. 5 C.T. @ 3 amp. for 80, 5Z3, 83, 82, 5Z4, 5Y4. 2½ V. @ 12½ amp. for 9- 55, 56, 57, 58, 2A6, 2A7, 2B7 or 6- 24, 27, 35. 2 C.T. @ 3½ amp. for 2- 45, 46, 47, 59, 2A5	6	C-53a ZEHOS H4½" W3¾" D3½"	C-55a ZESFH H4½" W3¾" D3¾"	C-52a ZESBD H3¾" W3¾" D4½"
<b>8 to 12 TUBES</b> 750 C.T. @ 100 m.a. 5 V. @ 2 amp. for 80, 5Z4, 5Y4, 5W4. 2½ V. @ 16 amp. for 9- 24, 27, 35, 55, 56, 57, 58, 2A6, 2A7, 2B7. 2½ C.T. @ 3½ amp. for 2- 45, 46, 47, 59, 2A5	6½	C-27 CROSS H4" W3½" D4"		C-8 CRONY H3¾" W3¾" D4¾"

**SINGLE 6.3 VOLT FILAMENT**

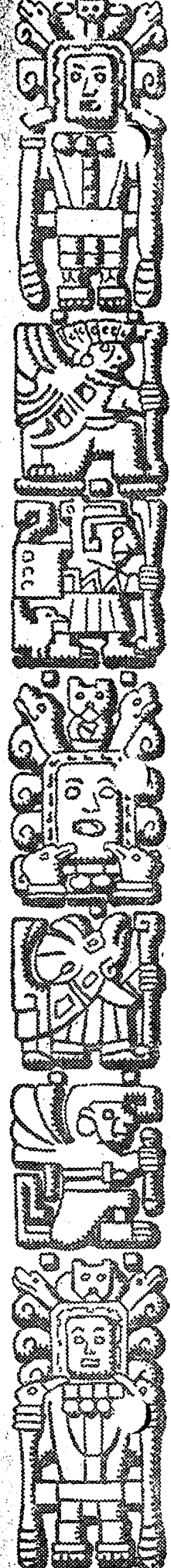
<b>4 TUBES</b> 660 C.T. @ 40 m.a. 5 V. @ 2 amp. for 80, 5Z4, 5Y4, 5W4. 6.3 C.T. @ 1.3 amp. for 3- 75, 76, 77, 78, 6C6, 6D6 etc. and 1- 42, 41, 6F6.	2	C-62 CRESS H2¾" W2½" D2¾"		C-61 CREPT H2¾" W2¾" D2¾"
<b>4 and 5 TUBES</b> 680 C.T. @ 50 m.a. 5 V. @ 2 amp. for 80, 5Z4, 5Y4, 5W4. 6.3 C.T. @ 1.6 amp. for 4- 75, 76, 77, 78, 6C6, 6D6 etc. and 1- 42, 41, 6F6.	2½	C-69 COVER H3" W2¾" D2¾"	C-79 ZESGI H2¾" W2¾" D3"	
<b>5 to 7 TUBES</b> 700 C.T. @ 75 m.a. 5 V. @ 2 amp. for 80, 5Z4, 5Y4, 5W4. 6.3 C.T. @ 2.5 amp. for 5- 75, 76, 77, 78, 6C6, 6D6 etc. and 1- 42, 41, 6F6.	3¼	C-64 ZEIBD H3½" W3½" D2¾"	C-74 ZEHUX H3½" W3½" D3½"	
<b>7 to 9 TUBES</b> 700 C.T. @ 85 m.a. 5 C.T. @ 3 amp. for 80, 5Z4, 5Z3, 5Y4, 5W4. 6.3 C.T. @ 3.5 amp. for 5- 75, 76, 77, 78, 6C6, 6D6 etc. and 2- 42, 41, 6F6.	4¼	C-65 CROAK H3½" W3½" D3¼"	C-75 ZEJHJ H3½" W3½" D3¾"	
<b>8 to 12 TUBES</b> 700 C.T. @ 120 m.a. 5 C.T. @ 3 amp. for 80,82,83,5Z4,5Z3,5Y4,5W4 6.3 C.T. @ 4.8 amp. for 75, 76, 77, 78, 6C6, 6D6, 6A8, 6J7, 6K7, 42, 6F6 etc.	7	C-84 AUZAA H4½" W3¾" D3½"	C-85 AUZBB H3¾" W3¾" D4½"	

**ONE 6.3 VOLT AND ONE 2.5 VOLT FILAMENT (see note)**

<b>8 to 12 TUBES</b> 750 C.T. @ 110 m.a. 5 C.T. @ 3 amp. for 5Z3, 80, 83, 5Z4, 5Y4, 5W4 6.3 C.T. @ 5 amp. for 9- 75, 76, 77, 78, 6C6, 6D6 etc. and 2- 42, 41, 6F6, 6A3, 6B4. 2½ C.T. @ 5 amp. for 2- 45, 2A5, 2A3.	6	C-77 ZEHVY H4½" W3¾" D3½"	C-76 ZESIK H4½" W3¾" D3¾"	
<b>10 to 15 TUBES</b> 1-750 C.T. @ 160 m.a. 5 C.T. @ 4 amp. for 5Z3, 80, 83, 5Z4, 5X4. 6.3 C.T. @ 5 amp. for 9- 75, 76, 77, 78, 6C6, 6D6 etc. and 3- 42, 41, 6F6, 6A3, 6B4. 2½ C.T. @ 5 amp. for 2- 45, 46, 2A5, 2A3.	7	C-78 ZEJDF H4½" W3¾" D4"	C-81 AUTEL H4½" W3¾" D3¾"	

Note:- When 2½ volt filament is used on C-77, C-76, C-78 and C-81 not more than 4. amp. should be drawn from the 6.3 volt filament.

**Only Inca Transformers Have 'Climatite' Treatment!**



# INCA AUDIO EQUIPMENT

INCA audio transformers have a deserved reputation for wide frequency range, mechanical strength, and long life. Now the use of "Climate" treatment assures absolute protection against failure due to moisture. Every effort is exerted in these designs to make INCA audios mechanically and electrically perfect. Years of experience in the design and construction of high fidelity broadcast transformers guarantee optimum performance from every angle.

## MICROPHONE AND LINE INPUT TRANSFORMERS

Double-button microphone (or 200 to 500 ohm line) to single or push-pull grids.

I-7	Case I-B	Code HADES	\$1.95
I-2	Case I-C	Code HAIRY	3.00
I-13	Case VI-A	Code HARDY	4.00

Single-button microphone (or 50 or 100 ohm line) to single grid.

I-32	Case I-A	Code HUGHY	\$1.75
I-1	Case I-B	Code HABIT	1.85

## SINGLE AUDIO TRANSFORMERS

From single general purpose tube (56, 76, 27, 55, 85, 6C5, 6J5, etc.) to a single grid. Ratio 3:1.

G-22 (Sec. C.T.)	Case I-A	Code GAMUT	\$1.50
G-1	Case I-B	Code GRASS	1.75
G-3 (Sec. C.T.)	Case I-C	Code GABLE	2.35
G-14 (Sec. C.T.)	Case VI-A	Code GUSTO	3.75

(Note: G-3 and G-14 also suitable where 3:1 p.p. input is needed.)

## PUSH-PULL INPUT TRANSFORMERS

From single general purpose tube (76, 56, 27, 55, 85, 6C5, 6J5, etc.) to push-pull Class A grids.

G-22 (Ratio 3:1)	Case I-A	Code GAMUT	\$1.50
G-2 (Ratio 3:1)	Case I-B	Code GRATE	1.85
G-5 (Ratio 2:1)	Case I-C	Code GAILY	2.50
G-16 (Ratio 2:1)	Case VI-A	Code GYPSY	4.00

From single driver tube (43, 45, 2A5, 6F6 triodes) to Class AB grids.

G-26	Case I-B	Code ZELSR	1.75
G-24	Case I-C	Code GROIN	3.00
G-18	Case VI-J	Code GREAT	4.50

From single driver tube (42, 45, 2A5, 46, 59, 6F6 triodes) to Class B grids.

L-42	Case I-A	Code LABAT	1.75
L-11	Case I-B	Code LODGE	1.75
L-3	Case I-C	Code LADLE	3.00
L-13	Case VI-A	Code LANCE	3.75

## PUSH-PULL INTERSTAGE TRANSFORMERS

From push-pull general purpose tubes (76, 56, 27, 01A, 26 6C5, 6J5 or single 6A6, 53, etc.) to push-pull Class A grids.

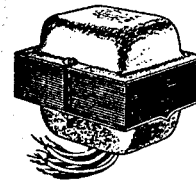
G-9	Case I-C	Code GRASP	2.75
C-17	Case VI-A	Code GYRAL	4.00

To Class AB grids.

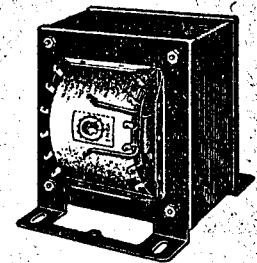
G-25	Case I-C	Code GRAVY	3.10
G-20	Case VI-J	Code GRAZE	4.50

To Class B grids.

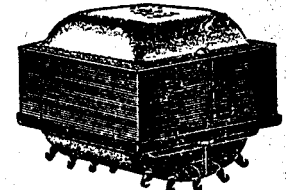
L-5	Case I-C	Code LAGER	3.10
L-15	Case VI-A	Code LOOTH	3.75



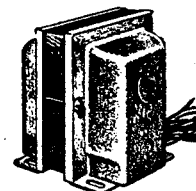
Case 12



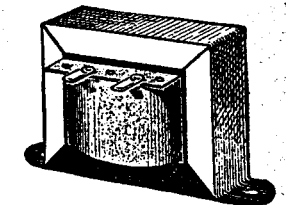
Case III



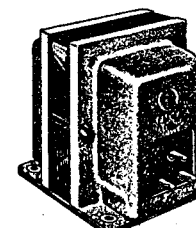
Case II



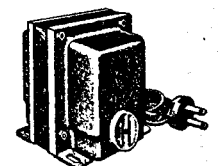
Case V



Case I



Case VI



Case X

Case	H	W	D	Wt.
I-A	1½"	1½"	2¾"	9 oz.
I-B	2¼"	2¼"	3½"	1 lb.
I-C	2½"	2½"	4"	1¾ lb.

Case	H	W	D	Wt.
VI-A	2¾"	2½"	2¼"	2 lb.
VI-B	3¾"	3¼"	3¼"	4 lb.
VI-C	4½"	3½"	4½"	6 lb.
VI-D	4¾"	3¾"	6"	10½ lb.
VI-J	3¼"	2¾"	3½"	2¾ lb.

Only Inca Transformers Have 'Climate' Treatment!

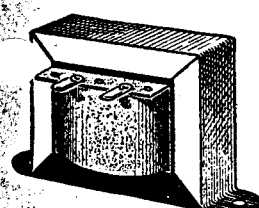
# INCA AUDIO EQUIPMENT—Continued

## COUPLING AND EQUALIZING REACTORS

For use in impedance coupling high-mu tubes (2A6, 75, 6C6, 57, etc.) to following single or push-pull tubes. May be used either as plate or grid choke.

- G-23 275 henries, 5 M.A., 4000 ohms  
Case I-A Code GRIST 1.50
- G-7 750 henries, 5 M.A., 8000 ohms  
Case I-C Code GAMIN 3.00
- G-18 1000 henries, 5 M.A., 12000 ohms  
Case VI-A Code GYRUS 4.25
- G-27 A choke of 2 henries @ 2 m.a., designed as an inductance for high-frequency equalizing circuits.  
Case I-A Code AUUEK \$2.25
- G-28 A choke of 160 henries @ 2 m.a., designed for low frequency equalizing circuits.  
Case I-A Code AUTJP \$2.75

## OUTPUT TRANSFORMERS



Case I

INCA replacement output transformers are supplied with tapped secondaries, enabling the customer to obtain a correct impedance match for any speaker or tube combination. A great improvement in both efficiency and in quality may be had by substituting F-46 or F-47 for the cheap, inefficient output transformers usually supplied with the speaker.

- F-2 Universal output. By proper connection will match any of the standard output tubes (71, 43, 45, 2A5, 59, 31, 33, 41, 42, etc.) either singly or in push-pull to magnetic speaker or to voice coil.  
Case I-B Code FLAKE 1.50
- F-41 Midget output transformer. Single 42, 41, 2A5, 47, 59 to tapped coil winding.  
Case I-B Code FEBER 1.05
- F-46 8000 ohms (p.p. 45, 42, 71A, 250, 46, 6F6 triodes) to 2½, 4, 6, 10 ohm voice coils.  
Case I-C Code ZHCZ 2.25
- F-47 10,000 ohms (p.p. 42, 47, 2A5, 6F6, pentodes, 6B5, 2B6 triodes) to 2½, 4, 6, 10 ohm voice coils.  
Case I-C Code ZEIMO 2.25

## FILTER CHOKES

- D-21 15 h. 30 M.A. 350 ohms Case I-A Code DIZEN .95
- D-1 20 h. 45 M.A. 600 ohms Case I-B Code DIZZY 1.15
- D-22 20 h. 85 M.A. 650 ohms Case I-C Code DODGE 1.85
- D-23 20 h. 85 M.A. 650 ohms Case VI-A Code DOGMA 2.50
- D-2 12 h. 125 M.A. 250 ohms Case I-C Code DOILY 1.85
- 3 12 h. 125 M.A. 250 ohms Case VI-A Code DONEE 2.50
- J-24 8 h. 160 M.A. 140 ohms Case I-C Code ZEIAC 2.10
- D-25 10 h. 160 M.A. 175 ohms Case VI-J Code ZEJNP 2.95
- D-4a 20 h. 250 M.A. 150 ohms Case VI-J Code DONOR 4.65
- D-5a 20 h. 250 M.A. 150 ohms Case III Code DORIC 5.25

## INCA FILAMENT TRANSFORMERS

The transformers listed in the group below are selected from the wider list of filament transformers (cataloged in our bulletin L-34) for their usefulness around the service laboratory. All have 115 volt, 50-60 cycle primaries.

- J-1 2½ Volt 4 Amp. Case I-B Code JELLY 1.60
  - J-2 2½ 7 Case III Code JENNY 2.20
  - J-8 6.3 1.6 Case I-B Code ZESLN 1.60
  - J-18 6.3 3.3 Case III Code JETTY 2.20
  - J-30 1.1, 1.5, 2.0, 2.5, 3.0, 5.0, 6.3, 7.5, 12.5, 15, 25, 30. Case III Code JONES 3.50
- (For tube tester)

All above may be supplied with primaries for 230 volt, 50-60 cycles @ 15% increase in price.—for 25-60 cycles, 60% increase.— 25-60 cycles, 230 volt, 15% and 60% increase.

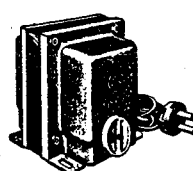
# Inca Auto Transformers

### FOR LINE VOLTAGE REGULATION

These units are ideal for regulation of power output, for adjustment of filament voltage and for any other purpose where a variable voltage will be desirable. They have five 25 volt taps and five 5 volt taps, giving 5 volt steps from 0 to 125 volts.

- O-12a ( 250 watts) Case III Wt. 6 lbs. Code ZEIPS 5.25
- O-13a ( 500 watts) Case III Wt.10½ lbs. Code ZEKDE 9.50
- O-14a (1000 watts) Case III Wt.27 lbs. Code ZEIRT 15.00
- O-15a (2000 watts) Case III Wt.38 lbs. Code ZEKEF 20.00

### 220 TO 110 VOLTS



Case X

In many localities, particularly in industrial plants, ships, and in export regions, the only current available is 220 volts A.C. Where it is necessary to operate 110 volt equipment from these lines an Inca 'O' type transformer will reduce the 220 volts to 110 without necessity for obtaining special units.

- O-11—A transformer particularly designed for small radio receivers. Rating 70 watts, 220 to 110 volts, 50-60 cycles. Case V with male and female A.C. connector plug. Weight 3½ lbs. Code Word—OLEUM ..... \$3.75
- O-2—Will supply the larger receivers or phonograph combinations. Rating 150 watts, 220 to 110 volts, 50-60 cycles. Case No. X. Weight 6½ lbs. Code Word—OSRAM ..... 5.50
- O-3—Like O-2 but 250 watt rating. Weight 9¼ lbs. Case No. X. Code Word—OPERA..... 8.50
- O-4—Rating 500 watts, 220 to 110 volts, 50-60 cycles. Case XI with flexible lead terminals. Code Word—ODAST ..... 13.20
- O-5—Rating 1000 watts, 220 to 110 volts, 50-60 cycles. Case XI with flexible lead terminals. Code Word—ODARN ..... 22.80

Only Inca Transformers Have 'Climatite' Treatment!



# INCA REPLACEMENT GUIDE

Where INCA Transformers have been used as original equipment (this includes a great majority of radio sets built on the Pacific Coast) many of the transformers have been supplied to the manufacturer identified only by the coil number or by the manufacturer's part number. In order that these transformers may be identified, we are supplying a check list in order that these coils may be connected with the corresponding unit in the jobber series.

Part or Coil Number	Case II	Case V	Case III	Case V	Case II	Case I2
01463, 02311, 02510, 03110, 02910, 02588	C-31	C-32	C-11			
02509, 02909, 02118, 04172	C-12	C-37	C-15			
01144, 01954, 01504, 01073, 01362, 02904, 02854, 02944 0573, 0673, 01464, 0994, 01214, 01215, 0804, 0805, 01225, 01505, 02500, 01374, 0995, 02094, 02409, 02905, 03056, 02526, 01324.	C-4	C-23	C-3			
02027, 02389, 0186, 0806, 01227, 01345, 02842, 02889, 0270, 01392, 0742.	C-33	C-34				
0998, 01001, 01271, 0408, 0491, 0186, 01375, 01935, 01595, 02031, 01345, 01217, 0170, 0171, 0270, 0748, 01317, 02559, 01344, 01331, 01392, 0742, C-25, C-6, C-5.	C-52	C-53	C-55			
				0454, 0408, 0174, 0385, 0193 01081, 02081, 01961, 02799, 03361	C-27 C-54	C-8
				01655, 02645, 03145, 03187 03713, 04506, 02090, 02990 04200, 03122, 03822, 05882, 06723, 06945.	C-62	C-61
				03800, 02769, 03369, 01968, 02990, 04413, 03980, 04875, 04878, 05110, 04919, 04999, 05000, 03991, 05370, 05463, 05568, 05682, 05720, 05850, 05866, 05898, 06095, 06120, 06142, 06178, 06180, 06135, 06136, 06466, 06642, 06809.	C-69	C-79
				01744, 03196, 02894, 03375, 03250, 01560, 02960, 02896, 03775, 04876, 04877, 04880, 03712, 04820, 03112, 05129, 05294, 06266, 06417, 06596.	C-64	C-74
				03237, 02287, 04240, 04881, 04924, 03778, 06265, 06487.	C-65	C-75
				02286, 03007, 03706, 03815, 02799, 03361, 03589.	C-77	C-76
				05983, 05100, 05111, 06560.	C-78	C-81
				02611, 03693, 03716, 03831, 04435, 03826.	C-67	

## INCA Replacement Transformer Guide

Model	INCA No.	Model	INCA No.	Model	INCA No.
<b>Amrad Corp.</b>		<b>Belmont Radio Corp.</b>		<b>Crosley Radio Corp.—Cont.</b>	
81	C-53	401, 585, 586, 587, 588, 589	C-79	526, 5526, 555, 5555, 516, 5516, 6516,	
AC-7	C-9	685, 686, 786, 746	C-74	5V2, 515, 5515, Fiver, 525, 505,	
70	C-28	777, 778, 787, 856, 878, 879, 890	C-75	534, 517, 547	C-7
F-516	C-79	1070, 1170, 1172, 1174	C-76	616, 626, 655, 816, 6625, 6H3, 614,	C-7
F-616, F626	C-74	740, 840	C-85	635, 726	C-7
<b>Austin Radio Co.—Los Angeles</b>		<b>Brunswick Radio Corp.</b>		725, 855, 865, 955, 714, 715, 80AW,	C-6
A, J	C-33	R-1, 5KR-6, 5KRO, 2KRO, 3KRO, 3KR6	C-9	80AWLB	C-6
S, SP	C-52	31AC, S-14, S-21, S-31, S-81, S-82	C-55	915, 916, 1016, 1055, 814, 1014, 130,	C-7
<b>Atwater Kent Mfg. Co.</b>		17, 24, 25AC	C-7	130-1, 129-1, 1026	C-6
228, 228F, 260, 260F., 469, 469F, 480,		10	C-33	1155, 1316	C-8
567, 567F, 588, 448, 72, 80, 80F, 83,		11, 12, 16, 33, D	C-52	926	C-8
83F, 82, 82F, 84, 84F, 85, 85F, 86,		3-KRS	C-28	1126, 1336, 1516	C-8
86F, 90, 90F, 92, 92F, 94, 94F, 96,		<b>Columbia Phonograph Co.</b>		1216	C-7
96F, 188, 188F, 55, 55F, 55FC, 60		C-80A, C-80B, C-800, C-90, C-100	C-53	<b>El Rey</b>	
L-1, L-2, 137, 168	C-52	SG-5	C-34	7 tube All-Wave—845	
36, 37, 38, 43, 44, 45	C-9	SG-9, SG-10	C-27	644	
87, 89, 89F, 89P, 99, 99F, 99P, H-1	C-8	31, 33, 32, 34	C-33	<b>Emerson Radio and Phono. Corp.</b>	
246, 627	C-33	<b>Chanticleer Radio Co.</b>		102, 104, 112, 102LW, 104LW, D134,	
184, 145, P216, P336, 255, 435, 725,		450, 550	C-23	D136, D138, D139, D140, D142,	
755, P875, E765	C-64	570	C-69	D146	C-7
E-208, 328, E-608, E-648	C-65	660, 670	C-63	116, 121, K116, K121, K123, 117,	
236	C-23	750	C-65	L117LW, 117LW, L122LW, L133L3,	
312, P412, E412, 710	C-67	950, 1050, 1150	C-77	L135LW, L141LW, L117, L122,	
447	C-53	<b>Crosley Radio Corp.</b>		L133, L135, L141, AC130, AC149,	
<b>Balkit Radio Co.</b>		179, 168, 133, 135, 53, 59AC, 122, 125		AC168, R152, R153, R156, R158	
M, D-5, 52-1, 55	C-4	54, 57	C-34	C134, C136, C138, C139, C140, C142,	
42E, 42G	C-12	180, 170, 171, 124-1, 134, 134-1, 77-1,	C-53	S147, S151	
100, L-8, E, L-7, F	C-52	123, 124, 63, 73, 77, 84, 120	C-53	Z117, Z122, Z133, Z141, Z150, Z159,	
KP	C-33	181, 60, 60LB, 72, 72LB, 167, 164, 48,	C-23	Z160, Z135, AR171, AR173, AR174,	
A3, A5, A7	C-9	131, 137, 141	C-69	AR176, AR180, AR185	
C	C-27	5M3, 50, 50LB	C-64	D134LW, D136LW, D138LW, D139LW,	
GT-16A, 60, 70	C-69	61, 61LB	C-44	D140LW, D142LW, D146LW, X146	
GT-18A	C-64	175	C-27	<b>Fada Radio &amp; Elec. Corporation</b>	
GT-20, GT-200X	C-65	127-1, 160, 121, 127	C-69	150, 255	
70A, SC-6	C-34	602AC, 608AC, 610, 609, 704A, 706, 804,	C-27	190, 1583, 1582	
100	C-53	32, 40, 41, 41A, 42	C-9	RX	
				RW	

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FILAMENT VOLTAGES - 2 1/2 V + 2 1/2 V, 1 1/2 V, (SOMETIMES 5 7/8 V)



**INCA REPLACEMENT TRANSFORMER GUIDE—Continued**

Model	INCA No.	Model	INCA No.	Model	INCA No.
<b>Fada Radio &amp; Elec. Corporation—Cont.</b>					
AA, NE	C-65	<b>Harris Mfg. Co.</b>		<b>Montgomery &amp; Ward Company—Cont.</b>	
16, 17, 32	C-9	500, 600, 700, 501W, 701W, 900, 1201W	C-65	62-101, 62-22, 62-30, 62-29, 62-9, 500,	
35, 73, 85, 51, 61, 66	C-34	<b>A. H. Grebe &amp; Co.</b>		32W, 62-232, 1111, 811, 11000,	
36, 74, 76, 83, 88, 89, 78, 79, 45, 25		HS-11, SK-4, HS-7, HS-8, HS-4, AH-1	C-53	62-040, 62-181, 62-1838, 2822,	
15M, 35, 35B, 40AC, 43	C-53	111-B, HS-6; HS-12	C-27	2827, 2895, 2897, 3055, 3037, 3065,	
48, 49, 42, 44, 46, 41, 47	C-27	HS-3	C-34	3067, 2955, 2957	C-53
250, 160, NP, 265, 1265, 5C, 6A	C-74	AC7	C-9	62-38, 62-40, 62-50, 17, 62-1, 62-2,	
270, 271, 170	C-75	<b>Grigsby-Grunow Company (Majestic)</b>		1355	C-27
290, 291	C-67	570	C-34	26W, 27W	C-33
212, 312	C-78	44, 49, 194, 440	C-15	62-70, 62-70X, 62-72, 62-72X, 13, 15,	
<b>Galvin Mfg. Co.</b>					
5T, 5T-1, 5T-2, 5Y	C-69	460, 461, 463	C-23	16, 16X, 18, 18X, 62-010, 62-7,	
6A, 6T, 6Y	C-64	55, 59, 75, 195, 560, 566	C-79	62-8	C-34
7Y	C-84	85, 86, 998, 55, 390, 15, 155	C-33	62-192, 62-195, 62-134, 62-134X, 62-	
<b>General Electric Company</b>					
H-91, H-91L	C-53	200, 290, 340, 30, 90, 100, 130A, 230A,	C-53	139, 62-139X	C-67
H-31, H-51, H-71	C-27	21, 22, 23, 52	C-9	62-235, 62-248	C-79
A52, A55, E61, E62, E68, A53, F63,	C-74	70, 70B	C-9	62-267, 62-277	C-74
F65, F66, F70, F75, E79		210, 25, 35	C-27	62-313, 62-314	C-81
E71, E72, E76, A63, A65, A64, A67,	C-75	220, 181	C-28	<b>Noblitt Sparks Industries (Arvin)</b>	
A70, A75, F81, F86		310A, 310B, 330, 370	C-4	41, 51	C-79
E81, E86, A83, A85, E91, E95, A125	C-76	<b>H. H. Horn Radio Mfg. Co.</b>			
A82, A87	C-79	15, 59, 79	C-52	61M, 62M, 61, 62	C-75
E50, E52, F53, F		99, 100, 101, 111, 102	C-8	81, 81M	C-76
<b>General Household Utilities Co. (Grunow)</b>					
2121, 861, 750, 751, 752, 753, 700, 701	C-65	324, 31, 25, 26, 27, 29	C-4	417, 467, 517, 527, 518, 518A, 518DW,	
801	C-69	24	C-32	528CS, 568, 568A, 568DW,	C-69
160	C-64	66, 58, 56A, 56C	C-23	927, 1127	C-77
550, 651, 660, 661, 662	C-67	26, 36A, 36B, 55, 5A	C-37	618, 618A, 628, 638, 628CS, 638CS, 617,	
101		112	C-44	627	C-64
550, 451, 460, 461, 460X, 4B, 461X,		44, 4T	C-62	818, 828, 828A, 838CS, 848CS	C-65
470, 560, 570, 571, 551, 553,	C-79	77, 99	C-34	1237, 1247, 1247A	C-78
572, 564, 566, 573, 532, 542		537, 538	C-51	<b>Pacific Radio Corp. (Jackson-Bell)</b>	
640, 641, 680, 681, 670, 671,	C-74	51, 52, 52C, 5MTD, 517, 518, 518PR,	C-69	<b>(Crusader)</b>	
631, 643, 654		87, 67, 67C, 5A (late), 5AD, 5MT		556, 556C, 506	C-69
760, 761, 723, 731, 733, 735, 755, 823,	C-75	5AVC, 518a		27, 37, 20, 22, 34, 406, 456, 37a,	C-79
831, 835	C-76	7MT, 97, 66 (late), 57, 76, 8MT, 8MTC	C-64	57, 57C, 606, 57a, 57AN	C-64
1171, 1152, 11B, 1151, 901, 902,		66C, 66PR, 7C, 710	C-65	<b>Packard-Bell Co.</b>	
1191, 1191B	C-77	9MT, 10MT	C-65	5, 5A, 5T	C-69
1241, 1291, 1297, 1541, 1101	C-67	16MT, 115, 17MT	C-67	4848	C-75
1941	C-85	50	C-61	35D, 45	C-79
2291	C-78	<b>Howard Radio Co.</b>			
<b>General Motors Radio Corp.</b>					
10, 180, 190, 211, MA	C-33	68, 77T, 77C, 268, 626, 1626, 67C, 67T	C-74	50	C-81
A-5005, 120, 130, 140, 216, 217, 219		99, 99T, 99C, 118, 218	C-76	120	C-85
250, 251, 220, A	C-53	256, S-256	C-79	35J, 46D, 48, 48A, 48B, 47, 35G, 35H	C-64
252, 253, 254, 255, 256, 257, 258	C-27	214	C-81	35, 35A, 36	C-23
25, 26, 27, 28, 43, 48, 5077, 5080	C-9	<b>Jackson Bell Mfg. Company, Ltd.</b>			
A-5003, 5091	C-19	84, 24	C-15	65, 67	C-49
<b>Gilfillan Bros., Inc.</b>					
30, 33, 35	C-9	87, 86, 96	C-33	<b>Patterson Radio Co.</b>	
100	C-52	88, 89A, 99, 89, 62, 63, 64, 27	C-33	70AW, 74AW, 507AW, 64AW, 60AW,	
5T	C-23	5A	C-9	506AW	C-23
37, 27B, 42, 40	C-53	25, 25A,	C-12	84AW, 80AW, 508AW, 510AW, 100AW,	
A, B, C, D, E	C-12	29	C-8	104AW, PR10	C-53
15, 6T, 62S, 81S, 82S	C-34	<b>Mission Bell Radio Mfg. Co.</b>			
116B, 116X, 117X, 96B, 96X, 97B, 97X,		30, 35, 351, 352	C-32	75AW, 175AW, 275AW, 85AW, 185AW,	
117B	C-77	41, 41, 3541	C-37	285AW, 385AW, 186, 1106	C-77
X, 8X	C-51	43, 44	C-23	86AW, 308, 408, 87, 87A, 77B	C-75
402, 501, 501T, 521T, 5B7, 42, 56, 52A		47	C-75	106AW, 107, 107A, 127, 127A, 126AW	
54A, 40, 42A, 5B8, 5S8, 5G8	C-69	46, 45, 351 (late), 352 (late)	C-79	312, 412, 512	C-76
112, 25C, 25M, 32, 35, 41, 31, 24, 30		384	C-69	PR-15, 105AW, 1105AW, 2105AW,	
410, 4T, 43A	C-37	386, 45, 389	C-64	3105AW, 1126, PR16	C-67
111, 510, 515, 63B, 63X, 58X, 59X		<b>Montgomery-Ward &amp; Company</b>			
5TC, 57X, 62B, 62X, 52A, 54A,	C-64	62-16	C-8	<b>Peter Pan Radio Mfg. Co.</b>	
525, 6X8,		62-135, 62-150, 62-154, 62PC43, 62PC55,	C-8	4, 24	C-31
731C, T, 58X, 72X, 831, 715, 73X		62-97, 62-99	C-4	14, 35	C-32
72X, 63B, 63X, 78B, 7A, 710	C-65	62-147, 62-156, 62-164, 62-140, 62-148 C-12	C-12	55, 36 B	C-37
131, 1331, 13C8	C-78	62-173, 62-175, 62-176, 62-177, 62-188	C-12	36	C-23
1T8, 6T8	C-74	62-193, 62-185, 62-190, 62-196,		64, 4 (late), 34 (late), 45 (late), 555	C-79
1C8, 8T8	C-75	62-103, 62-105, 62-226, 62-228,	C-75	56, 36 (late)	C-74
		62-259, 62-308, 62-318, 62-408,		34, 45	C-62
		62-418		4537, 45a	C-69
		62PC68, 62PC64, 62-106, 62-107, 62-121,	C-52	77, 77a	C-65
		62-20, 62-14, 62-11		5M	C-51
		62-179, 62-94, 62-206, 62-216, 62-218,	C-76	<b>(AUTO)</b>	
		62-132, 62-137		<b>Philco Radio &amp; Television Corporation</b>	
				18, 118, 507, 200X, 14, 503, 15, 9, 23X	C-77
				50, 50A, 51, 51A	C-34
				70, 70A, 270, 270A, 470, 470A, 65, 76,	
				77, 77A	C-53
				87, 20, 20A	C-19
				90, 90A, 111, 111A, 112, 112A, 212,	
				212A, 490, 95, 96, 96A, 296, 296A,	
				211, 211A,	C-27



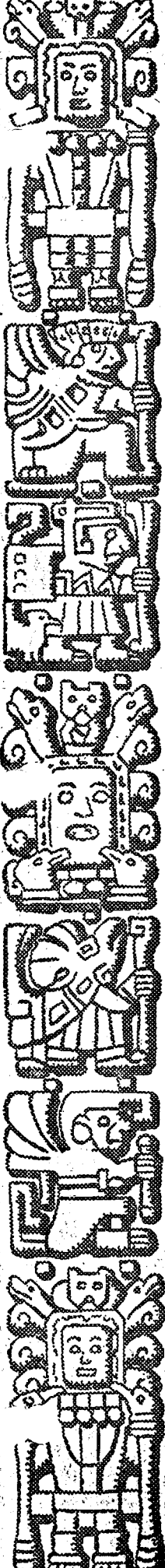
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 FILAMENT V. 2 1/2 -

**INCA REPLACEMENT TRANSFORMER GUIDE—Continued**

Model	INCA No.	Model	INCA No.	Model	INCA No.
<b>Philco Radio &amp; Television Corporation—Cont.</b>		<b>Dunn-Hall Co.</b>		<b>Stromberg-Carlson Tel. Mfg. Co.</b>	
220, 220A, 5AC, 82, 86	C-9	51, 53, 353, 354, 364	C-69	58L, 58LB, 58T, 58TB, 58W, 58W8, 228L	C-
37-60, 37-61, 37-89, 37-610, 37-620,	C-74	1820, 1826, 7188, 1708A, 1970	C175	228LB, 228H, 228HB, 229P	C-
37-630, 625, 635	C-69	<b>Sears-Roebuck and Co.</b>		62, 62B, 63, 63B, 83, 83B, 68	C-
37-84, 59, 57, 84	C-79	52, 95, 53, 54, 94, 99, 110, 111, 1430	C-27	60	C-
37-600, 600, 37-62, 37-93, 38-10	C-75	1370	C-4	52, 54, 48, 49, 50, 51	C-
37-640, 610, 620, 630	C-67	56, 100, 108, 112, 1650, 1652, 1654, 1670	C-53	37, 38, 39, 40, 41, 25, 26, 10, 11, 12, 14	C-
37-650, 37-660, 37-670, 16, 17	C-64	1150, 1152, 1174, 1310, 1312, 1330,	C-53	19, 20, 22, 29, 846, 848	C-
89, 610, 610PF, 620, 630, 630PF, 60	C-76	1320, 1322, 1324	C-53	638AC	C-
655, 16, 97, 116B, 201, 509X, 640, 650	C-65	1506, 1809, 1811, 1833, 1845, 7049, 7124	C-69	61T, 61TB, 61L, 61LB, 61W, 61WB,	C-
660	C-69	1580, 1582, 1584, 1590, 1592, 1250,	C-52	130, 145	C-
645, 29, 45, 66, 144, 19-128, 44, 504	C-65	1252, 1390, 1400, 1402, 1404, 1406	C-12	80, 84, 84B, 70, 64	C-
38-12, 261, 164, 265, 267E	C-69	1660	C-77	140H, 140HB, 140K, 140L, 140KB	C-
<b>RCA Mfg. Co., Inc.</b>		1840, 7043, 7044, 7066, 1630, 1640,	C-23	180, 180LB	C-
117, 214, 118, 211, 119, 125, 225, 128,	C-65	1260, 1835	C-32	230H, 230HB, 230L, 230LB, 231F, 231FB,	C-
226, 128E, 224E, ACR-136, 322-E	C-77	1082, 1083, 1731, 1743, 1800 1802A	C-9	231R, 231RB, 231P, 231PB	C-
128, 224	C-64	1803A, 1807, 7048, 7121	C-77	<b>Transformer Corp. of America (Clarion)</b>	
143, 242, 243, 262, 281, 381	C-64	44, 45, 49, 50, FF, J, R4433	C-23	241, 490, 340, AC220, 80, 100	C-
T52, 118, 211	C-52	7136, 7137, 1743A, 7140	C-77	360, 260, 300, 480, AC160, AC280, 84, 85,	C-
R-28-BW, R28P, R37P, R38P, RE40P, 110	C-34	1863	C-32	120, 51, 53, 55	C-
111, 115, 120, 121, 122, 310, R-28,	C-33	1905, 1915, 1955, 1965, 1909, 1912,	C-76	TC-20, TC-21	C-
R-37, R-38, RE40	C-52	1962, 1942, 1944, 1972, 1917, 1967	C-67	TC-40, TC6	C-
R-73, R-75, 140, 141, 141E, 240, 340,	C-34	1967A, 1945, 1946, 1981, 1981C	C-64	320, 470, 472	C-
340E, 341, 9AW, R7LW, R-16A,	C-53	1941, 1722, 1732, 1806, 1823, 1829	C-84	200	C-
R-73A, RE80, R-70, Superette R-8,	C-33	1821, 1827, 1708, 1709, 1720, 1725	C-85	80	C-
R-12, R-7A, R-10, RE-19, RO23, R71,	C-27	7065, 1832, 1832A	C-78	70, 61, 90, 60, 94	C-
R-72	C-8	1918, 1968, 1918A, 1968A, 1726X	C-82	AC-160	C-
124, 221, 320, 321, 220, 222, 330, 331	C-9	1930, 1940, 1956, 1970A,	C-78	C-10	C-
R-74, R-78, RE81, RA84, R90, 48, 66,	C-28	1986, 1987, 4403, 4463, 4484, 4563,	C-85	C16, C17	C-
380, R90P, 140, 141, 141E, 240,	C-74	4564, 4584, 1729, 1760, 1804, 1805	C-8	C21	C-
AVR-1, 260, 261, 280, R43	C-75	1820, 1826, 7118, 1708A, 1970	C-84	C27	C-
R71, R72, R4, R6, R5X	C-75	1942, 1972, 1994	C-84	<b>Troy Radio Co.</b>	
82, R50, R55, RE18, R-11, RE20, RAE 126,	C-27	4465, 4485, 4565, 4585, 4486, 4586,	C-85	J-4	C-
RAE59, 80, 86	C-8	4586A	C-78	40, 41, 14	C-
R-21	C-9	4488, 4588, 4488A, 4588A, 4587, 4587A	C-82	44, 52, 54, 15	C-
17, 50, 18AC, 33AC, 62, 9-16, 7-26,	C-28	7143	C-82	42, 4 (late), 4a (early), 45, 55, 58PC	C-
7-11	C-74	<b>Sparks-Withington Company (Sparton)</b>		84 (early)	C-
C-64	C-75	75A, 475A, 478A, 5, 9, 12,	C-33	84 (late)	C-
5T, 6T, 6K, 6T2, 6K2, T6-11, C6-12,	C-75	80, 83, 84, 85X, 86X	C-75	55	C-
6K3, 7T1, 7K1, 6T5, 7U2, 8T1,	C-75	104	C-76	4	C-
85T5, 85T	C-75	18, 10, 16, 16AW, 14, 15, 56	C-52	62, 77	C-
7T, 7K, 8T, 8K, 7U, T7-5, C7-6, D7-7	C-75	74	C-53	86, 68	C-
T7-12, C7-14, T6-1, C6-2, T6-9	C-75	35	C-28	65, 75C, 75G, 75PC, 75A, 50, 100 5, 75	C-
T8-14, C8-15, T8-16, C8-17, T8-18	C-76	25, 26, 30, 45	C-27	711, 74, 53, 35, 26, 57, 825, 401	C-
C8-19, C8-20, D8-28, 9K, 9T, 9K2	C-67	26AW, 18	C-8	4a (late), 59PC	C-
C9-8, T9-10, C9-6, T9, 6, D9-19	C-79	73, 73AX, 73BX, 516, 516X, 546X, 536	C-74	113	C-
10T, 10K, C9-4, T10-1, T10-3	C-75	536X, 616M, 616MX, 666M, 666MX	C-44	C170PC	C-
C11-1	C-85	636MX, 616, 616X, 666, 666X, 716	C-77	<b>U. S. Radio &amp; Television Corp.</b>	
D11-2, T11-8, 15K, C13-2, C15-3	C-81	766, 766X, 766XP, 766XS, 67, 68	C-74	7-D, 99, 7	C-
D22-1	C-75	691, 71, 71B, 72, 78, 547X, 557,	C-44	12, 120, 3070, 8, 31, 41, 42, 46, 47, 48	C-
5T4, 5T5, 5T6, 5T7, 5T8, U101, U103	C-85	567, 537, 617, 667, 617X, 667X,	C-77	28, 29, 32	C-
8T2, 8T11, 8K11, 8U, 8U2, 9K1, 9K3,	C-37	517, 577	C-82	25, 5A, 3040, 3056, 20, 26, 27	C-
9U, 9U2, 88K	C-23	76, 134, 136, 27A, 28, 27	C-79	24	C-
10K1, 10T	C-31	966, 966X	C-85	160, 250, 10	C-
13K	C-32	1116X, 1166, 1166XP, 1166XS, 1176	C-85	80, 81, 36, 37	C-
<b>Remington Radio &amp; Television</b>		1176XP, 1176S, 1186, 1196, 1466	C-67	<b>United American Bosch Corp.</b>	
40, 50	C-37	1476	C-82	420, 421, 430, 431, 432	C-
270, 250, 150	C-23	75AX, 475AX, 478AX	C-79	460A, 460B, 460R, 470G, 470U, 460, 350	C-
280	C-34	427X, 437X, 457X	C-85	360, 4, 305A	C-
41	C-31	727X, 727XD, 877X, 867	C-85	480, 595M, 595P	C-
4W, 43	C-32	<b>Stewart-Warner Corporation</b>		585, 585Y, 585Z	C-
156, 53, 145, 44, 44PA, 161	C-74	1371 to 1379, 1381 to 1389	C-76	307, 370, 36, 37AC, 200, 201, 236, 237,	C-
381	C-65	R-106	C-34	242, 243, 5, 31, 32,	C-
258, 45	C-69	R-110, R-120, 105, R-100, 901, 902, 903,	C-33	310A, 40, 41, 250, 251, 260, 261, 312,	C-
<b>Remler Company, Ltd.</b>		911, 912, 913, 950, R-100A	C-9	313, 20, 48, 49, 58	C-
10-3	C-34	R-104, 1090 to 1099, R101A, R-101B	C-4	352	C-
10	C-7	R-102A, R-102B, R-102C	C-33	10	C-
19, 11	C-33	801, 801A, 811, 811A	C-9	28, 29	C-
15, 17	C-55	1401 to 1409, 1231 to 1239, 1251 to	C-79	305, 405	C-
21	C-15	1259, 1271 to 1279, 1301 to 1309	C-79	360, 361, 364	C-
71, 41, 42SW, 43, 44, 45, 62, 63, 64, 42	C-64	1451 to 1459, 1461 to 1469, 1261 to	C-74	565K, 565W, 440C, 440T, 450L, 450H,	C-
51, 60, 53, 53C, 46, 52	C-69	1269, 1341 to 1349, R116, R119,	C-74	505, 510	C-
88,89	C-77	1691 to 1695, 1721 to 1729	C-75	605, 605C	C-
		1471 to 1479	C-75	640, 650	C-

**Only Inca Transformers Have 'Climatite' Treatment!**

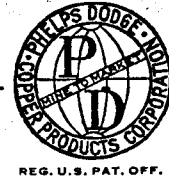
2 1/2V FIL. TRANSFORMERS -





**PHELPS DODGE COPPER PRODUCTS CORPORATION**

*Inca Manufacturing Division*



**INCA REPLACEMENT TRANSFORMER GUIDE—Continued**

Model	INCA No.	Model	INCA No.	Model	INCA No.
<b>Wells-Gardner &amp; Co.</b>		<b>Westinghouse Elec. &amp; Mfg. Co.—Cont.</b>		<b>Zenith Radio Corporation—Cont.</b>	
5D, 6C, 27G508, 37G566, 5F, 5L, 5KL, 5K	C-74	WR-4, WR-5, WR-6, WR-7	C-27	980, 985, 990, 95-30, 95-54, 95-55, 835, 880, 1001, 1001A	C-77
40, 40A, 022, 502	C-52	WR208, WR209, WR210, WR310		4P26, 4T26, 4P51, 4T51, 805, 845, 806,	
C, CG	C-19	WR311, WR203, WR303, WR28		807, S847, 850	C-79
82, 72	C-55	WR29	C-74	825, 827, 829, 870	C-75
ODM, O-C, 22B5	C-76	WR211	C-69	705, 706, 707, 711, 712, 750	C-4
2CM, 2DL, 6F	C-67			770B, 775B, 476B, 91, 92	C-8
7K, 7D, 07A, 7J	C-75	<b>Westone Radio Corp.</b>		2056, 2056-1, 230, 240, 245, 2009C, LP	C-33
OEL, 7F, 7FL	C-85	20		33, 34, 35, 35A, 342, 352, 352A, 362, 33X,	
<b>Western Auto Supply Co.</b>		30, 34		362X	C-9
76, 276	C-65	40, DE5, DE4, 70		5S-29, 5S-56, 5S-119, 5S-126, 5S-127	
46, 56, 57, 257, 557	C-69	20 (late), 30S, 22		5S-150, 5S-151, 5S-161, 6S-27,	
43A, 146	C-37	34 (late), 34S	C-79	6S-52, 6S-203, 6S-222, 6S-223,	
S725, S726, 487, 587, 457	C-75	60	C-74	6S-229, 6S-239, 6S-241, 5R-123,	
43a, 146	C-23	<b>Zenith Radio Corporation</b>		5R-135, 5R-165, 5R-216, 5R-226,	C-64
2106, 2116, 2126, 2136, 5727	C-78	814, 815, 864, 1161, 945, 950, 908, 909		5R-236	
S716, S717	C-8	960, 961, 1117, S-829, S-870, S-871,		6S-128, 6S-137, 6S-147, 6S-152, 6S-157	
S-719	C-4	1170, S-908, S-909, S-961, 1167, 808,		7S-28, 7S-53, 7S-204, 7S-232, 7S-	
377, 357	C-74	809, 861	C-74	240, 7S-242, 7S-258, 7S-260, 7S-261,	
66	C-64	970, 975, 715, 755, 756, 474, 760, 765,		8S-129, 8S-154, 9S-203, 9S-232,	
<b>Westinghouse Elec. &amp; Mfg. Co.</b>		767, 475, 210-D, 211-5, 270-5, 210,		9S-242, 9S-244, 9S-262, 9S-263,	
WR-204, WR-304, WR-205, WR-305	C-75	220, 410, 411, 420, 250, 260, 272,		9S-263, 9S-264	C-65
WR-23, WR-24, WR-22	C-4	430, 440, 2004, 2021, 2022, 578,		12S-205, 12S-232, 12S-245, 12S-265,	
WR-27	C-79	589, 590, 520, 521, 602, 605, 608,		12S-266, 12S-267, 12S-268, 15U-246,	
WR-30	C-76	611, 615, 258, 268, 278, 280, 281,		15U-269, 15U-270, 15U-272,	
		288, 289, 478, 558, 568	C-52	15U-273	C-78

**NOTICE**—INCA products are continually being revised and improved. The PHELPS DODGE COPPER PRODUCTS CORPORATION can assume no responsibility for any damage to anyone caused by such revision in either size or electrical characteristics. Prices subject to change without notice.

INCA products described in this bulletin may be purchased from:

**OTHER INCA PRODUCTS** are described in the following bulletins which may be obtained without cost from your dealer or by writing direct to this company.

- L-39—The complete line of INCA radio transformers for transmitters, receivers, and public address. Includes condensed listing of hi-fidelity units.
- L-33a—INCA hi-fidelity audio transformers and hi-quality power equipment.
- L-24—INCA signalling and door-bell transformers.
- L-25—INCA luminous tube transformers.
- L-26—INCA "Wind-O-Lite" ornamental sign transformers.

**UNITED RADIO SUPPLY CO.**

(JAKE VAN ROOYEN)

1356 SO. FLOWER ST. - PR 0538

**PHELPS DODGE COPPER PRODUCTS CORPORATION**

**INCA MANUFACTURING DIVISION**

Los Angeles Branch

2375 East 27th Street

Los Angeles, California

**Only Inca Transformers Have 'Climate' Treatment!**



L.A. RADIO MFGR'S }  
 ASSEMBLERS } 1933-34-35  
 DISTRIBUTORS }

MAJOR PLAYERS

GILFILLAN  
 HORN  
 MISSION BELL  
 PACKARD-BELL  
 PATTERSON  
 TROY

MINOR PLAYERS

	33	34	35
BRETING RADIO CO.			X
CHANTICLEER RADIO CO.		X	
CUSTOM BUILT - CROWN			X
EL REY RADIO MFG. CORP	X	X	X
GOLDEN BEAR (BELIEVE TO BE A LABEL FOR SALES)		?	X
HARRIS MFG. CO.			X
KELLER-FULLER <sup>MFG. CO.</sup> - RADIETTE	X	X	
LOS ANGELES - <sup>RADIO MFGS. STORES</sup> PARAMONT	X	X	X
MELBURN RADIO MFG. CO.	X	X	X
PACIFIC RADIO CO. - WESTONE			X
PETER PAN RADIO CO.	X	X	X
RADIO PRODUCT SALES - CLIPPER			X
RAVENS CROFT <sup>CO.</sup> - AERCO			X
REMINGTON <sup>RST CO. (PROBABLY A MARKETING NAME)</sup>	?	?	?
ROYALÉ RADIO MFG. CO.			X
SHELDON RADIO CO.	X		
WESTONE RADIO MFG. CO.	X	X	<del>X</del>
RADIO BAR CO. OF AMERICA	X	X	X
PACIFIC RADIO EXCHANGE	X	X	

BECAME PART OF PACBRAD

add Dunn-Hall  
 Remington -

# Long Tips on Short Waves

By VIC NOBLE  
Philco All-Wave Club

There are so many new stations and programs on short waves this week that it is difficult to know where to begin. Maybe it's a good idea to tell you about the Eastern football broadcasts every Saturday during October and November. W2XAD, W2XAF, W8XK, W3XAL, all are going full ast, beginning about 10 a.m. on Saturday with Eastern games. Take your pick!

Biggest thrill of the week for me has been to catch Germany and Italy with pretty good volume. Germany is good in the morning from a few minutes after 8 until 8:30 when they sign-off in English with the news. DJB at 5.20 is the station. Try 'em next Sunday.

After months of tuning without success, I logged the "American Hour" from Rome this week. Looks like Mussolini told the boys to turn on the power because the program has been coming in good. 2RO is the station and the frequency is 9.68 meg. Program is on Monday, Wednesday, and Friday from 3 p.m. to 4:30 p.m., but best reception comes in after 4. Some of the boys tell me that from 4:30 to 5:00 they hear the same station broadcasting the "South American Hour," but I haven't caught it that late.

England is whooping it up again. From 3 to 5 p.m., GSB and GSC are good. (9.51 and 9.58 meg.) GSC is not from 7 to 8 p.m. and from 11:15 a.m. to 1:15 a.m. GSB is strong.

For early - morning dialers, GSF (15.14) and GSI (15.26) are okay—especially if you live where there is not too much automobile noise.

France opens its new transmitter on October 15 which means that we should hear Paris with good volume from then on. New outfit has 120,000 watts of power compared to 15,000 for FYA now.

It seems to me that the French must be using some of this new power because I hear FYA better than ever on 11.90 from about 9 a.m. to 2 p.m. Also, they are fair on 11.71 from 3 to 6 p.m. and from 7 to 8:45 p.m.

Japan is using the new wave length of 10.66 for the 9 p.m. overseas program.

Some of the new eastern programs of interest include Kate Smith on

W2XE and W3XAU on Monday, Tuesday, and Wednesday; Phil Baker with his stooges, Beetle and Bottle, on W2XE and W3XAU on Sunday at 4:30.

You can catch Phil Harris and Leah Ray on W9XF Sunday night at 9 p.m. Ted Fio Rito is on W8XAL at 8:45 and 10:15 every night.

If you like Mexican music, try XBJQ on 11 meg. any time from 4 p.m. to 10 p.m. The schedule is irregular at present.

## STUDIO NEWS

(Continued from page 6) *French* →

McArthur, authors of the Hippodrome presentation, will write the radio serial.

\* \* \*

Robert L. "Believe-It-or-Not" Ripley has considerable talent for the broadcasting business. If you're skeptical, tune in to the Harriet Hilliard-Ozzie Nelson-Robert Ripley program of a Sunday evening at 4:30 p.m. (KFI).

\* \* \*

By now, you may know that Wallace Beery, beloved person of stage and screen, is controlling the destiny of the more-or-less ill-fated Shell-Chateau program. Beery, if anyone should be able to "oop" this program from mediocre to entertaining. (Sat., from 6:30 to 7:30 p.m.)

\* \* \*

If you were worried that the Leslie Howard dramatic sketch was only a one-time affair, rest assured because from our first-hand information, one Leslie Howard will perform of a Sunday afternoon from 5:30 to 6:00 over KHJ.

\* \* \*

For the benefit of the agriculturally-minded, we call your attention to two new programs. There's KNX's Radio Farm Bureau, broadcast every morning at 6:30 with the aim of bringing daily information of value to everyone interested in all forms of agriculture—from citrus groves to flower beds. A series of talks by Mr. J. E. Kelly on "Know Your Trees" was recently inaugurated over KFI. Mr. Kelly's talks will deal largely with fruit trees of the Pacific Coast region. (Saturdays at 3:45.)

# Radio Sets and the Los Angeles Distributors

- Spence*
- AERCO  
A. E. Ravenscroft Co.,  
1818 S. Grand Ave. .... PR-1317
  - AMERICAN BOSCH  
Fey & Krause,  
3430 S. Hill St. .... PR-3091
  - ATWATER KENT  
Associated Whse. Electric Co.,  
1141 Santee St. .... PR-8301
  - BREITING ~~BREITING~~  
Breiting Radio Co.,  
2117 Venice Blvd. .... RE-5974
  - BROWNING DRAKE  
Zack Radio Supply Co.,  
1000 S. Broadway .... VA-4196
  - CHANTICLEER  
Chanticleer Radio Co.,  
1728 Venice Blvd. .... PA-7359
  - CLIPPER  
Radio Products Sales,  
238 W. Fifteenth St. .... PR-0490
  - CROSLLEY  
Chancellor & Lyons,  
1423 S. Grand Ave. .... PR-4211
  - EMERSON  
A. E. Ravenscroft Co.,  
1818 S. Grand Ave. .... PR-1317
  - GENERAL ELECTRIC  
General Electric Supply Co.,  
385 E. Second St. .... TR-8621
  - GILFILLAN  
Gilfillan Bros.,  
1815 Venice Blvd. .... EX-1291
  - GRUNOW  
Watson-Wilson,  
711 Mitchell Place. .... PR-7281
  - McMURDO SILVER  
Earl DeHaven,  
5136 Victoria Ave. .... VE-1276
  - MELBURN  
Melburn Radio Mfg. Co.,  
2214 S. Hoover St. .... PR-0702
  - MISSION-BELL  
Mission-Bell Radio Mfg. Co.,  
833 Venice Blvd. .... PR-5333
  - NATIONAL  
Radio Supply Co.,  
912 S. Broadway. .... VA-3178
  - PACKARD BELL  
Packard Bell Co.,  
1320 S. Grand Ave. .... PR-0151
  - PATTERSON  
Patterson Radio Co.,  
1320 S. Los Angeles St. .... RI-5201
  - PATHE  
Zack Radio Supply Co.,  
1000 S. Broadway. .... VA-4196
  - PETER PAN  
Peter Pan Radio Co.,  
1487 W. Adams St. .... RE-6093
  - PHILCO  
Listenwalter & Gough,  
819 E. First St. .... TR-9711
  - PLYMOUTH  
Kierulff & Co.,  
1839 S. Flower St. .... RI-1424
  - RCA-VICTOR  
Leo J. Meyberg Co.,  
235 W. Washington Blvd. .... PR-9255
  - REMINGTON  
Remington Radio & Tel. Co.,  
1477 W. Adams St. .... RE-3031
  - REMLER  
Remler Co.,  
2706 S. Hill St. .... PR-1574
  - ROYALE  
Royale Radio Mfg. Co.,  
1417 W. Pico St. .... PR-8001
  - SARGENT  
Radio Supply Co.,  
912 S. Broadway. .... VA-3178
  - SPARTON  
Motor Rim & Wheel Service,  
1367 S. Flower St. .... PR-2111
  - STEWART-WARNER  
Stewart-Warner Sales Co.,  
1101 S. Hope St. .... PR-2411
  - STROMBERG-CARLSON  
Wm. Bookless,  
365 Cochran Ave. .... WY-1760
  - TIFFANY TONE  
Herbert H. Horn Mfg. Co.,  
1201 S. Olive St. .... PR-0121
  - TROY  
Troy Radio Mfg. Co.,  
1144 S. Olive St. .... PR-1248
  - WESTINGHOUSE  
Westinghouse Elec. Supply Co.,  
905 E. Second St. .... VA-1381
  - WESTONE  
Pacific Radio Co.,  
1479 W. Adams St. .... PA-4188
  - ZENITH  
Ray Thomas, Inc.,  
1240 S. Hope St. .... PR-6331
- EDITOR'S NOTE—This list is as complete as possible to make it at the present time. If we have missed any, please excuse!

J. W. STOKES  
281-C Hillsborough Road,  
Mount Roskill,  
Auckland 4, New Zealand

Oct. 18, 1991

Dear Floyd

Thanks for your last two letters. I have written to Gary Schneider about the Radio News and sent him some money in the hope that he still has the 3 advertisements. I have listed below the names of the LA info which I can't see mentioned by you.

Regards  
John.

~~DISCONTINUED~~

- Dunn-Hall Co 1477 W. Adams Blvd + <sup>Camryn being by the</sup>
- Chanticleer Radio Mfg Co 1728 Venice Blvd.
- Peter Pan Radio Mfg Co 1487 W. Adams Blvd
- Melburn Radio Mfg Co 2218 So. Hoover
- Harris Mfg Co 2422 W. 7th St ←  
also 1401 W 11th
- Pathé Radio + Television Co 1320 So. Los Angeles St  
1935 address  
1828 S. GLENVIEW with landmarks  
↑ same address  
or Peckerd Bell
- Precision Radio Products Co 8408 So. Broadway  
↑ same address as E-I-Rev
- Pacific Radio Corp 5016 So. Main St.
- Pac. Radio Corp ——— 1479 W. ADAMS  
both used  
1936 L.A. DIR.

Account For

# L.A. RADIO MFG'RS 1933-34-35

ASSEMBLERS  
DISTRIBUTORS

MAJOR PLAYERS	GILFILLAN	33-34-35
	HORN	33-34-35
	PATTERSON	33-34-35
	PACKARD-BELL	33-34-35
	MISSION-BELL	33-34-35
	TROY	33-34-35

ERA

MINOR	✓ VRAVENS CROFT	AERCO	35
	✓ VIBRETING	BRETING	35
	✓ VCHANTICLEER	CHANTICLEER	34
	✓ VCLIPPER RADIO	PRODUCT SALES	? 34
	✓ VMELBURN		33-34-35
	✓ VPETER PAN		33? 34 35
	✓ VREMINGTON	?	?
	✓ VROYALE		35
	✓ VWESTONE		33-34 35
	✓ V WEL REY	33-34-35	33-34-35?
	✓ VGOLDEN BEAR		34 35 ?
	✓ VCUSTOM BUILT ?	same CROWN	35
	✓ VPACIFIC RADIO	WESTONE	
	✓ VKELLER-FULLER	RADIETTE	33-34
	✓ VSHeldon		33- <del>34</del>
	✓ VLOS ANGELES	PARAMOUNT	33 34 35

RADIO BAR CO  
OF AMERICA →

1932 CO'S	<del>PAC RADIO-EXO.</del>	*TROJAN - (OUT OF BUSINESS BY 33?)
	*DAVIDSON-HAYNES	WILLARD-G.B. purchased them in Nov 32
		ADVANCE (DROPPED OUT IN 32!)
		*MANHART ( " " " " )
		✓ HARRIS MFG CO

RADIO MAG <sup>LISTINGS</sup> OF JAN & FEB 33 SUSPECT

\* May have SOLD A FEW SETS IN VERY EARLY 1933

1935 QTHS - ARCO		34	35	36	37	38
<b>BREITING</b> 2117 Venice ADVAN (STAMPED RADIOS IN 33) <b>CHANTICLEER RADIO CO.</b> 1728 Venice  <b>EL REY RADIO MFG. CO.</b> 1932 START 1931	12, 14, 25 A, B, C AUTOS RR OCT 23 AUTO RAD A, B, C RR APR 3	1 F. PEAKS 1728 VENICE OCT A.O.				1728 VENICE
<b>PATTERSON</b> 1320 S. LOS ANGELES <b>GOLDEN BEAR MFG. CO.</b> HORN 1201 S. OLIVE CUSTOM BUILT RADIO 31 Street <b>LOS ANGELES RADIO MFG. CO.</b> 1931 START 944 SO. BROADWAY  <b>MELBURN RADIO MFG. CO.</b> 2214 S. HOOPER	→ See Tech. may Jul 37, P. 11	5, 10, 15, 19, 20, 22, 23 PIX R.D. 32 (CAT, 407, 466, 42, 84) MAY 16 AUG 10 R.D. RO	8406 1/2 SO. BROADWAY 8408 SO. BROADWAY 8408 SO. BROADWAY 8708 S. BROADWAY CITY 8408 S. BROADWAY PIR.			8406 SO. BROADWAY
<b>MISSION BELL</b> 733 VENICE <b>PETER PAN RADIO CO.</b> 1487 W. ADAMS MODELS  <b>TROJAN FACTORIS PACIFIC RADIO CO.</b> REMINGTON A.T. 1477 W. ADAMS <b>ROYALE RADIO MFG. CO.</b> 1417 W. PICO  <b>WESTONE RADIO</b> 1479 W. ADAMS CORP. See NOV. RADIO MFG. 1932 started by NOV 1932 <b>KELLER-FULLER</b> Sheldon <b>PACKARD BELL</b> 1320 SO. GRAND  Willard Radio	LISTED L.A. CITY DIR FOR 1933 1931-32 20, 22, 27, 34, 45, 47, 50, 55, 55-CM, 57, 60, 80 mod 44 (PIX) RR AD 246 1934 CHICAGO RR, SEPT 35 → 63A 1417 W. PICO. 6T RR → 53A RADIO BOWL R.Q. MAY 16 BOB HURLBERT  20, 34-4, 34-5, 40 84 RIVERS 8-3 5914 S. WESTERN 5914 S. WESTERN  A-5 4734 57345 RR SEPT 34 L.A. CITY DIR →	4, 6 37, 740, 45, 56 "R. Lamm" "Is possible" 1787 W. ADAMS (R. Shelly 1891 S. Flower) become wholesaler by 1936 L.A. Dir.	8406 1/2 SO. BROADWAY 8408 SO. BROADWAY 8408 SO. BROADWAY 8708 S. BROADWAY CITY 8408 S. BROADWAY PIR.			1728 VENICE
<b>TRAY</b> 1144 S. OLIVE <b>WILLARD RADIO</b> Nov 22, taken over by G.B. Radio Nov 32 started Mar 33						3681 SO. SAN PEAR PARAMOUNT LINE 2218 S. HOOPER 2214 S. HOOPER OCT. 35 MR. BURN'S, MCK 1487 W. ADAMS 1477 W. ADAMS 874 W. ADAMS RR DEC 34 CHICAGO J. Stokes net 2313 W. PICO 1417 PICO, JUL 2513 SO. La Sabl NOV-32 4957 SUNSET RR SEP-34 L.A. CITY DIR.



W. L. & C. Co. Ltd.

6X4-50

GA

43A-2000





COMPANY  
(1) BRETING

ADDRESSES  
(1) 2117  
2777 VENICE  
(2) 1815 VENICE

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC  
UNLIC.

PUB.  
SOURCE

BRETING (12)

R/9 NOV-35

P.J. Breting  
L.A. Directory  
of 1935

Leonard  
Casson  
interview







274  
652 Δ  
MADE IN  
U.S.A.

DESIGNED & ENGINEERED BY  
**CHANTICLEER RADIO CO.**  
MANUFACTURERS  
1728 VENICE BLVD. LOS ANGELES, CALIF.  
MODEL VOLTS CYCLES WATTS SERIAL  
370 110-120 50-60 55 1025  
\*Licensed Under Patents of  
RADIO CORPORATION of AMERICA  
HAZELTINE AND LATOUR CORPORATIONS  
SEE LICENSE NOTICE INSIDE



COMPANY (1) CHANTICLEER RADIO CO. (1) 1728 VENICE  
 (2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/UNLIC.	PUB. SOURCE
75	(7) 6A7			TUBE COMP. - SYL. 1937 - P46
570	(5)			
650	6 & 6K7			
672				
	5 tubes	CHANTICLEER SET STOLEN		JUL, 34, TECH. P10
		CHANTICLEER FRENCH FOR ROOSTER		
INCA CATALOG		Ralph Hamer be- lieves Breting owned this co. in the late 30's Did he own it in 1933?		
450-550 570 600 670 750 950 1050 1150				

670 6K7, 6A8, 6A6, 6F5  
 6F6, 80 S/N 1025

GILFILLAN 1935  
 63B-63-X Riders

late  
3502367

Phil Burt called 7-22-93  
 remembers 1815 on nameplate  
 of Chanticleer set.

COMPANY

ADDRESSES

(1) CUSTOM BUILT RADIO MFG. CO (1) 4955 HOLLYWOOD BLVD

(2) 4453 WHITTIER BLVD (35) R.R

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNUC.	PUB. SOURCE
CROWN	4 } MIDGET - 6 } TRF CONSOL.			RADIO, JAN 33 P 23
CROWN	6 TUBES - AUTO			R.R. APR. 33 P 30

COMPANY  
(1) DAVIDSON HAYNES

ADDRESSES (39 L.A. DIR.)  
(1) 1730 VENICE  
(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNUC.	PUB. SOURCE
SUPLR	(5) (7) (7) CONSOLE (9)			RADIO JAN 33 P 19, P 23

5 Lab

DUNN HALL

- 51
- 53
- 353
- 354
- 364

C-69 XFORMER

INCA CAT  
1138-37  
P7

OK

COMPANY

ADDRESSES

(1) EL REY RADIO MFG. CORP (1) 8408 S. BROADWAY

(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNLIC.	PUB. SOURCE
12	58, 57, 47, 80 TRF	← ALSO MODELS 10, 15 } SUPERS	LIC	R.R.P. 21, OCT. 33
14	2-57, 47, 80			
25	3-58, 56, 55, 47, 80			
A	} AUTO			
B				
C				
30	SUPRA 58, 57, 56, 47, 80			RADIO, JAN 33, P 24 " FEB 33, P 14
C	6E7, 6D6, 75, 47, 80	5 BANDS - AUTO RADIO		RR APR 35, P 30
S				RR MAY 35 P 6
644	6A 74D <sup>6</sup> (2), 75, 47, 80			RIDERS 6-3
INCA CATALOG 845				
		EL REY LICENSED BY RCA L.E. FOLG, Mgr.		Radio Dec 32 P 75

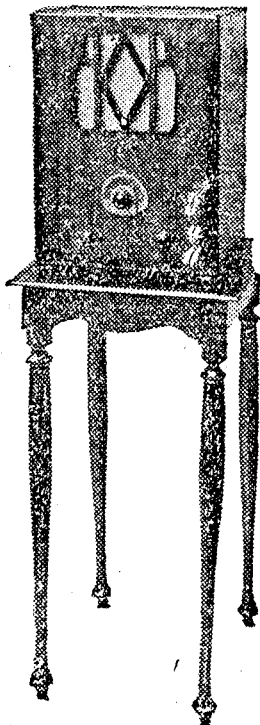
# EL REY

## The KING of 1933 RADIO

This new four-valve set gives wonderful reception in any locality. The latest six-pin valves make it equal to any five-valve set.

Supplied with full dynamic speaker, the of El Rey Radio is marvellous—automatic tone control cuts out excess vibrations and gives absolute natural reproduction of the human voice; it produces full volume without distortion.

All New Zealand and most Australian stations are reported by customers—it positively separates the two local Wellington stations. Here at last is outstanding performance coupled with amazing value!



### FREE WITH EVERY EL REY RADIO

**A BEAUTIFUL TABLE** To introduce this wonderful new set, we are giving FREE to every buyer a beautiful table stand as illustrated.

#### NO DEPOSIT

**£13/19/6** Terms

**£11/19/6** Cash

El Rey offers you modern, efficient Radio at the price you have been waiting for. You can have El Rey in your own home without deposit, and on very liberal terms.

## ROYAL RADIO SUPPLIES

43 WILLIS STREET, WELLINGTON. PHONE 42-609

*Send  
his  
coupon  
to-day*

Please send further full particulars of your El Rey Radio Offer, and how I can avail myself of it.

Name .....

Address .....

.....

J. W. STOKES  
281-C Hillsborough Road,  
Mount Roskill,  
Auckland 4, New Zealand

15 Jan. 1993

Dear Floyd

Thanks for your last two letters and  
the photo of the Mahattan speaker

I don't have any minor LA mfr's  
sets I can photograph, nor do I  
know anyone here who has.

I did find an ad for a 1933 El Rey  
which I have enclosed.

Of all the minor mfrs on your list  
I have seen only three - Crown  
(Custom Built Radio Co), El Rey and  
Radiette (Keller-Faller), but there are  
all pre-1933.

Good luck with your article

Sincerely  
John







COMPANY

ADDRESSES

(1) GILFILLAN

(1)

(2)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC.  
UNLIC.

PUB.  
SOURCE

TRADE NAME MODEL	TUBES	KEY NAMES	LIC. UNLIC.	PUB. SOURCE

# WESTERN AIR PATROL

IDENTIFICATION ON BARK OF CHASSIS

"MODEL 2 68-88638" { stamped into metal

ON LICENSE STICKER: # 295561

5 Tube plus tuning eye.

Line-up :

- 6K8 - osc./mix.
- 78 - IF
- 75 - Det-AVC- AF amp.
- 41 - Output
- 80 - Rect.
- 6U5 tuning eye.

6 push buttons  
vertical dial

band switch and vol. control on front  
tuning control on side.

Fred Herbert  
1157 Jean Court  
Marysville  
Ca 95901



1815 Venice Blvd. + Los Angeles  
GILFILLAN BROS., Inc.

Manufactured by

BRILL TUNING CO.  
1016 JACKSON ST.  
Tempehast 6141

Model	Tubes	Cabinet	Size - Inch.	METER RANGE	SHIPPING WEIGHT
24	1-57 1-80 1-47 1-38	Midget	9 7/8 x 7 x 12 1/2	75 to 550	14 lbs.
24B	1-57 1-2A5 1-38 1-82	Compact	9 7/8 x 5 x 6 3/4	75 to 550	7 lbs.
25M	2-57 1-80 1-38 1-47	Midget	12 1/2 x 8 3/4 x 14 1/2	75 to 550	16 lbs.
25C	2-57 1-80 1-38 1-47	Console	11 7/8 x 21 36 3/4	75 to 550	43 lbs.
27B	1-57 1-80 1-38 1-2A5	Midget	14 1/2 x 9 1/4 x 18 1/2	15 to 575	25 lbs.
55B	1-43 1-25 2-77 1-44	Compact	10 3/4 x 5 1/4 x 7 3/4	175 to 550	8 lbs.

### GILFILLAN RADIOS

Important Specifications

Radio's Richest Tone

# RADIOS

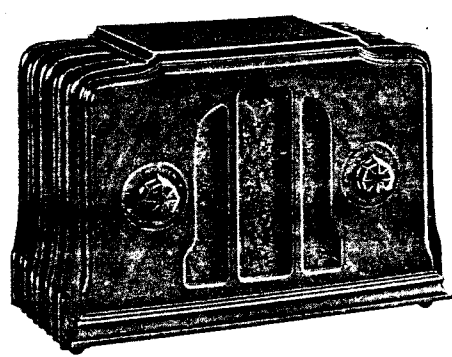


# Gilfillan

# Gilfillan

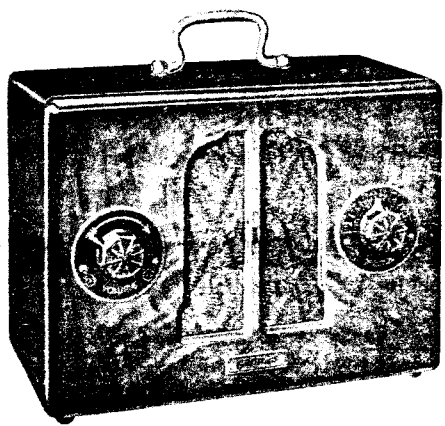
## COMPACTS

*Artistic in Design* — *Small and Portable*



MODEL 55B

A very attractive DeLuxe Model, designed for maximum efficiency. Equipped with 5 tubes, 1-43, 2-77, 1-44, 1-2525. Dynamic speaker. Superheterodyne circuit. Very selective and sensitive. May be used on either 110 volt AC or DC current.



MODEL 24B

Extremely compact four-tube receiver, using 1-57, 1-58, 1-82, 1-2A5 tubes. Cabinet highly finished burled walnut. Equipped with handle on top of cabinet. Dynamic speaker. Kilocycle dial. For use on 110 volt AC current only.

DESIGNED TO MEET EXACTING RADIO NEEDS







GILFILLAN 1104 ?  
5 TUBE SUPERHET

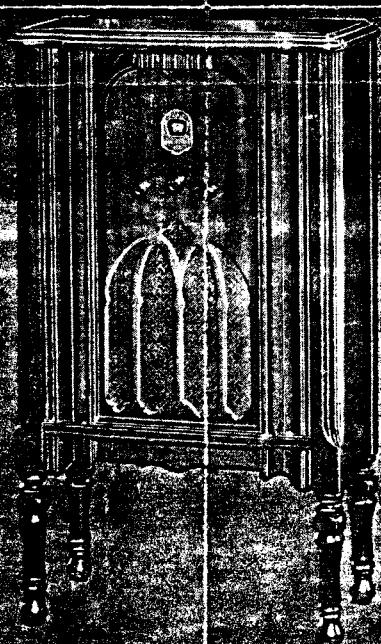
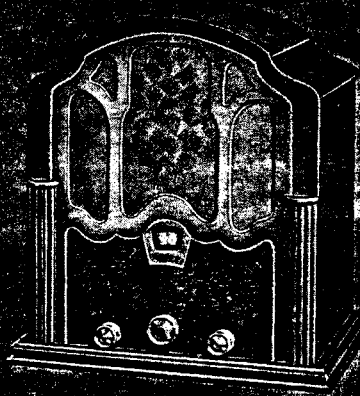
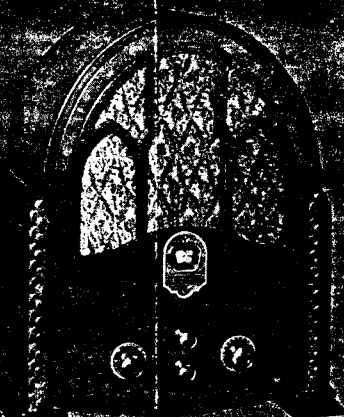
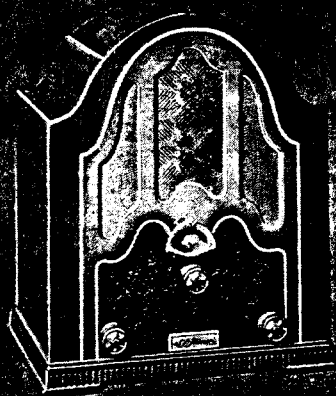
*Gilfillan*



**RADIOS**

*The most attractive  
in design*

*The most satisfactory  
in operation*



**MODEL 75C**  
Power  
dynamometer  
signal  
circuit  
control

Volume Control  
Extremely sensi-  
tivity resulting from use of  
high gain coils and three gang  
condenser. Long and short  
wave 75-550 meters. KFI

**P**ICTURED above you will find the very latest Gilfillan models all built to the most exacting specifications as to circuit, materials and workmanship. Pacific Coast reception has always presented problems to the radio manufacturer. Gilfillan Bros., with their main plant located on the Coast, understands these problems and their engineers have included in these latest models all of the most recent developments. You will find a "Gilfillan" very attractive in appearance, and at prices in keeping with the times.

**BUILT IN THE WEST for WESTERN RECEPTION**





Small, illegible label on the lower front panel of the speaker cabinet.

H. Ralph:

5-6

One interesting aspect of publishing is one gets unsolicited letters on the subject matter. Here is the latest. -

I believe you once said "Golden Bear" was a marketing name used by Buting? or Gilfillan?

Floyd

FLOYD,

5-1-89

ENCLOSED IS A LIST  
OF THE MAGS THAT I  
HAVE FOR SALE. ALSO I AM  
SENDING A PICTURE OF  
MY "GOLDEN BEAR" MIDGET  
RADIO. THE TAG ON THE INSIDE  
SAYS IT WAS MADE BY THE  
GOLDEN BEAR RADIO MFG CO  
L.A., CALIF. HAVE YOU ANY  
INFORMATION ON THIS  
SET? THE SET IS  
A TUBE WITH A LARGE  
5 IN SPEAKER. I HAVE  
REFINISHED THE CABINET,

SET PLAYS OK, BUT HASN'T  
BEEN GONE THRU.

ALSO, I HAVEN'T EVER  
SEEN ANY BRIGHTSON BLUE  
BUT IF I DO I'LL LET  
YOU KNOW.

BY FOR NOW,  
Bill?

Rock Island  
11/6/12

ARC?

? ? ?



MANUFACTURED IN AMERICA  
RADIO SHOCK  
13214

13214



WOOD



Golden Bear



1 shot some  
photos of this  
set on front step  
oct - 94 -

11-4-94

R.R.T. 1 Box 204 F

Santa Fe N.M. 87501

H. Floyd,

I recapped the "Golden  
Bear", and it works great.  
The radio has a switch on  
the back for short wave or  
police band, no calibration  
on dial for this band.

Gilifillan Riders 5-3  
Model 5 T, 32, 35, 41 listed 1934-35

Gilifillan Riders 6-8  
Model 6-8 listed 1934-35

Yellow  
hair  
6-7  
mission

2.  
5N18240

Tubes 57, 58, 2A6, 2A5, 80

I.F. 175 KC

B.c. Band 525 Kc - 1745 Kc

Police Band 1260 Kc - 3760 Kc

Tone Control

Over )



P.S. Congratulations on  
having your picture in  
ARC.

13's

Dan

COMPANY  
(1) GOLDEN BEAR MFG. CO. (1)

ADDRESSES

(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC. UNLIC.	PUB. SOURCE
	43A G.B. Riders 6-2	I.D.'s NAME RMA of So. Calif. GOLDEN BEAR MFG. CO.		"TECH" MAG. JUL 34, P. 13
(1) HARRIS	MANUFACTURING CO.	(1) 2422 W	1744	
C	5Z4, 6A8, 26F6 ETC	1935?		SYL. TUBE COMP. P 88
500 600/700	(2) 5Z4, 6A5, 6A7, 6A8, 26F6 P.P.	1935?	RADIO/PHONO SW.	
501W		1935?		
800	(6A7) 25A6-PP.	1936 MODEL	HAD BUILT IN PHONO	
900		1935?		
1000	6A7 (Jan 36 tube) 25A6-PP	1936 MODEL	HAD BUILT IN PHONO	
1201W	I.F. PEAKS	RADIOS IN RIDERS ALL PUSH PULL		

SAME SCHEM  
500  
600/700  
501W  
800  
900  
1000

OTHER SCHEMATICS - (3) WERE AUDIO AMPS

1201W 1936 37?

Might have been in business 1 or 2 years

same chassis by Riders?

19 models

C, 500, 600, 700, 501W, 701W, 1201W, 900

800 & 1,000 appear to be (no XFORMER) 115V worth of bid.

6 were amps. A, B, 100, 200, 300, 400

1933-34-35

COMPANY HERBERT H.  
(1) HORN, CO.

ADDRESSES

(1) 1201 SO. OLIVE

(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNUC.	PUB. SOURCE
102 110	} CONSOLES (7)			RADIO P19, JAN 23
116 132A 132B	7 TUBES			RR MAR 34 P31

P31 \* \* \* AUG 1, 35

Mr. Lombard J. Smith, Factory Representative, announced that the Herbert H. Horn Company of 1201 South Olive Street Los Angeles has been appointed a distributor for the Utah-Carter line of radio parts and speakers. The Horn Company now has a complete line in stock.

\* \* \* R.D.

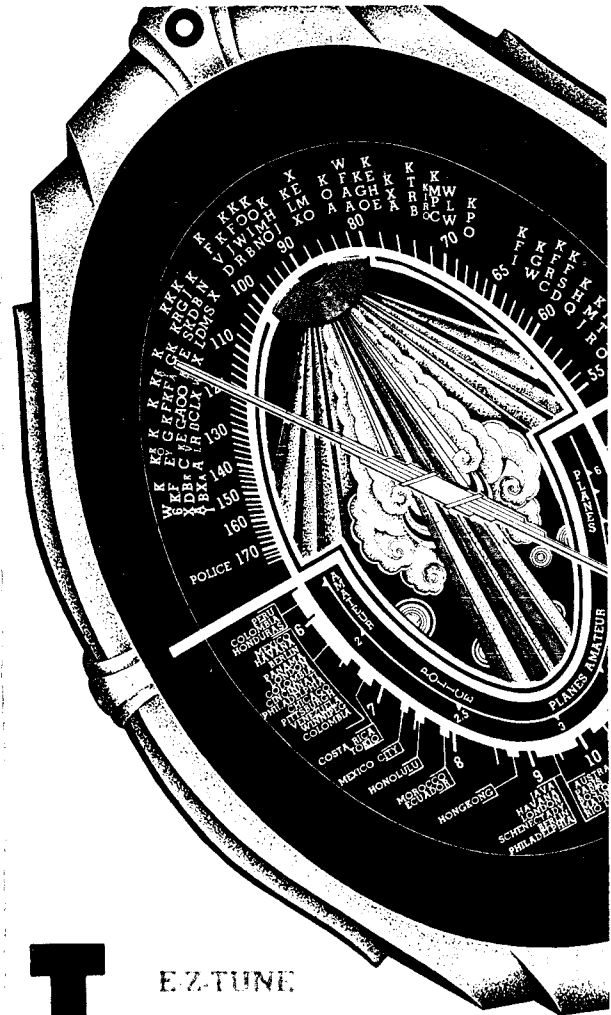
Tiffany-Tone

# SPECIFICATIONS

Beautiful Radios

MODEL	TUBES	Power Supply	BANDS	RANGE	SPEAKER	A V C	Tone Control	MAGIC BEACON	E Z Tune Dial	CABINET SIZE H W D	Finish	TYPE	Price
51	6A7, 6D6, 75, 42, 80	110V-AC	2	KC 550-4500	5"	Yes	2 point	No	Yes	8 1/4 x 13 1/2 x 9 1/2	Walnut	Compact	22.95
52	6A7, 6D6, 75, 42, 80	110V-AC	2	KC 550-4500	6"	Yes	Variable	No	Yes	9 1/4 x 15 x 7 1/2	Walnut	Compact	26.95
5MB	6A7, 6D6, 75, 42, 80	110V-AC	2	KC 550-4500	5"	Yes	2 point	No	Yes	8 1/4 x 13 x 8 1/2	Antique Blue Mirror	Compact	
5MW	6A7, 6D6, 75, 42, 80	110V-AC	2	KC 550-4500	5"	Yes	2 point	No	Yes	8 1/4 x 13 x 6 1/2	White Silver Mirror	Compact	31.95
62	6A8G, 6K7G, 75, 6F6G, 5Y3, 64-23	110V-AC	2	KC 550-1720 6-18-MC	6"	Yes	Variable	No	Yes	10 1/4 x 16 1/2 x 8 1/4	Walnut	Compact	31.95
63	6A8G, 6K7G, 75, 6F6G, 5Y3, 64-23	110V-AC	3	550 KC to 18MC	6"	Yes	Variable	No	Yes	10 1/4 x 16 3/8 x 8 3/8	Walnut	Compact	36.95
83	6A8, 6K7, 6H6, 6J7, 6F6, 5Y3, 6G5, 64-23	110V-AC	3	550 KC to 18MC	6"	Yes	Variable	Yes	Yes	10 1/2 x 17 1/2 x 8 7/8	Walnut	Compact	42.95
51C	6A7, 6L6, 75, 42, 80	110V-AC	2	KC 550-4500	5"	Yes	2 point	No	Yes	36 1/2 x 21 3/8 x 10 7/8	Walnut	Console	34.95
52C	6A7, 6D6, 75, 42, 80	110V-AC	2	KC 550-4500	9"	Yes	Variable	No	Yes	37 x 21 x 13	Walnut	Console	42.95
73C	6A8G, 6K7G, 75, 6F6G, 5Y3, 6G5, 64-23	110V-AC	3	550 KC to 18MC	12"	Yes	Variable	Yes	Yes	38 3/4 x 23 1/2 x 12	Walnut	Console	57.95
83C	6A8, 6K7, 6H6, 6J7, 6F6, 5Y3, 6G5, 64-23	110V-AC	3	550 KC to 18MC	12"	Yes	Variable	Yes	Yes	38 3/4 x 25 1/2 x 13 1/4	Walnut	Console	69.95
10 MTC	6K7, 6C5, 6L7, 2-6K7, 6H6, 6J7, 6F6, 5Y3, 6G5	110V-AC	5	550 KC to 44MC	12"	Yes	Variable	Yes	Yes	41 1/2 x 24 1/2 x 15 3/4	Walnut	Console	109.95
17 MTC	6K7, 6C5, 6L7, 2-6K7, 2-6H6, 3-6C5, 6K7, 3-6F6, 2-5Y3, 6G5	110V-AC	5	550 KC to 44MC	12"	Yes	Variable	Yes	Yes	41 1/2 x 24 1/2 x 15 3/4	Walnut	Console	149.95
73PR	6A8G, 6K7G, 75, 6F6G, 5Y3, 6G5, 64-23	110V-AC	3	550 KC to 18MC	12"	Yes	Variable	Yes	Yes	41 x 24 x 16	Walnut	Console	94.95
537	6A7, 6D6, 75, 42, 84	6V-Auto	1	KC 550-1600	5"	Yes	No	No	No	7 1/4 x 10 3/4 x 8 1/4	Crackle Brown	Auto Radio	29.95
538	6A8G, 6K7G, 75, 6F6, 84	6V-Auto	1	KC 550-1600	5"	Yes	Variable	No	No	7 1/4 x 10 3/4 x 8 1/4	Brown Suede	Auto Radio	32.95

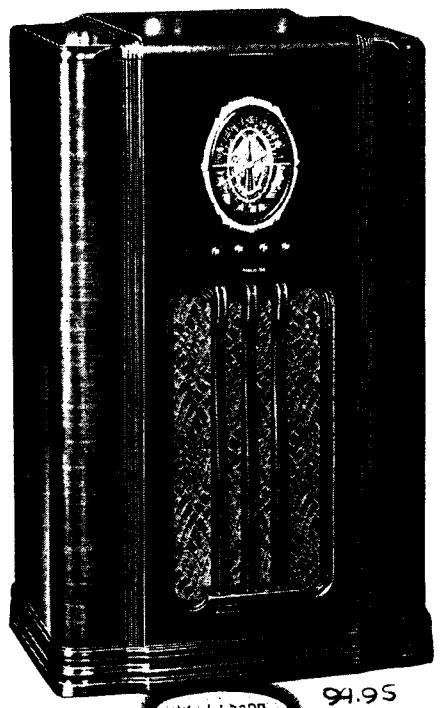
HERBERT H. HORN RADIO MFG. CO.  
1201 South Olive St. • Los Angeles, Calif.



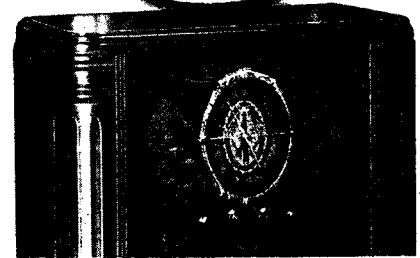
E Z-TUNE  
**TIFFANY-TONE**

1-25-43  
1205 SOMERSET WAY E  
FROM MICHAEL FLOTT  
DAMEL IND 46033  
1932 1 372

# YOUR DOLLAR GOES FARTHER WITH TIFFANY-TONE



Model 73PR 94.95



TIFFANY-TONE Auto Radios are also leaders in design and performance. Such features as automatic volume control, non-glare tuning dial, dash panels to match late model cars, single bolt mounting are included. All models employ a special noise eliminating circuit which eliminates the need of spark plug suppressors.

Cabinets are of round-cornered heavy metal. The



Model 537 is finished in brown crackled finish. The DeLuxe Model 538 is finished in a durable suede—a rich lustrous tan in color. Tone control and sockets adaptable for the new metal type tubes are among additional quality features of this model.

Overhead speakers are available on all models at slight additional cost. For metal tube equipment specify 538MT.

537 - 29.95

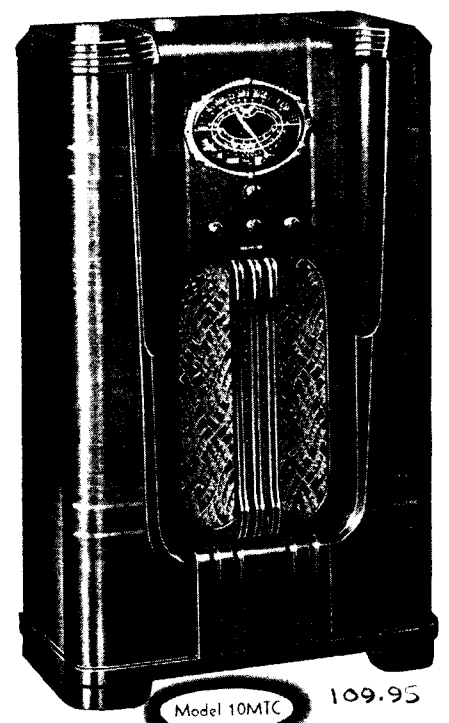
538 - 32.95

Again TIFFANY-TONE gives you the MOST FOR YOUR RADIO DOLLAR. Many exclusive features as well as a number of other features heretofore found only in the very highest priced radio receivers. For instance:

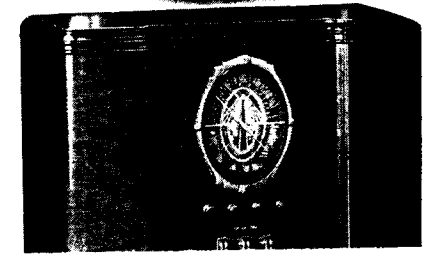
The new and exclusive E-Z-TUNE DIAL tunes by station call letters. Find your favorite station without having to consult a log book to find the kilocycle number.

TWO SPEED TUNING enables you to find and bring in shortwave stations.

MAGIC TUNING BEACON, by means of the cathode ray tube, tells you when the station has been properly and accurately tuned.



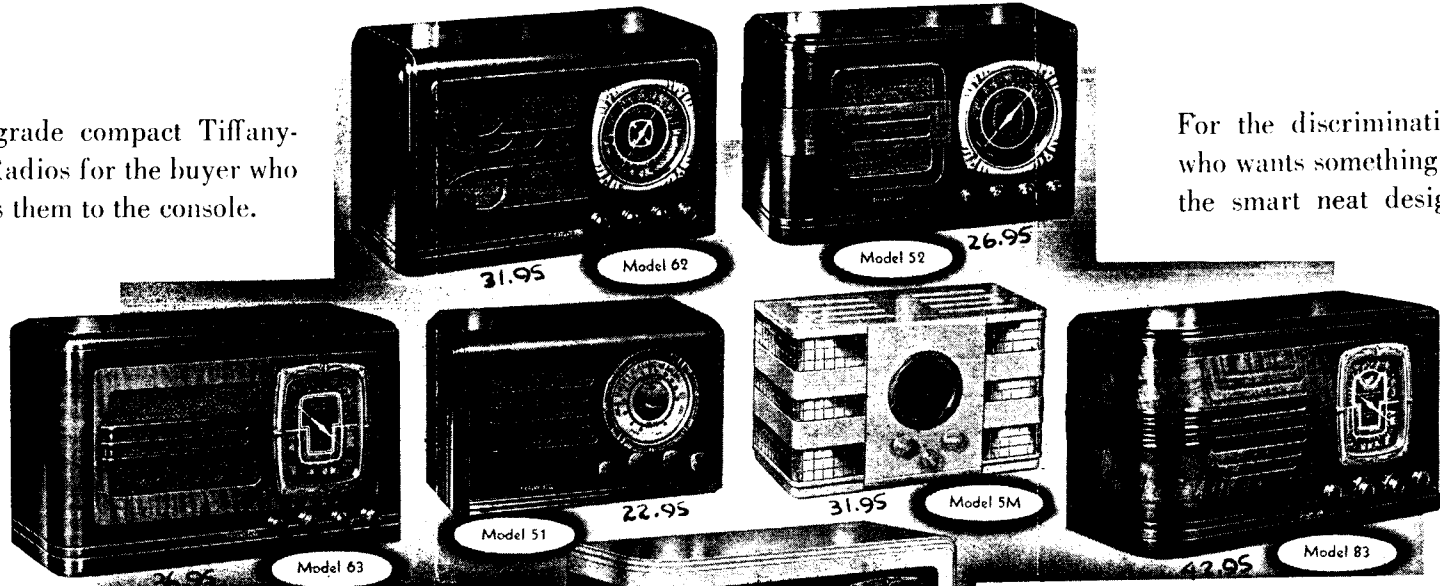
Model 10MTC 109.95



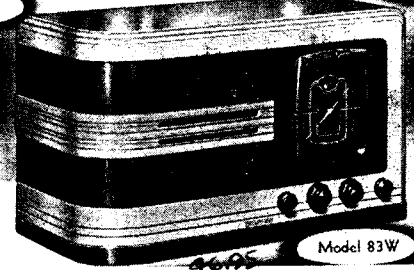
# THE MOST RADIO FOR THE LEAST MONEY

High grade compact Tiffany-Tone Radios for the buyer who prefers them to the console.

For the discriminating buyer who wants something different, the smart neat design of the



A very complete selection from the small Model 51, a 5-tube superheterodyne with automatic volume control, shortwave reception and E-Z-Tune dial, to the deluxe Model 83, an all-wave receiver, having oversize speaker, E-Z-Tune dial, magic beacon, 50 to 1 ratio tuning for shortwave work, as well as many other quality features. The cabinet is of new modern curved-end type, finished in American and imported walnut.



5 MW and the 83W will meet with immediate approval.

All Tiffany-Tone Radios are designed by our engineering department and every part must come up to its rigid requirements before it can be used in the manufacture of these high quality radios. We operate our own cabinet factory where the cabinets for Tiffany-Tone Radios are manufactured to exacting specifications as to material and construction design.

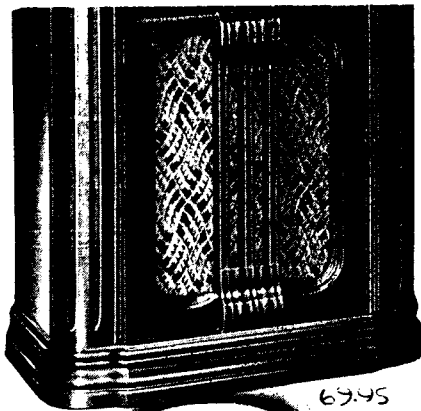
See Specifications on Back Cover

**HERBERT H. HORN**

Los Angeles, Calif.

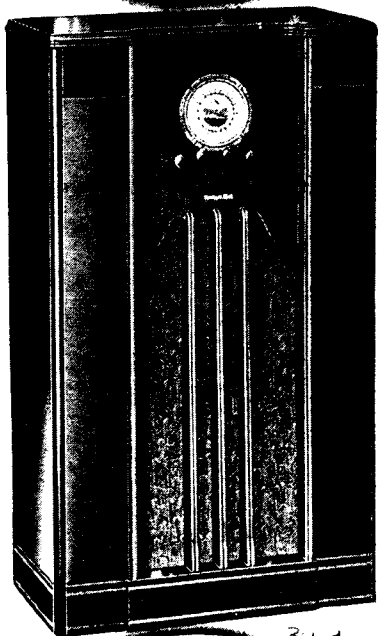
Licensed Under R. C. A., Hazeltine and Latour Patents

Printed in U. S. A.



Model 83C

69.95



Model 51C

34.95

LARGE OVERSIZE SPEAKERS are used in console models.

NEWEST METAL TUBES are used which enable you to get the maximum performance from your radio.

FOREIGN RECEPTION—You do not need to be a technician to tune in shortwave stations on a Tiffany-Tone. The 50 to 1 ratio of the tuning knob makes it easy for anyone to play shortwave stations.

CABINET CONSTRUCTION of the finest quality. American and imported woods are used to their best advantage. Cabinets are so constructed as to withstand the most severe climatic conditions.

*For exact specifications on any model consult specification table on cover page.*

The efficiency of any radio receiver can be improved by the use of the Tiffany-Tone Stratosphere Antenna. Reduces static and interference. Contains wire for antenna soldered into impedance matching transformer, 75 feet of transposed lead-in, set-matching unit and the insu-

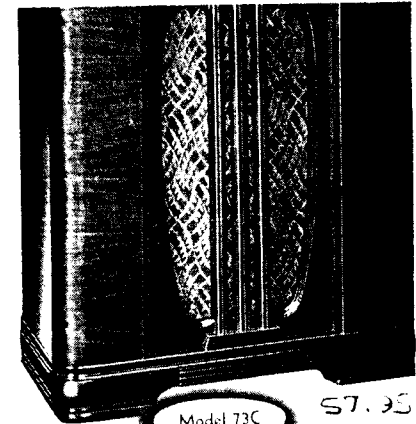


lators. All connections are made so it is only necessary to erect the antenna and connect to the receiver.

Get the most service from your Tiffany-Tone Radio by using a genuine STRATOSPHERE ANTENNA.

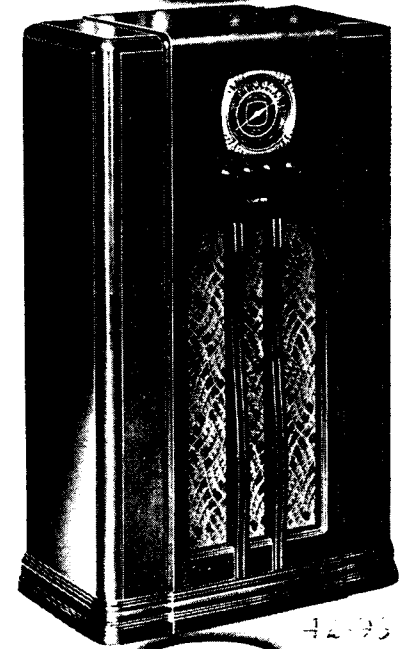
**Stratosphere Antenna \$4.95**

**E-Z-Tune Antenna \$3.50**



Model 73C

57.95



Model 52C

42.95

11:00—The Three Flats .....	KFI
P.M.	
12:15—Drury Lane .....	KNX
3:30—Cheerio Boys .....	KFOX
4:30—The Grenadiers .....	KHJ
4:30—Meredith Willson's Orchestra .....	KECA
5:30—Brick Holton, piano .....	KHJ
6:30—Night Singer .....	KHJ
7:00—Joe Sullivan, piano .....	KFWB
7:30—Sons of the Pioneers .....	KFWB
9:00—Richard Himber's Orchestra and Vocalists .....	KFI

DANCE ORCHESTRAS

P.M.	
1:30—Pontrelli's Orchestra .....	KNX
6:00—Wayne King's Orchestra .....	KHJ
8:30—Henry Busse's Orchestra .....	KFWB
8:30—Joy Lee and Orchestra .....	KMTR
9:00—Keith Beecher's Orchestra .....	KHJ
9:30—Floyd Towns Orchestra .....	KHJ
10:00—Perez Orchestra .....	KFAC
10:15-11:30—Dance Orchestras .....	KHJ
10:30—Les Hites Orchestra .....	KFAC
10:30-12:00—Dance Orchestras .....	KFI
10:30-12:00—Dance Orchestras .....	KFWB
10:30-12:00—Dance Orchestras .....	KFOX
10:45—Pontrelli's Orchestra .....	KNX
11:00—Joe Marenga's Orchestra .....	KFAC

Tuesday, May 21 and 29

DIAL TIPS FOR TODAY

P.M.	
5:30—Ed Wynn .....	KFI
5:00—Bing Crosby .....	KHJ
6:00—Theater of the Air .....	KFI
6:00—Walter O'Keefe .....	KHJ
7:30—Calling All Cars .....	KHJ
8:00—Ben Bernie .....	KFI
8:30—Death Valley Days .....	KFI

DRAMATIC SKETCHES

A.M.	
7:45—Mary Marlin .....	KHJ
8:30—Five Star Jones .....	KHJ
10:00—Marie, the Little French Princess .....	KHJ
10:15—Helen Trent .....	KHJ
10:30—Martha Meade Society .....	KFI
10:30—American School of the Air .....	KHJ
11:30—Ma Perkins .....	KFI
P.M.	
12:00—Betty and Bob .....	KFI
5:00—Red Trails .....	KFI
7:30—Calling All Cars .....	KHJ
7:45—The Average Family .....	KFWB
7:45—The Audience Decides .....	KFOX
8:30—Death Valley Days .....	KFI
9:00—Crime Clues .....	KFWB

COMEDY SKETCHES

A.M.	
11:15—Vic and Sade .....	KFI
P.M.	
4:45—Easy Aces .....	KFI
6:30—KFOX School Kids .....	KFOX
6:30—Lum and Abner .....	KNX
7:00—Frank Watanabe and the Honorable Archie .....	KNX
7:00—Eb and Zeb .....	KFOX
7:00—Amos 'n Andy .....	KFI
7:15—Tony and Gus .....	KFI
7:30—The In-Laws .....	KNX

ADVENTURE SERIALS

P.M.	
6:00—Jack Armstrong, All-American Boy .....	KNX
6:45—Air Adventures of Jimmie Allen .....	KFWB
6:45—Air Adventures of Jimmie Allen .....	KFOX

6:45—Air Adventures of Jimmie Allen .....	KNX
7:15—Bobby and Betty .....	KFOX
7:30—The Boy Detective .....	KFOX

NEWS, STOCKS, and LOST AND FOUND

A.M.	
6:30—Opening New York Stock Market Quotations .....	KFI
6:45—Morning Headlines .....	KMTR
7:30—Opening N. Y. Stock Markets .....	KHJ
7:30—News and Stock Reports .....	KFAC
9:30—Press Radio News .....	KHJ
9:45—News .....	KNX
9:45—News .....	KFI
9:45—Press Radio News .....	KFOX
9:45—Press Radio News .....	KFWB
10:30—Lost and Found .....	KFAC
10:40—Globe Trotter .....	KFAC
11:30—"Press-Telegram" News .....	KFOX

P.M.

12:00—Lost and Found .....	KMTR
12:00—News .....	KNX
12:00—News .....	KFAC
12:15—News .....	KECA
12:30—News .....	KMTR
12:35—E. F. Hutton Exchange—New York Stocks .....	KFOX

1:00—Federal and State Market Reports .....	KFI
1:25—Stock Reports .....	KHJ
3:40—The Globe Trotter .....	KFAC
4:00—News .....	KFOX
6:00—The Globe Trotter .....	KFAC
6:00—News .....	KFOX
6:00—News .....	KFWB
6:00—News .....	KMTR
6:15—News .....	KECA
6:15—News .....	KNX
9:00—News .....	KMTR
9:00—News .....	KNX
10:00—Richfield Reporter .....	KFI
10:00—News .....	KHJ
10:00—Press Radio News .....	KFWB
10:00—News .....	KFOX
10:10—Voice of the Globe .....	KHJ

COMMENTATORS

A.M.	
8:00—Voice of Experience .....	KHJ
10:45—Carlotta, World Prediction .....	KMTR

P.M.

3:00—Rush Hughes .....	KFI
7:00—Ray de O'Fan .....	KFWB

WOMEN'S PROGRAMS

A.M.	
8:45—Julia Hayes .....	KFI
9:15—Jean Abbey's Shopping Tour .....	KFI
10:00—Ann Warner Chats With Her Neighbors .....	KFI
10:30—Mary Holmes .....	KNX
10:45—Wife Begins .....	KHJ
11:00—Marian Manners .....	KMTR

P.M.

2:00—Woman's Magazine of the Air .....	KFI
3:00—Feminine Fancies .....	KHJ
3:30—Fletcher Wiley .....	KNX

SPORTS

P.M.	
12:30—Major League Baseball Game .....	KNX
7:30—Sportcast .....	KFAC
9:30—Fights .....	KMTR

EDUCATIONAL PROGRAMS

A.M.	
7:15—Your Child .....	KFI
10:30—Between the Book-ends .....	KFI
11:15—County Medical Association Talk .....	KECA
11:45—Sarah Ellen Barnes on Concert Music .....	KECA

P.M.

12:30—U. C. Education Program .....	KHJ
12:45—Los Angeles City Hall Broadcast .....	KMTR

1:00—Civic Program .....	KFAC
1:30—Educational Talk .....	KFAC
1:45—City Hall Talk .....	KFWB
2:00—Americanism .....	KFAC
2:00—The Bookworm .....	KNX
2:15—U.S.C. Talk .....	KFOX
3:00—Hermes, the Story-teller .....	KECA
3:45—You and Your Government .....	KECA
3:45—Liberal Arts Series .....	KFI
4:15—Looks at Books .....	KHJ
4:30—Fire Department .....	KNX
4:45—World of Research .....	KNX
6:30—Liberal Arts Series .....	KECA
6:45—National Advisory Council .....	KHJ
7:00—Interviews .....	KMTR
7:15—Braille Institute .....	KECA
9:30—The University Explorer .....	KHJ

VARIETY AND MUSICAL COMEDY

A.M.	
8:30—Words and Music .....	KECA
11:00—Columbia Variety .....	KHJ
P.M.	
2:00—Happy-Go-Lucky Hour .....	KHJ
5:00—Ed Wynn, the Fire Chief .....	KFI
5:00—Bing Crosby .....	KHJ
6:00—Theater of the Air .....	KFI
6:00—Walter O'Keefe and Co. .....	KHJ
8:00—Antique Shop .....	KFOX

HILL-BILLY and COWBOY SONGS

A.M.	
7:00—Covered Wagon Jubilee .....	KMTR
10:00—Oklahoma Range Riders .....	KMTR
11:30—Lonely Troubadours .....	KFAC
P.M.	
1:45—Texas Rangers .....	KHJ
5:00—Stuart Hamblin's Gang .....	KMTR
5:15—Gold Star Rangers .....	KFWB
7:45—King Cowboy .....	KNX
9:00—Beverly Hill-Billies .....	KFAC
9:00—Beverly Hill-Billies .....	KFOX
10:00—KNX Dude Ranch .....	KNX

MUSICAL PROGRAMS (INSTRUMENTAL and VOCAL)

A.M.	
5:30—El Despertador .....	KFOX
7:45—Old Memory Box .....	KFI
8:30—Waikikians .....	KFI
9:15—Morning Musicales .....	KHJ
10:00—Army Band Concert .....	KECA
10:30—Song Recital .....	KECA
12:00—Poetic Strings .....	KHJ

P.M.	
12:15—Melody Masters .....	KNX
12:30—Concert Favorites .....	KECA
1:30—Biltmore Concert Quartet .....	KECA
2:00—Classic Hour .....	KECA
2:15—Bevanti-Martin Musicales .....	KFAC
2:30—Recordings of Eminent Pianists .....	KNX
3:00—Wilbur Hatch's Concert Orchestra .....	KNX
3:45—Three Brown Bears .....	KHJ
4:00—Haven of Rest .....	KNX
4:30—String Time .....	KECA
6:30—Fray and Braggiotti .....	KHJ
7:00—Inglewood Park Concert .....	KHJ
8:00—Viennese Nights .....	KFWB
9:30—Slumbertime .....	KFWB

POPULAR MUSIC

A.M.	
7:30—Edna Fischer .....	KFI
9:00—Oriental Gardens Orchestra .....	KFI
9:00—Mayfair Club Orchestra .....	KFI
9:30—Pair of Pianos .....	KFI
9:30—Charles W. Hamp .....	KNX
10:30—Ronny Landra .....	KFOX
11:00—June, Joan, Jeri .....	KFI
11:45—Dreams Come True .....	KFI

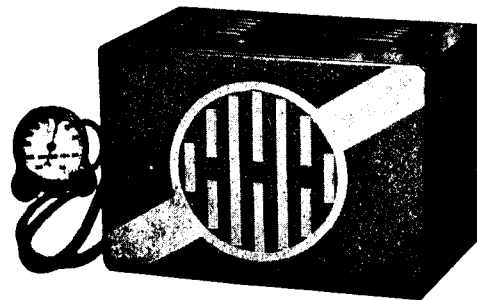
P.M.

12:15—Rue Tyler's Assorted Frets .....	KFAC
12:45—Cleo Brown, pianist .....	KHJ
2:15—Robert Mitchel .....	KMTR
4:00—Nell Mitchell and Frances Minerich .....	KMTR
5:00—Playtime Lady .....	KFWB
5:30—Hour of Charm .....	KHJ
6:45—Twilight Reveries .....	KFI
7:30—Sons of the Pioneers .....	KFWB
10:15—Kings Men .....	KFWB

DANCE ORCHESTRAS

P.M.	
7:00—Claude Hopkin's Orchestra .....	KHJ
7:30—Leo Reisman and Phil Duey .....	KFI
8:30—Henry Busse's Orchestra .....	KFWB
8:30—Dance Orchestras .....	KHJ
9:30—Mark Hopkin's Hotel Orch. .....	KFI
10:15-12:00—Dance Orchestras .....	KHJ
10:30-12:00—Dance Orchestras .....	KFWB
10:30-12:00—Dance Orchestras .....	KFOX
10:30—Les Hite's Orchestra .....	KFAC
10:45—Pontrelli's Orchestra .....	KNX
11:00—Oriental Gardens Orchestra .....	KFI
11:00—Joe Marenga's Orchestra .....	KFAC

TIFFANY TONE AUTO RADIO Model 535 \$25.80



The new Tiffany-Tone auto radios are now furnished with an escutcheon to match the instrument panel of any car. Or if you prefer you may have a handsome airplane style remote control on the steering post. Has the new dust-proof dynamic speaker and the tone is natural and free from noise.

This radio may also be obtained in a de luxe model. Has a chromium-plated front, tone control and a set of suppressors.

\$29.90 Complete, with Suppressors

HERBERT H. HORN MANUFACTURING CO.

1201 SOUTH OLIVE STREET

LOS ANGELES



COMPANY

ADDRESSES (1933 L.A. DIR.)

(1) KELLER - FULLER MFG CO. (1)

1573 W. JEFF.

(2)

4957 SUNSET (1934 L.A. DIR.)

TRADE NAME  
MODEL

TUBES

KEY NAMES

W/ UNIC.

PUB. SOURCE

A5

6A7, 6B7, 41, 2-58

SUPGR

TUBE COMP. SYC.  
1937 P96

4734  
53345

57, 58, 2A7, 30  
56, 57, 58, 2A7, 33

RADIOS 770 S  
address (#2)  
MIDGETS

RR SEPT 34, P. 35

RIDERS ~~W. 10~~  
VOL 3

TIME RANGE { 505, 70, 80,  
90, 120

IF PEAKS

Your Radio Sales Will Double With

# PARAMOUNT RADIO

**4 Tube Paramount** ..... Your Cost \$7.50  
Works on AC or DC—Built-in Aerial—High Gain Coils—Etc.

**5 Tube Paramount** ..... Your Cost \$8.95  
Works on AC or DC—Dynamic Speaker—Built-in Aerial—Etc.

**5 Tube Paramount (Aeroplane dial)** Your Cost \$9.45  
Also 6 and 10 Tube Models

-----o-----  
**COMPLETE PARTS STOCK AT NEW LOW PRICES**

**Transformers**  
**Speakers**

**Resistors**  
**Volume Controls**

**Condensers**  
**Sockets, Etc.**

## LOS ANGELES RADIO MFGS. STORES

944 South Broadway

Tucker 7326

Open every night until 9 o'clock—Sundays 12 to 6 p. m., for your convenience

### THE RADIO FELLOWSHIP

(Continued from page 7)

35 foreign countries. It has active membership of over 100 in Great Britain alone. Local clubs are formed known as Chapters in the large centers of population which operate under the parent organization at headquarters.

Recently the RADIO FELLOWSHIP was organized in the Hollywood, Beverly Hills, West Los Angeles district. Mr. Carl Haverlin of KFI, chairman of the By-laws committee, presented the by-laws at the first meeting on March 5th and after they were adopted, officers were elected. Mr. M. H. Ryder, of 250 Palms Drive, Beverly Hills, was elected Chairman, Mr. Howard V. Cote, of 144 Stanley Drive, Beverly Hills, was elected vice chairman and Frank D. Andrews, Secretary and Treasurer.

The objects and purposes of this organization are to first render constructive progress in radio and help to make it a more enjoyable utility; to aid in the instruction of how the average listener may better enjoy distant and foreign broadcasts and to publicize and further the education of the subject generally in support of books, standard broadcasts,

to further aid in these undertakings and to eliminate unnecessary radio interference; support radio scientists, engineers and technicians, and in a body contribute generally to the advancement of radio reception and inspire friendly relations and international good will.

Much thought has been given in the selection of a home and permanent headquarters for the RADIO FELLOWSHIP. One which will be of convenient access and yet a good radio receiving point removed from interference. A site has been selected which meets the requirements and funds have been raised to build and furnish the club buildings. These funds have been underwritten by the members themselves, no outside financial help being necessary.

Regular meetings are held on the first Tuesday of each month, but several features which will keep the club busy active every night are contemplated. Some of these will be code lessons, two a week and lessons in Spanish twice a week. Technical demonstrations will be given by leading to local authorities, and kindred visits from time to time. The organization invites to its weekly

1933-34-35

COMPANY

ADDRESSES

(1) LOS ANGELES RADIO MFG'S.

STORES

(1) 944 SO. 13 BROADWAY

1435 40

STORES

(2)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC/  
UNLIC.

PUB.  
SOURCE

PARAMONT

(11) MIDGET  
& CONSOLE

4  
5  
6  
10

RADIO JAN P21  
1933

MAY 1935 TECH P11

*changed name  
1932 and 1935  
between*

IN 1933 LOS ANGELES RADIO MFG. CO.

3 p.m. to 5 p.m.

9.57

1XK

Springfield, Mass.

Daily, 3 a.m. to 9 p.m.

31.3

25-A

11.75

GSD

Present

Dai

9 a.m. to 2:30 p.m.—8.00 to

**COMBINATION  
HOUSE AND AUTO R**

**MELBURN  
MODEL 32**

**\$31.50 List Price**  
R.C.A. Licensed

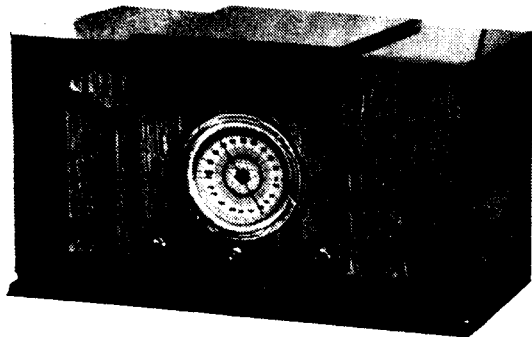
**HERE IS WHAT YOU HAVE  
WAITING FOR—**

Just think! A RADIO that v  
in your home or on a bo  
automobile, areoplane—anywh  
has 110V AC Electricity or  
Storage Battery (no other

needed.) Simply plug into your electric light socket or connect to your Automobile  
Battery and you will listen to the finest music you are used to in a radio.  
5-Tube SUPER-HETERODYNE 6A7 6B7 6C6 42 84 Automatic Volume Control Illuminat  
plane Dial Tone Control, Vibrator "B" Eliminator built in Magnavox Dynamic  
beautiful walnut cabinet. IDEAL SUMMER SPECIAL.

**MELBURN RADIO MFG. CO.**

**2218-16-14 SOUTH HOOVER STREET, LOS ANGELES, CALIF. — PHONE F**



31.3  
WJLB

London, England  
Tues., Thur., Sat., Sun.,  
3 p.m. to 5 p.m.

31.3

9.57  
WJLB

Springfield, Mass.  
Daily, 3 a.m. to 9 p.m.

31.3

35-MET-35

6 to 10 p.m.—11 p.m. to 1 a.m.

11.72  
CJRX

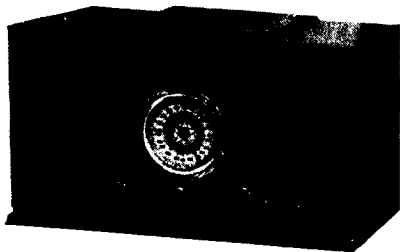
Winnipeg, Canada  
Sat., 7 to 12 p.m.—Sun., 3 to 1 a.m.

25.6

11.75  
GSD

Daventry, England  
Daily  
9 a.m. to 2:30 p.m.—8:30 to 10:30 p.m.

25.5



**COMBINATION  
HOUSE AND AUTO RADIO**

**MELBURN  
MODEL 32**

**\$31.50 List Price**  
R.C.A. Licensed

**HERE IS WHAT YOU HAVE BEEN  
WAITING FOR—**

Just think! A RADIO that will play in your home or on a boat, farm, automobile, aeroplane—anywhere that has 110V AC Electricity or 6 volts Storage Battery (no other batteries

needed.) Simply plug into your electric light socket or connect to your Automobile or Boat Battery and you will listen to the finest music you are used to in a radio.  
5-Tube SUPER-HETERODYNE 6A7 6B7 6C6 42 84 Automatic Volume Control Illuminated Aero-plane Dial Tone Control, Vibrator "B" Eliminator built in Magnavox Dynamic Speaker; beautiful walnut cabinet. IDEAL SUMMER SPECIAL.

**MELBURN RADIO MFG. CO.**

**2218-16-14 SOUTH HOOVER STREET, LOS ANGELES, CALIF. — PHONE PR-0702**

3 p.m. to 5 p.m.

9.57  
VIXX

31.3

Springfield, Mass.

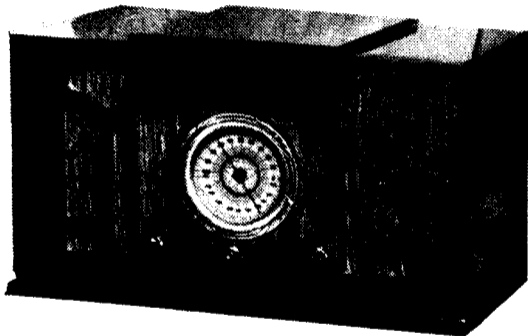
Daily, 3 a.m. to 9 p.m.

25-M

11.75  
GSD

1 cent  
Daily

9 a.m. to 2:30 p.m.—8:30 t



**COMBINATION  
HOUSE AND AUTO B**

**MELBURN  
MODEL 32**

**\$31.50** List Price  
R.C.A. Licensed

**HERE IS WHAT YOU HAVE  
WAITING FOR—**

Just think! A RADIO that  
in your home or on a boat,  
automobile, aeroplane—anywhere  
has 110V AC Electricity or  
Storage Battery (no other

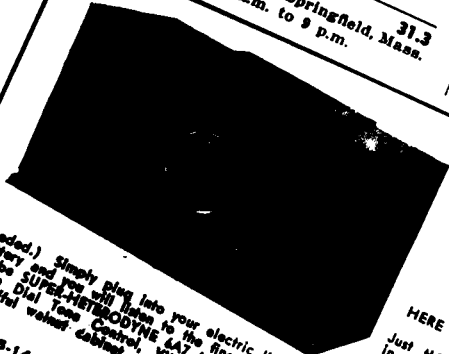
needed.) Simply plug into your electric light socket or connect to your Automobile  
Battery and you will listen to the finest music you are used to in a radio.  
5-Tube SUPER-HETERODYNE 6A7 6B7 6C6 42 84 Automatic Volume Control Illuminat  
plane Dial Tone Control, Vibrator "B" Eliminator built in Magnavox Dynamic  
beautiful walnut cabinet. IDEAL SUMMER SPECIAL.

**MELBURN RADIO MFG. CO.**

2218-16-14 SOUTH HOOVER STREET, LOS ANGELES, CALIF. — PHONE

Oslo, Norway	31.4	2 to 5 a.m.
Panama City, Panama	31.3	4:30 to 7 p.m.
Berlin, Germany	31.3	Daily ex. Sunday, 2 to 6 p.m.
London, England	31.3	Tues., Thur., Sat., Sun., 5 p.m. to 8 p.m.
Springfield, Mass.	31.3	Daily, 3 a.m. to 9 p.m.
Paris, France	25.6	Daily, 10:30 a.m. to 12 m.
Nizaki, Colon	25.6	1 to 3:30 a.m.
Winnipeg, Canada	25.6	2 to 7 p.m.
Daventry, England	25.5	6 to 10 p.m.—11 p.m. to 1 a.m.
Winnipeg, Canada	25.5	Sat., 7 to 12 p.m.—Sun., 3 to 1 a.m.
Daventry, England	25.5	9 a.m. to 2:30 p.m.—8:30 to 10:30 p.m.

U.S. AIRLINE RADIO



**COMBINATION  
HOUSE AND AUTO RADIO  
MELBURN  
MODEL 32**

**\$31.50 List Price**  
R.C.A. Licensed

**HERE IS WHAT YOU HAVE BEEN  
WAITING FOR—**  
Just think! A radio that  
in your home or on a  
automobile, airplane,  
has 110V AC Electric  
Storage Battery to  
connect to in

needed.) Simply plug into your electric light socket or  
Battery and you will listen to the finest music you are used to in  
E-Tube SUPER-HETERODYNE 4A7 6B7 6C6 42 84 Automatic Volt  
plane Dial Tone Control, Vibrator "B" Eliminator  
beautiful walnut cabinet. **IDEAL SUMMER SPECIAL.**  
**MELBURN RADIO**  
**2218-16-14 SOUTH HOOPER STREET, LOS ANGELES, CALIF.**

McKern

Model Number	Price (retail)	Type	Cabinet	Range in kc.	Power Supply	Dimensions H. x W. x D.	Tubes	Controls
<b>Long Radio Corp., 4111 4th Ave., Brooklyn, N. Y.</b>								
411P	179.00	Table	Wagon	140-1000	Univ.		6A7, 6DA, 6CA, 43, 12E3	Super.
401A	75.50	Table	Wagon	140-17,000	Univ.		6A7, 6DA, 6CA, 43, 12E3	Super.
11A3	40.50	Table	Wagon	140-17,000	AC		6A7, 5A, 2A5, 2A5, 50	Super.
40AP	30.00	Table	Wagon	240-17,000	AC		6A7, 6DA, 7B, 30, 80	Super.
121P	91.50	Phone Cabinet	Portable	140-17,000	Univ.		6A7, 6DA, 7B, 43, 12E3	Super.
40A		Table		140-17,000	AC		6DA, 6A7, 6DA, 7B, 2A5, 50	Super.
70UA	61.50	Table		140-17,000	Univ.		6DA, 6A7, 6DA, 7B, 43, 23E3	Super.
70AA	72.50	Table		140-22,000	Univ.		6DA, 6A7, 6DA, 6BT, 7A, 50, 2A5	Super.
80AC		Table		140-17,000	AC		5A, 2A7, 5A, 5A, 5A, 2A5, 2A5, 3E3	Super.
<b>Longboth Radio Mfg. Co., Adams, Mich. (Monop)</b>								
C-22	121.00	Table	Car case	150-1000	AC	7 1/2 x 8	7B, 77, 42, 80	T.R.F.
C-26	12.50	Table		145-2000	AC	15 x 2 1/2 x 8	17, 5A, 2A5, 2A5, 80	Super.
C-19	32.50	Table		145-2000	Univ.	15 x 2 1/2 x 8	1A4, 5A, 3A, 50, 10	Super.
L-1AW	19.50	Table	Console	145-20,000	AC	4 1/2 x 6 1/2	17, 7B, 7A, 7A, 42, 42, 80	Super.
AE-19	35.00	Auto.	Console	150-1000	AC	6 1/2 x 6 1/2	7B, 6A7, 7A, 7A, 42	Super.
<b>May Radio &amp; Refrigeration Corp., New Sh., at Morris Ave., Newark, N. J. (Ma)</b>								
T-35		Table	Console	1720-540	AC		6A7, 6DA, 7B, 5A, 40	Super.
C-35		Table	Console	1720-540	AC		6A7, 6DA, 7B, 5A, 40	Super.
T-35AD		Table	Console	1720-540	Univ.		6A7, 6DA, 7B, 43, 12E3	Super.
C-35AD		Table	Console	1720-540	Univ.		6A7, 6DA, 7B, 43, 12E3	Super.
T-48		Table	Console	1500-540	AC		6A7, 6DA, 7B, 42, 80	Super.
C-45		Table	Console	1500-540	AC		6A7, 6DA, 7B, 42, 80	Super.
T-45AD		Table	Console	1500-540	Univ.		6A7, 6DA, 7B, 43, 12E3	Super.
C-45AD		Table	Console	1500-540	Univ.		6A7, 6DA, 7B, 43, 12E3	Super.
T-47		Table	Console	1500-540	AC		6A7, 6DA, 6DA, 7B, 42, 80, 76	Super.
C-47		Table	Console	1500-540	AC		6A7, 6DA, 6DA, 7B, 42, 80, 76	Super.
T-49		Table	Console	1400-23,000	AC		6A7, 6DA, 6DA, 7A, 7A, 42, 42, 80	Super.
H-49		Highboy	Console	1400-23,000	AC		6A7, 6DA, 6DA, 7A, 7A, 42, 42, 80	Super.
<b>McMurry Silver, Inc., 3154 No. Paulina St., Chicago, Ill. (McMurry Silver)</b>								
Masterroom III	126.50	Table	*Chassis Only	150-23,000	AC	7 1/2 x 19 x 10 1/2	2A7, 5A, 5A, 2A5, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A, 5A	Super.
World Wide Nine	140.00	Table	*Chassis Only	140-23,000	AC	11 1/2 x 10 1/2 x 8 1/2	2A7, 5A, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A, 5A, 5A	Super.
Prof. 5A	124.50	Table	*Chassis Only	1500-23,000	AC	11 1/2 x 10 1/2 x 8 1/2	2A7, 5A, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A, 5A, 5A	Super.
*Several Cabinets available. Photograph available. *Speaker included in price but not in dimensions. †Has crystal filter.								
<b>McMurry Radio Mfg. Co., 2218 S. Hoover St., Los Angeles, Calif. (McMurry)</b>								
5	113.00	Table	100-600	*Univ.	6 x 6 x 9	12E3, 12A5, 6CA, 6DA	T.R.F.	
10	21.00	Table	150-1700	AC	10 x 6 x 8	17, 5A, 2A5, 80	T.R.F.	
15	24.95	Table	150-1700	AC	11 1/2 x 6 x 7	17, 5A, 2A5, 80	T.R.F.	
18	18.95	Table	150-1700	AC	6 x 6 x 9	17, 5A, 2A5, 80	T.R.F.	
20	16.95	Table	150-1700	AC	6 x 6 x 9	17, 5A, 2A5, 80	T.R.F.	
22	18.95	Table	150-1700	AC	6 x 7 1/2 x 11	17, 5A, 2A5, 80	T.R.F.	
27	27.50	Table	150-1700	AC	9 x 14 x 6 1/2	1A7, 5A, 5A, 2A5, 80	Super.	
*AC, DC or Battery								
<b>National Co., Inc., 61 Sherman St., Malden, Mass. (National)</b>								
(ACSW)	229.50	Table	*All wave	†AC	7 1/2 x 9 7/8	5A, 5A, 17	R.F. & Regen.	
(DCSW)	29.50	Table	*All wave	†DC	7 1/2 x 9 7/8	3A, 3A, 37	R.F. & Regen.	
(DCSW)	29.50	Table	*All wave	†Bat.	7 1/2 x 9 7/8	3A, 3A, 30	R.F. & Regen.	
<b>McMurry Silver, Inc., 3154 No. Paulina St., Chicago, Ill. (McMurry Silver)</b>								
Masterroom III	126.50	Table	*Chassis Only	150-23,000	AC	7 1/2 x 19 x 10 1/2	2A7, 5A, 5A, 2A5, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A	Super.
World Wide Nine	140.00	Table	*Chassis Only	140-23,000	AC	11 1/2 x 10 1/2 x 8 1/2	2A7, 5A, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A, 5A	Super.
Prof. 5A	124.50	Table	*Chassis Only	1500-23,000	AC	11 1/2 x 10 1/2 x 8 1/2	2A7, 5A, 2A5, 2A5, 5A, 5A, 5A, 5A, 5A, 5A, 5A	Super.
*Several Cabinets available. Photograph available. *Speaker included in price but not in dimensions. †Has crystal filter.								
<b>McMurry Radio Mfg. Co., 2218 S. Hoover St., Los Angeles, Calif. (McMurry)</b>								
10	21.00	Table	100-600	*Univ.	6 x 6 x 9	12E3, 12A5, 6CA, 6DA	T.R.F.	
15	24.95	Table	150-1700	AC	10 x 6 x 8	17, 5A, 2A5, 80	T.R.F.	
18	18.95	Table	150-1700	AC	6 x 6 x 9	17, 5A, 2A5, 80	T.R.F.	
20	16.95	Table	150-1700	AC	6 x 6 x 9	17, 5A, 2A5, 80	T.R.F.	
22	18.95	Table	150-1700	AC	6 x 7 1/2 x 11	17, 5A, 2A5, 80	T.R.F.	
27	27.50	Table	150-1700	AC	9 x 14 x 6 1/2	1A7, 5A, 37, 2A5, 80	Super.	
*AC, DC or Battery								
<b>National Co., Inc., 61 Sherman St., Malden, Mass. (National)</b>								
(ACSW)	229.50	Table	*All wave	†AC	7 1/2 x 9 7/8	5A, 5A, 17	R.F. & Regen.	
(DCSW)	29.50	Table	*All wave	†DC	7 1/2 x 9 7/8	3A, 3A, 37	R.F. & Regen.	
(DCSW)	29.50	Table	*All wave	†Bat.	7 1/2 x 9 7/8	3A, 3A, 30	R.F. & Regen.	
(SW34)		Table	*All wave	†AC, DC or Bat.	5 1/2		R.F. & Regen.	
(SW34)		Table	*All wave	†AC, DC or Bat.	5 1/2		R.F. & Regen.	
37 1/2	74.50	Auto. Phone Radio	100-8000		9 x 10 1/2	24, 2A4 or 3A, 3A or 27, 27 or 37, 37	82, 3E3	Super.
38 1/2	75.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
15 1/2	64.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
51 1/2	64.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
51 1/2	64.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
91 1/2	74.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
60 1/2	79.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
210 1/2	99.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
310 1/2	199.50	Auto. Phone Radio	100-8000				82, 3E3	Super.
410 1/2	405.00	Auto. Phone Radio	100-8000				82, 3E3	Super.

...od of milit city is cars in-ty-ling juce CO- or- im-her- sales later caler

...SIS arrived in ac-They

...ing juce CO- or- im-her- sales later caler

...SIS arrived in ac-They dicat- nific-

17 1/2



COMPANY  
 (1) MELBURN RADIO MFG. CO

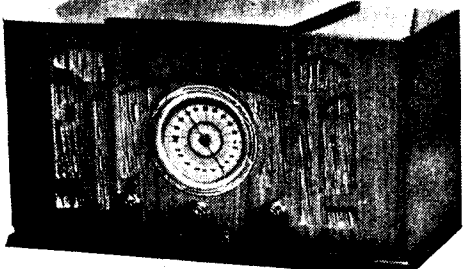
(1) 2214 S. HOOVER } 35  
 (2) 2216, 2218 (1933 dates) } dates

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNLIC.	PUB. SOURCE
		MEL MR. BURNS, MGR.		R.D. P31 AUG 1, 1935
	IF PEAKS			*** The Melburn Radio Mfg. Co., 2218 South Hoover street, Los Angeles, Calif., has just announced a new low-priced line of table models. Mr. Burns, manager of the company, stated that there were a great number of people who needed new radio sets but were unable to buy the higher-priced models. The new 1936 Melburn series has been
2, 23, 31, 50				
NO. 15	(4) (5) 2A7, 57, 58, 2A5, 8D (6) (8)	SUPPLY HOUSE (PARTS)		SEPT 33 P 15 TECH.
32	6A7, 6B7, 6C6, 42, 84		LIC	APR 35, P3 TECH OCT 35, P 24
		MODEL 6 4 Tubes 9.95 19 4 " 12.50 43 5 " SUPER 16.60		R.D. P13, AUG 1, 35

R.R. APR 1933  
 P 24

AUTO RADIO  
 11.00 with  
 4 tubes  
 TRF set  
 2.876 West 9th St in Spring

MAY 16-35 P. 11 R.D



COMBINATION  
 HOUSE AND AUTO RADIO

MELBURN  
 MODEL 32

\$31.50 List Price  
 R.C.A. Licensed

HERE IS WHAT YOU HAVE BEEN  
 WAITING FOR—

Just think! A RADIO that will play in your home or on a boat, farm, automobile, aeroplane—anywhere that has 110V AC Electricity or 6 volts Storage Battery (no other batteries

needed.) Simply plug into your electric light socket or connect to your Automobile or Boat Battery and you will listen to the finest music you are used to in a radio.  
 5-Tube SUPER-HETERODYNE 6A7 6B7 6C6 42 84 Automatic Volume Control Illuminated Aero-plane Dial Tone Control, Vibrator "B" Eliminator built in Magnavox Dynamic Speaker; beautiful walnut cabinet. IDEAL SUMMER SPECIAL.

MELBURN RADIO MFG. CO.

2218-16-14 SOUTH HOOPER STREET, LOS ANGELES, CALIF. — PHONE PR-0702



## PACIFIC RADIO EXCHANGE

Pacific Radio Exchange started making radios at 731 So. Main in Los Angeles circa 1931. Frank LeBell was the owner/manager. The store was originally called Radio Exchange and somewhere in the 1932-1933 time period changed its name to Pacific Radio Exchange. One source of a radio set listing is the Mallory

Radio Service Encyclopedia. The 1948 edition show 13 models made from about 1932 into 1936. Models included 27, 37, 37A, 556, 5 tube trf, Round the World 5 and 6, Spero auto midget, Spero autodyne and Spero's 4, 7, 10, and Super.

Frank seemed to be innovative with different tube types. He used a variety of tubes such as a Wunderlich, 59, 82, 83, 84, and 89 among others. He also made a super midget auto set using three tubes: 6A7, 6B7, and a 41 or 89.

↓  
I certainly question that Frank LeBell or Pacific Radio Exchange ever constructed any radios. It was a parts store which also sold radios they probably bought from somebody. Frank LeBell was an elderly man who hired Norbert Spero as manager of the store. Norbert was a fast operator. He actually knew nothing about circuits, etc. strictly a marketer in today's terms.

Ralph  
Lynn's  
note to me  
1-28-93





1933-34-35

COMPANY

ADDRESSES

(1) MISSION BELL

(1) 1455 Venice

(2)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC/  
UNLIC.

PUB.  
SOURCE

77, 78, 76, 42, 80

ART ZECH's sets  
(2) chassis  
appear identical

19

(see photos)

SYLVANIA 1937

NOT THE SAME COMPANY AS RIDER'S - "PACIFIC RADIO CORP"

PACIFIC RADIO CORPORATION ALL 6VOLT TUBES!

"JACKSON BELL" "CRUSADER"

COMPANY

?	20	4	1-42, 1-76, 1-78, 1-80	TRF
G ?	22	4	1-6C6, 1-42, 1-78, 1-80	TRF
?	27	5	1-6C6, 1-5Z5, 1-43, 1-55A Ballast, 1-78	456
G ?	34	5	1-6C6, 1-42, 1-76, 1-78, 1-80	456
G ?	45	5	1-6A7, 1-42, 1-76, 1-78, 1-80	456
?	47	5	1-6A7, 1-6D6, 1-41, 1-75, 1-80	456
?	50	5	1-6A8, 1-6F6, 1-5Z4, 1-6K7, 1-75	456
?	51	5	1-6A8, 1-6K7, 1-6F6, 1-6Q7, 1-5W4	456
?	55-CM	6	1-6A8, 1-6K7, 1-6C5, 1-6Q7	456
?	57	6	1-6A8, 1-6K7, 1-6C5, 1-6Q7	456
?	60	6	1-6A8, 1-6K7, 1-6C5, 1-6Q7	456
G ?	80	8	1-6A8, 1-6K7, 1-6C5, 1-6Q7	456
			1-5W4, 1-10-610 Ballast	456

STARTED 14 VOLT TUBES???

LISTED AS 556 IN GERNSBAK

GERNSBAK'S VERSION HAS OCTAL EQUIVA TUBES...

PACKARD SPACE ADDED

11-17-94 - S.F.? SEATTLE?

XXG ADDS TO ALL GERNSBAK CHASSIS NUMBERS PERHAPS FOR CABINET DESIGNATION!

PACKARD RADIO COMPANY

R 4-T-Super	4	1-47, 2-57, 1-80	465
R 4	4	1-47, 2-57, 1-80	235
R 5 Auto	5	1-47, 1-55, 1-57, 2-58	465
R 6 Auto	6	1-6A7, 2-6D6, 1-41, 1-75, 1-84	470
R 8 AC	9	5-26, 1-27, 2-71A, 1-80	TRF
R 11, 13	4	1-2A5, 1-57, 1-58, 1-80	TRF
R 24, 24C	4	1-47, 2-57, 1-80	235
R 85	5	1-2A5 or 1-47, 1-55, 1-57, 1-58, 1-80	470

PETER PAN RADIO COMPANY

"PETER PAN"

R 4	4	1-6C6, 1-6D6, 1-42, 1-80	TRF
R 4-75	4	1-6D6, 1-42, 1-76, 1-80	TRF
R 5A	5	1-6A7, 1-42, 1-75, 1-78, 1-80	465
?	56	1-6A7, 1-6C5, 1-6D6, 1-42, 1-75, 1-80	465
?	77	1-6A7, 1-6C5, 1-6D6, 1-6G5, 1-42, 1-75, 1-80	465
?	88	1-6A8, 1-6F6, 1-6C5, 1-6H6, 2-6K7, 1-5Z4	465
?	555	1-5Z3, 1-6A8C, 1-6F5, 1-6F6G, 1-6K7G	465

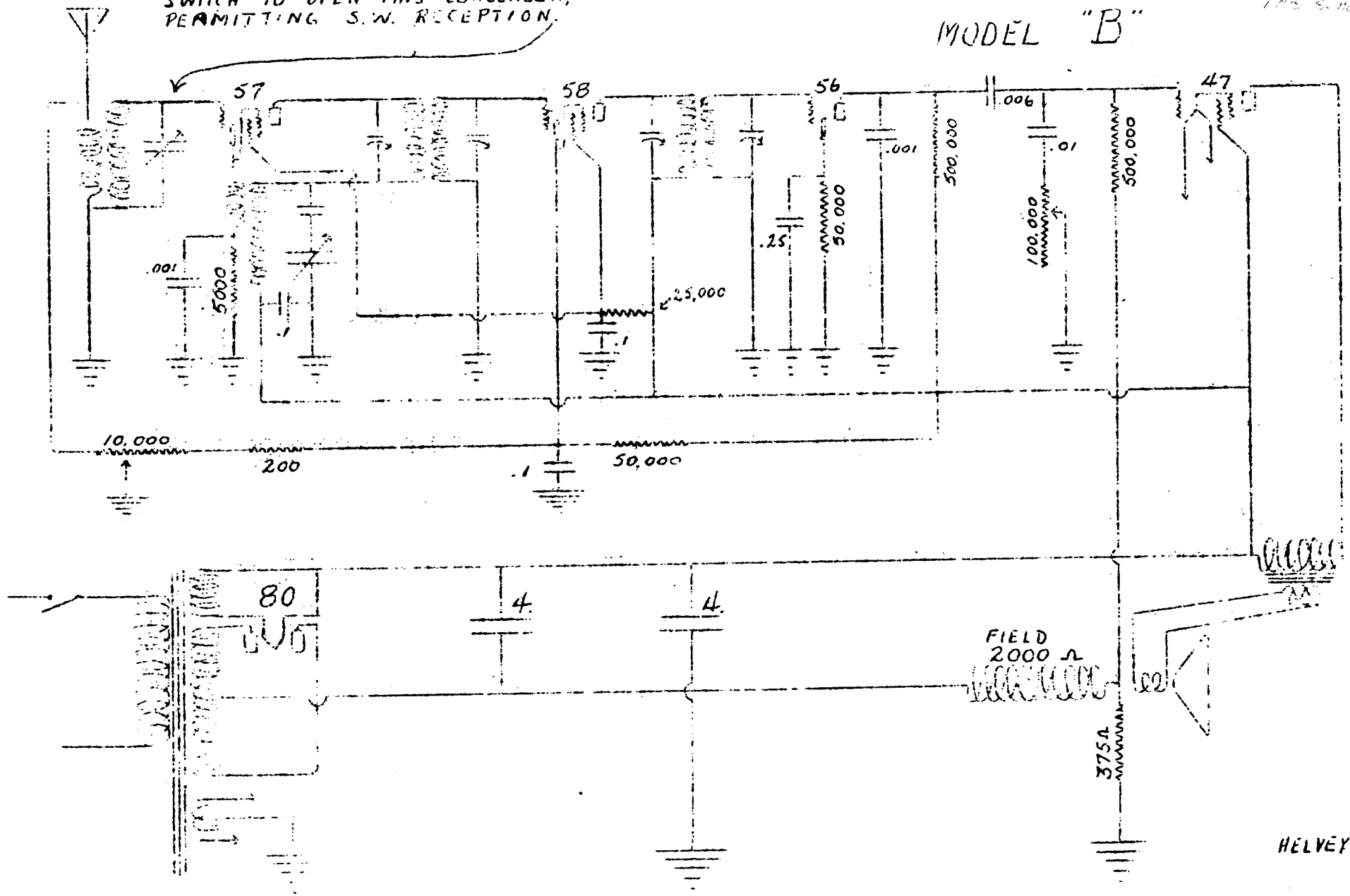
RIDER'S HAS A CIRCUM "MODEL 56" WITH OCTAL EQ. TUBES

WESTONE RADIO CORPORATION

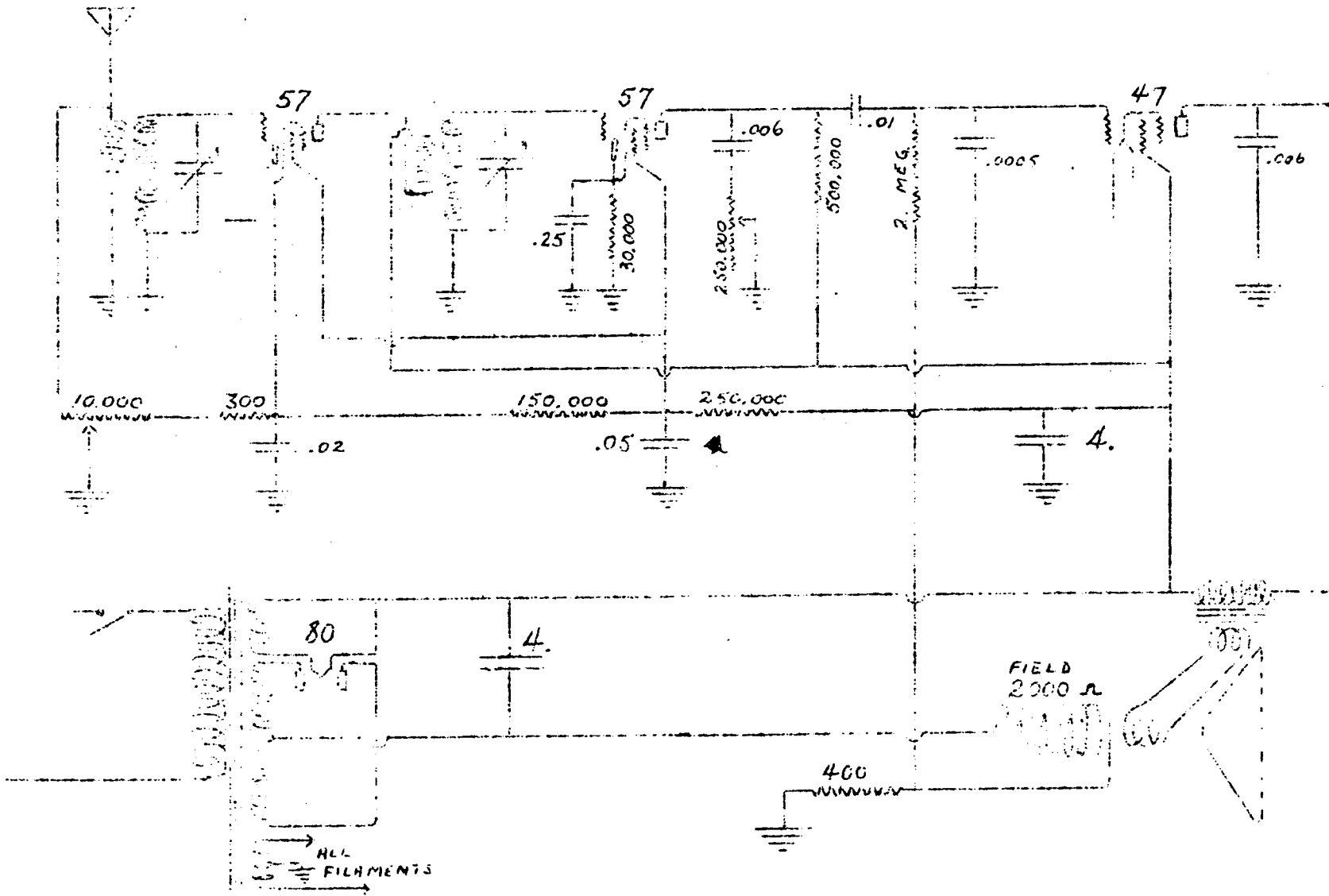
R 20	4	1-2A5, 1-56, 1-58, 1-80	456
R 34-4 Tubes	4	1-2A5, 1-2A7, 1-57, 1-80	456
R 34-5 Tubes	5	1-2A5, 1-56, 1-57, 1-58, 1-80	456
R 40	5	1-2A5, 1-2A7, 1-58, 1-80	456

NOTE: - FIRST PRODUCTION USED A SINGLE POLE, SINGLE THROW SWITCH TO OPEN THIS CONDENSER, PERMITTING S.W. RECEPTION.

R. GRAY  
 (COURTESY OF THE BELL SYSTEM)  
 EARLY "MIDC" SCHEMATIC  
 "MISSION BELL" MEMORY OF SOURCE OF THE SCHEMATIC  
 MODEL "B"



HELVEY.



MISSION  
BELL  
"J"

HELVEY

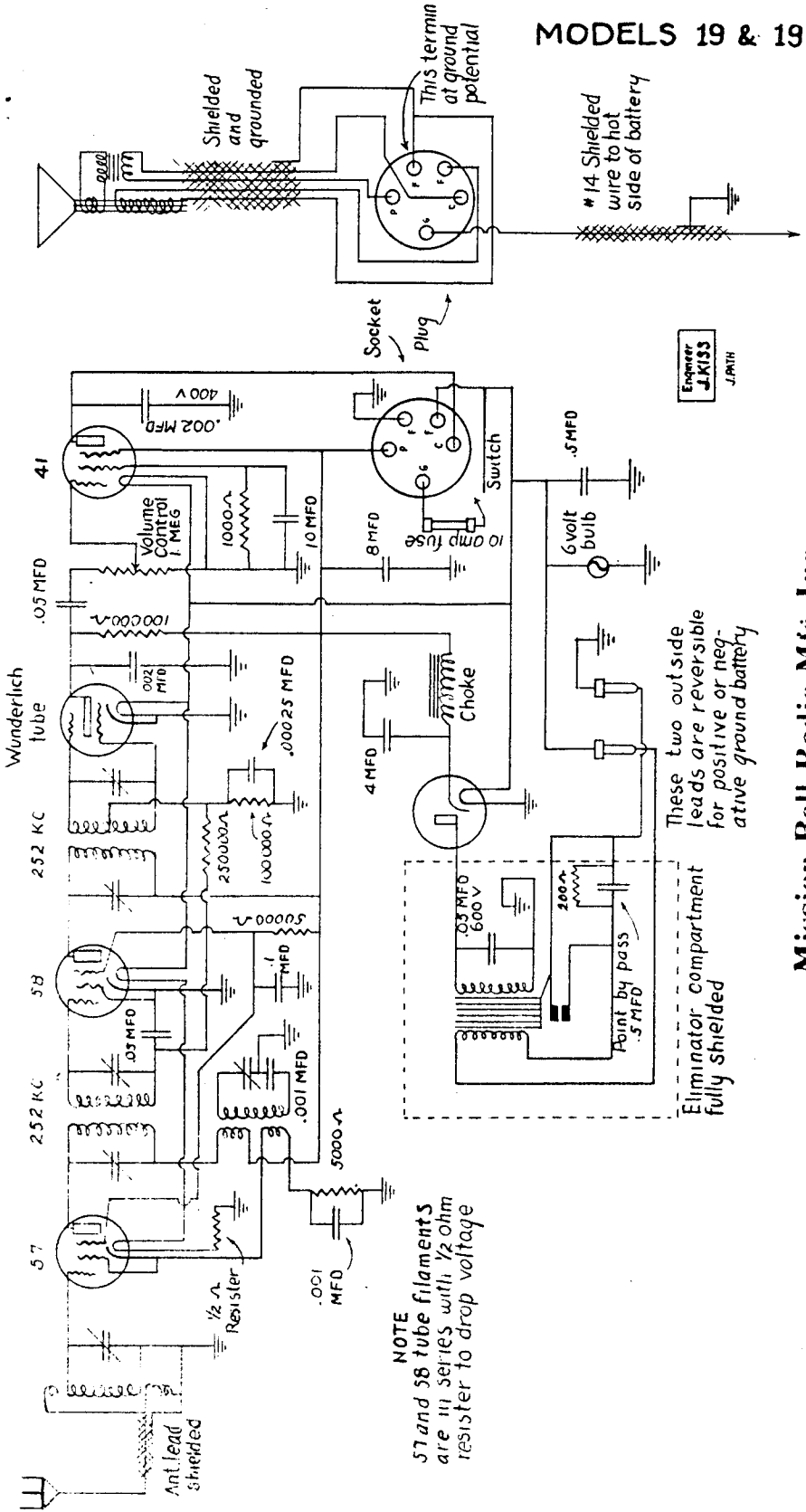


NOT IN PICTURES

MISSION BELL RADIO MFG. CO., Inc.

MODELS 19 & 19A

MODEL 19 AND 19A



NOTE

57 and 58 tube filaments are in series with 1/2 ohm resistor to drop voltage

Mission Bell Radio Mfg. Inc.

1455 Venice Blvd., Los Angeles

Trouble Shooting Hints



57 & 58



WUNDERLICH



41

the set becomes insensitive this tube should be checked on a tube tester and if necessary a new one should be inserted.

The 77 tube used as first detector must be in good condition or the set will not operate. If

Eliminator compartment fully shielded  
These two outside leads are reversible for positive or negative ground battery

COMPANY  
(1) SACKARD BELL

(1) 1320 SO. GRAND  
(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNLIC.	PUB. SOURCE
---------------------	-------	-----------	----------------	----------------

PACIFIC RADIO EXCHANGE 731 SO. MAIN

FRANK LEBEL (?)

6-24  
6-25 RIDERS  
SUPP.

IN  
RIDERS  
VOL 6  
SUPPLE

10 2-56  
1-WON  
4-58  
2-47  
1-P21  
*Super Spero*

1932?

Riders Lists 11  
models -  
uses word "Spero"  
on 5 sets (using 83, 82 & 84)  
ret.

(4) 58  
57  
P2  
82

Super midsize (auto)  
6A7, 6B7, 41 or 89 (3 tubes)

2 sets use 6A7  
1 set uses 6A8, 5W4,  
6J7, 6P7, 6F6  
no address in Riders

Riders - Mallory  
ref. (2 schemes)  
shows 13 models

Model 556 6A8, 6K7, 6P7, 6F6, 5W4

Mallory  
Radio Service  
Encyclopedia  
6th ed.  
1948

Seems to have been innovative  
with a mix of tube types, each year.  
4-10 tube set

Paul

WALT'S SET JUN-97

<sup>6C6, 6D6, 42, 76, 80</sup>  
P162 M.B. 374 CHASSIS

<sup>6C6, 42, 76, 78, 80</sup>  
P176 PAC. RADIO 34 CHASSIS

ONLY TUBE LINEUPS IN

R.D.S. (R. GRAY'S 3K) THAT

MATCHES CHASSIS OF SET

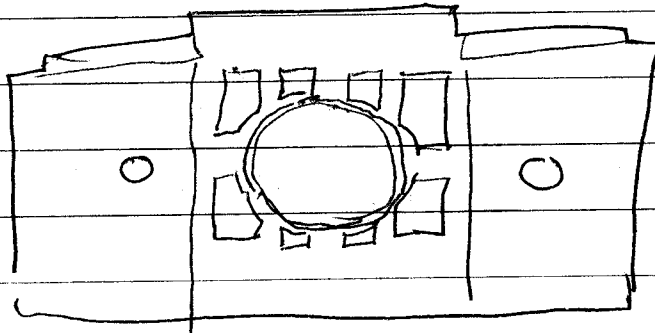
RIDER'S ~~6-1~~ 6-1 - WESTON

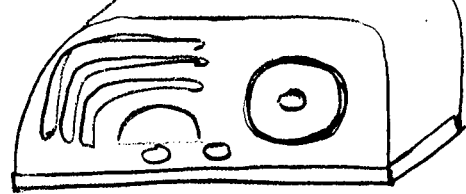
MODEL 34 (5 TUBE) VERSION

(2 1/2 V VERSION) 57-58 56-2A5-80

DECCA SET HAS FACTORY "P"

CHICAGO, ILL. SN 117023





TYPE: SMALL TABLE TOP

YEAR? / BRAND: c 1933 "JACKSON-BELL" Tag on front

MODEL: 45 (PACIFIC RADIO CORP)  
MADE BY MISSION BELL ← riveted plate  
on back

SERIAL #: 26718 ON METAL

MISSION-BELL LABEL

CONDITION & COMMENTS: 77, 78, 42, 74, 80

EXCELLENT ORIGINAL FINISH

WORKS WELL

© Jackson-Bell ©

REPLACES:

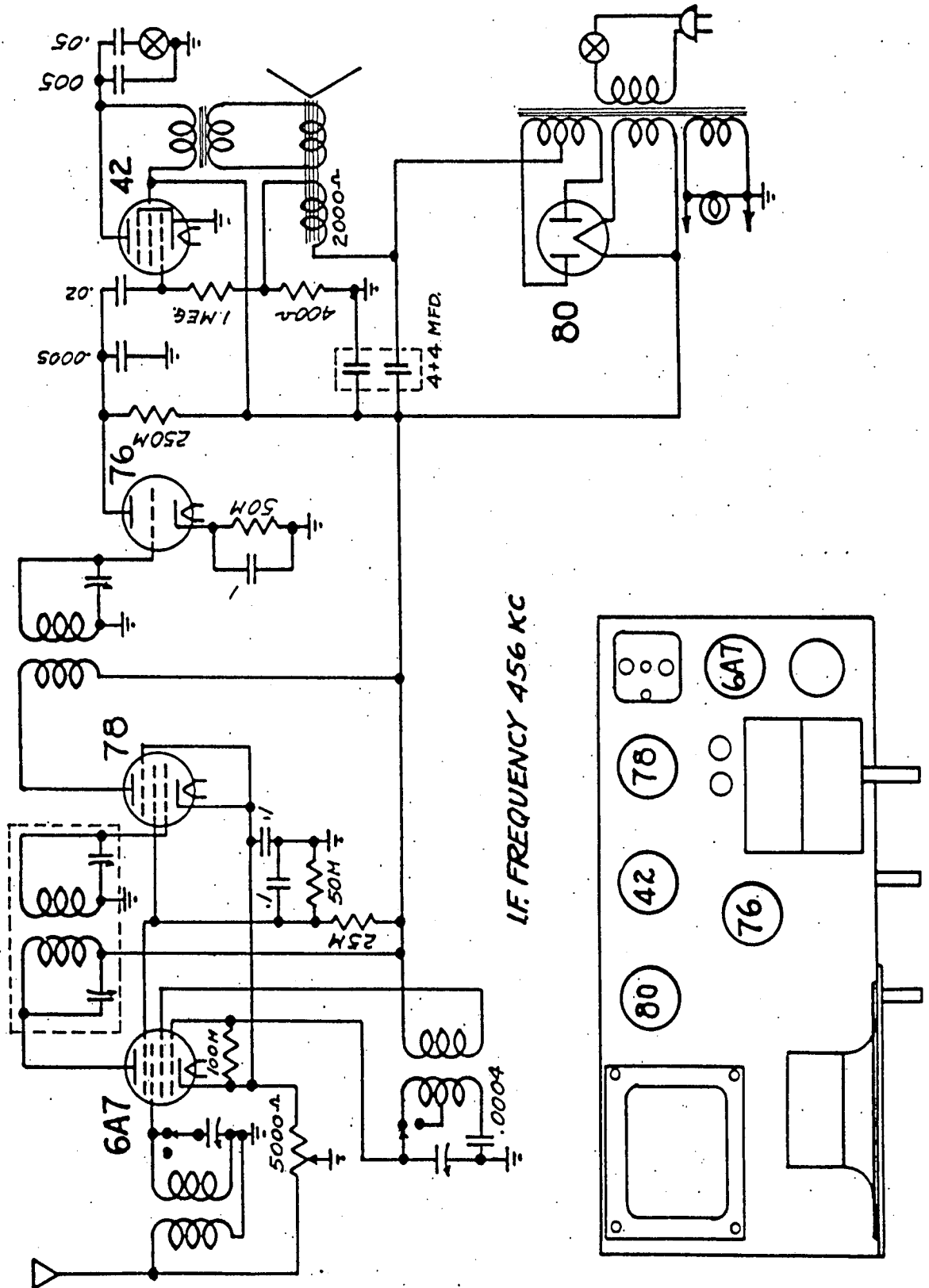
LINE CORP

POWER TRANSFORMER

SOME CAPACITORS

Pac Radio Corp on label on back of chassis

PACIFIC RADIO CORPORATION  
 MODELS 45-456-456-D & 456-N



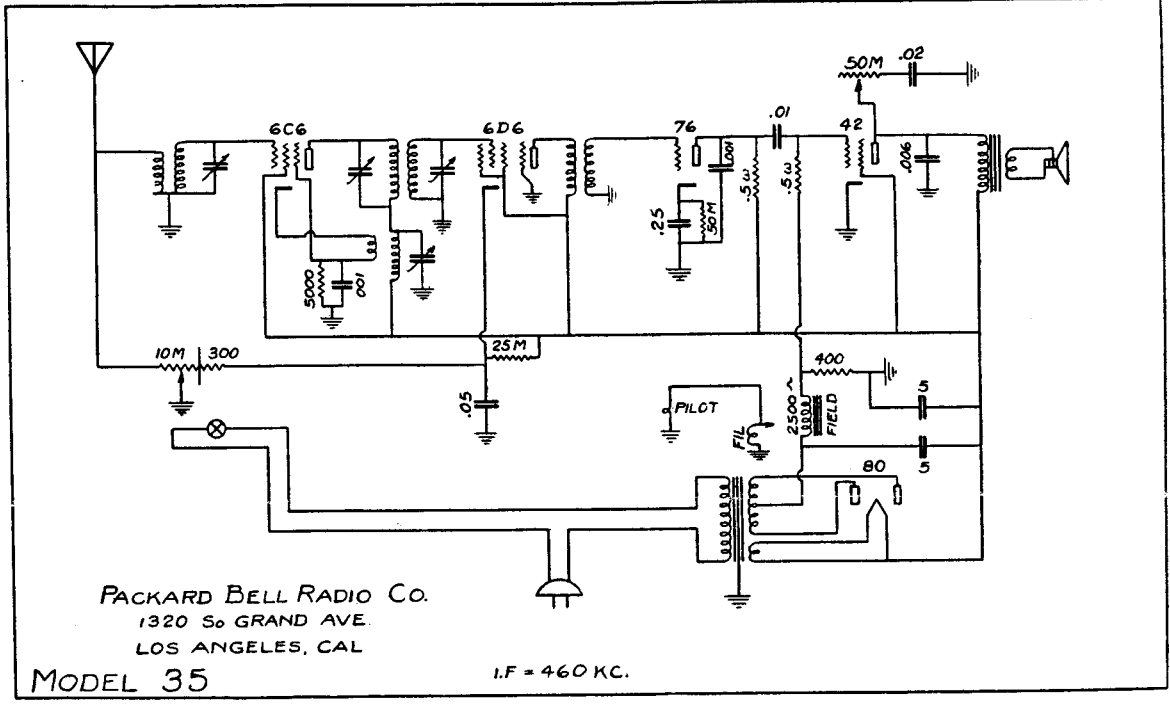
© Jackson Ball ©

**MODEL** 48 **VOLTS** 115 A.C.  
**CYCLES** 50-60 **WATTS** 44  
**GUARANTEE**  
 This Radio guaranteed against all defects in Workmanship and Material for thirty days.  
 Made in United States of America  
**RADIO BELL CORPORATION**  
 Los Angeles, Cal.

**MFD BY MISSION BELL RADIO MFG. CO. INC. MADE IN LOS ANGELES, CALIF. U.S.A.**  
 LISTED FOR THE RADIO...  

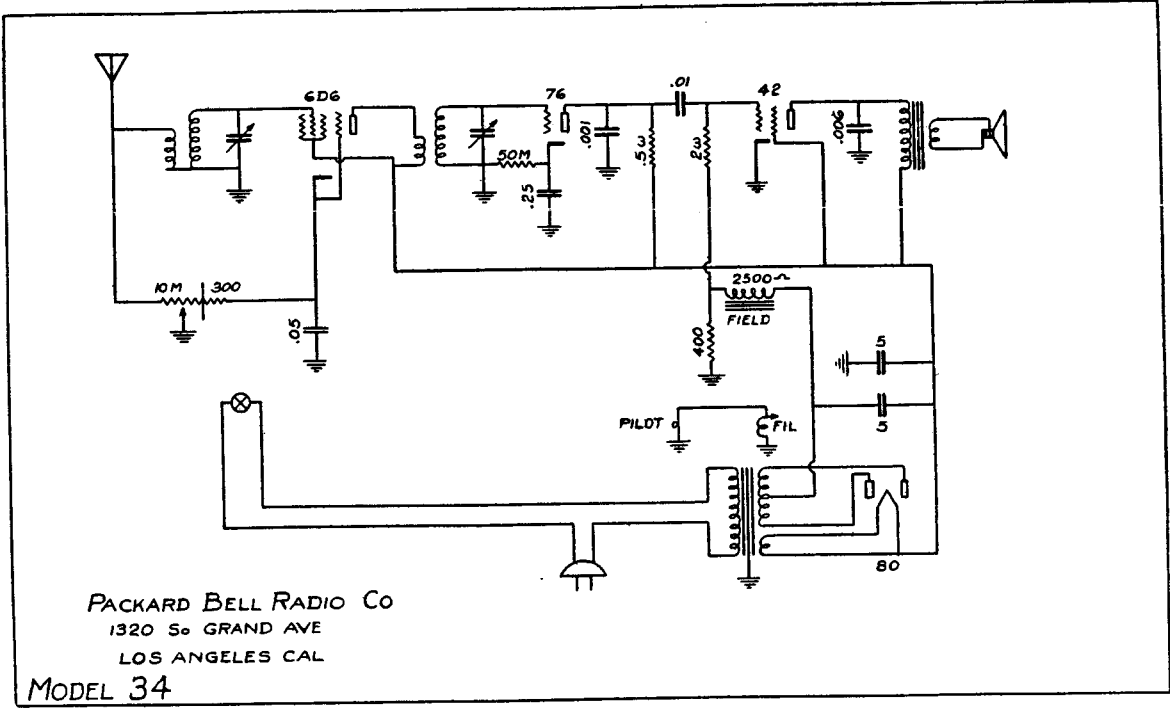
1.15.221	1.22.114	1.22.115	1.22.116	1.22.117	1.22.118
1.22.119	1.22.120	1.22.121	1.22.122	1.22.123	1.22.124
1.22.125	1.22.126	1.22.127	1.22.128	1.22.129	1.22.130
1.22.131	1.22.132	1.22.133	1.22.134	1.22.135	1.22.136
1.22.137	1.22.138	1.22.139	1.22.140	1.22.141	1.22.142
1.22.143	1.22.144	1.22.145	1.22.146	1.22.147	1.22.148
1.22.149	1.22.150	1.22.151	1.22.152	1.22.153	1.22.154
1.22.155	1.22.156	1.22.157	1.22.158	1.22.159	1.22.160
1.22.161	1.22.162	1.22.163	1.22.164	1.22.165	1.22.166
1.22.167	1.22.168	1.22.169	1.22.170	1.22.171	1.22.172
1.22.173	1.22.174	1.22.175	1.22.176	1.22.177	1.22.178
1.22.179	1.22.180	1.22.181	1.22.182	1.22.183	1.22.184
1.22.185	1.22.186	1.22.187	1.22.188	1.22.189	1.22.190
1.22.191	1.22.192	1.22.193	1.22.194	1.22.195	1.22.196
1.22.197	1.22.198	1.22.199	1.22.200	1.22.201	1.22.202
1.22.203	1.22.204	1.22.205	1.22.206	1.22.207	1.22.208
1.22.209	1.22.210	1.22.211	1.22.212	1.22.213	1.22.214
1.22.215	1.22.216	1.22.217	1.22.218	1.22.219	1.22.220
1.22.221	1.22.222	1.22.223	1.22.224	1.22.225	1.22.226
1.22.227	1.22.228	1.22.229	1.22.230	1.22.231	1.22.232
1.22.233	1.22.234	1.22.235	1.22.236	1.22.237	1.22.238
1.22.239	1.22.240	1.22.241	1.22.242	1.22.243	1.22.244
1.22.245	1.22.246	1.22.247	1.22.248	1.22.249	1.22.250
1.22.251	1.22.252	1.22.253	1.22.254	1.22.255	1.22.256
1.22.257	1.22.258	1.22.259	1.22.260	1.22.261	1.22.262
1.22.263	1.22.264	1.22.265	1.22.266	1.22.267	1.22.268
1.22.269	1.22.270	1.22.271	1.22.272	1.22.273	1.22.274
1.22.275	1.22.276	1.22.277	1.22.278	1.22.279	1.22.280
1.22.281	1.22.282	1.22.283	1.22.284	1.22.285	1.22.286
1.22.287	1.22.288	1.22.289	1.22.290	1.22.291	1.22.292
1.22.293	1.22.294	1.22.295	1.22.296	1.22.297	1.22.298
1.22.299	1.22.300	1.22.301	1.22.302	1.22.303	1.22.304
1.22.305	1.22.306	1.22.307	1.22.308	1.22.309	1.22.310
1.22.311	1.22.312	1.22.313	1.22.314	1.22.315	1.22.316
1.22.317	1.22.318	1.22.319	1.22.320	1.22.321	1.22.322
1.22.323	1.22.324	1.22.325	1.22.326	1.22.327	1.22.328
1.22.329	1.22.330	1.22.331	1.22.332	1.22.333	1.22.334
1.22.335	1.22.336	1.22.337	1.22.338	1.22.339	1.22.340
1.22.341	1.22.342	1.22.343	1.22.344	1.22.345	1.22.346
1.22.347	1.22.348	1.22.349	1.22.350	1.22.351	1.22.352
1.22.353	1.22.354	1.22.355	1.22.356	1.22.357	1.22.358
1.22.359	1.22.360	1.22.361	1.22.362	1.22.363	1.22.364
1.22.365	1.22.366	1.22.367	1.22.368	1.22.369	1.22.370
1.22.371	1.22.372	1.22.373	1.22.374	1.22.375	1.22.376
1.22.377	1.22.378	1.22.379	1.22.380	1.22.381	1.22.382
1.22.383	1.22.384	1.22.385	1.22.386	1.22.387	1.22.388
1.22.389	1.22.390	1.22.391	1.22.392	1.22.393	1.22.394
1.22.395	1.22.396	1.22.397	1.22.398	1.22.399	1.22.400

 SERIAL NO.



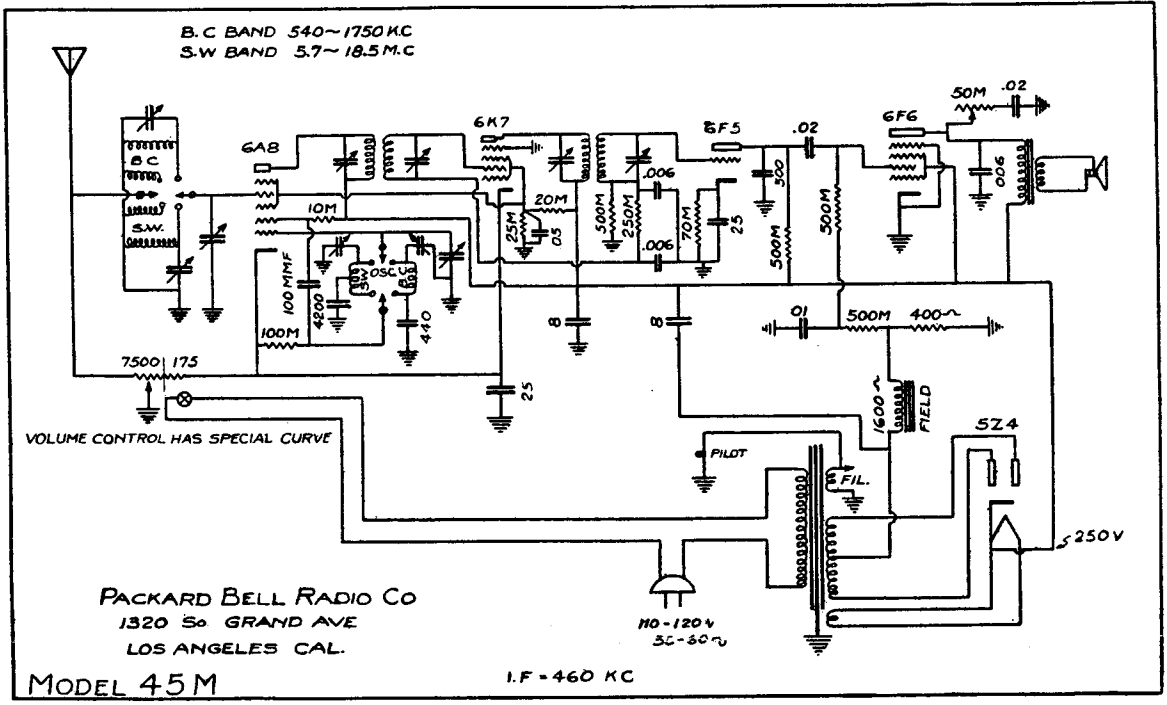
*1/20  
MAY 1935*

*FROM  
D. MASON*





*IN RIDERS*  
*THOMAS W. MASON*



**PACKARD-BELL**

**Model 45 ★ ★ ★ ★**  
**Genuine Metal Tubes**

*Beautiful Hand-Rubbed Cabinet*

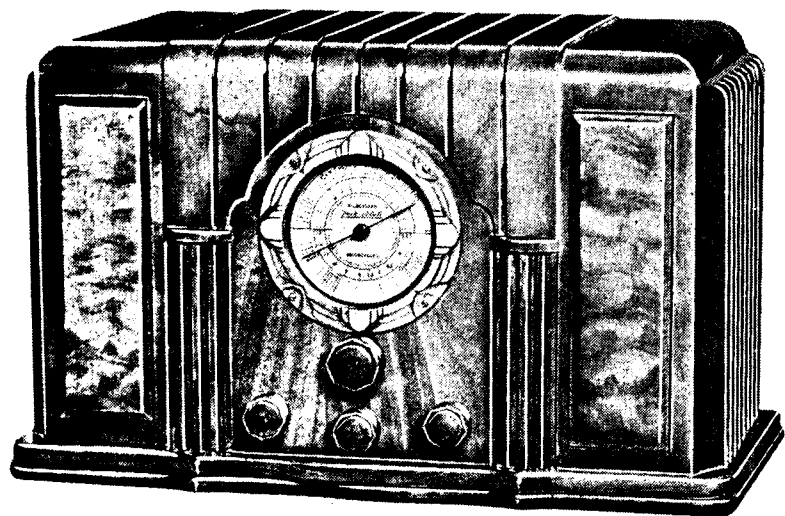
**PERFORMANCE**

**APPEARANCE**

**TONE**

New Circuit — Vernier Tuning  
**FOREIGN AND AMERICAN SHORT-WAVE  
 RECEPTION WITH EASE**

**\$28<sup>95</sup>**



**PACKARD-BELL CO.**

*Manufacturers*

LOS ANGELES

FRESNO

SAN DIEGO

PHOENIX

1935

October 15-31

RADIO DOINGS ALL WAVE MAGAZINE

**PACKARD-BELL**

**NEW!!!**

**“SUEDE” FINISH**

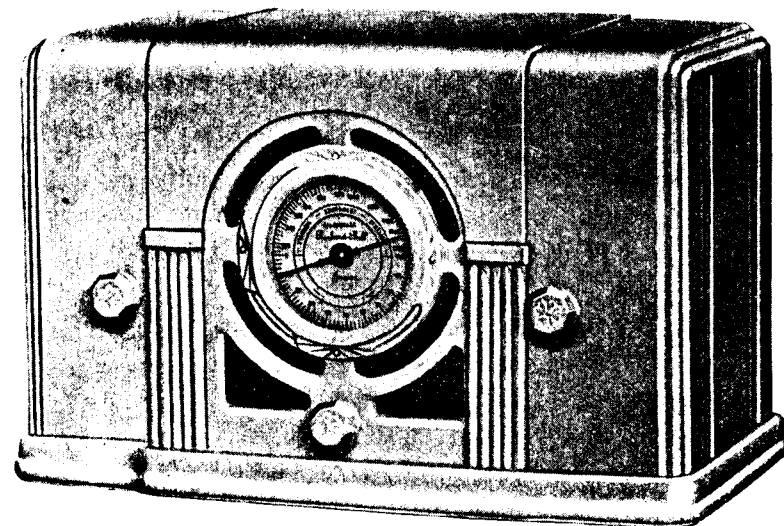
A smart, new, washable finish, smooth  
 and soft as suede, yet tough and durable.  
 Available in white and beige.

**SOMETHING REALLY NEW!**

**See this set at your dealers TODAY!**

*Licensed by R C A*

*Passed by the National Board of Fire Underwriters*



**PACKARD-BELL CO.**

*Manufacturers*

LOS ANGELES

FRESNO

SAN DIEGO

PHOENIX

*Packard-Bell*

**Announces**

Another **Four Star** Model

The **Console**

★ ★ ★ ★

This attractive Cabinet has the famous Packard Bell Hand-Rubbed Piano Finish.

All Panels are Genuine Walnut Veneer.

A Big Sturdy Console that is truly a fine piece of furniture.

All Consoles are furnished with 8-INCH Electro Dynamic Speaker.

*Licensed by R.C.A.*

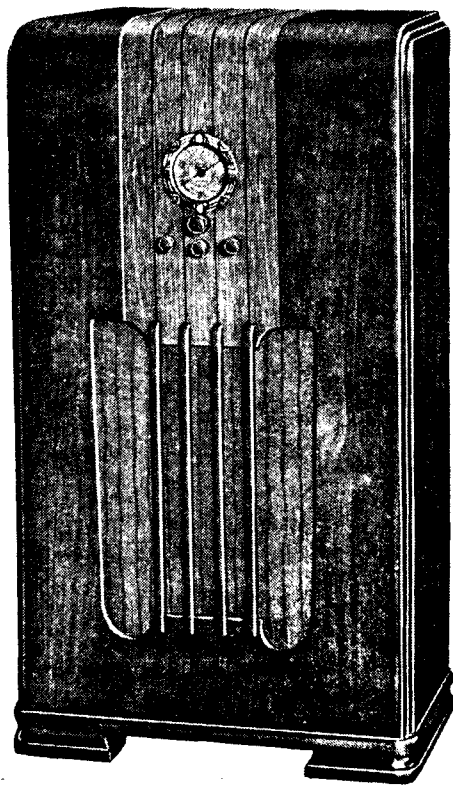
*Passed by the National Board of Fire Underwriters*

Model 35 \$ **34<sup>95</sup>**  
Console

5-Tube Super with Tone Control.

Model 45 \$ **44<sup>95</sup>**  
Console

5-Tube Super with METAL TUBES  
and SHORT WAVE.



**PACKARD-BELL CO.**

*Manufacturers*

LOS ANGELES

SAN FRANCISCO

SEATTLE

PHOENIX

# KEN-RAD

## Radio Tubes

**A Complete Stock of Ken-Rad  
METAL TUBES**

**Ready for Immediate Delivery  
to the Dealers**

*We are also distributors for*

**Packard Bell Radio**

**using KEN-RAD METAL TUBES**



Courtesy » Prompt Delivery « Service

We Are as Close to YOU as Your Nearest Phone

New 'Phone Number-

**Gladstone 4169**

**Yale Radio Electric Co.**

6600 SUNSET BOULEVARD

Gladstone 4169

Hollywood, California

## COMPANY

(1) PATTERSON RADIO CO.

## ADDRESSES

(1) 1320 SO. LOS ANGELES

(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC UNLIC.	PUB. SOURCE
70 107 207 110AW 210AW	(7) COMPACT (10) CONSOLES			RADIO JAN 33, P 21
PR 14	(16) + schematic article			RADIO OCT 35, P 23





YE



GILFILLAN  
-PETE PAN-  
1933



-1939-



PETER PAN  
- 1937 -



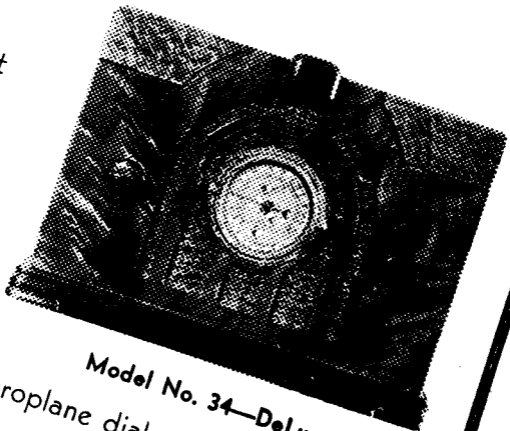


Delive

# SHORT-WAVE MODEL M

Beautiful cabinet . . . Full . . . Rigid  
chassis . . . Variable 6-  
. . . Three-gang . . . 3-Band Sh  
dynamic speaker . . . 6 powerful new ty  
Wave . . . 1-80, 1-76, 1-6D6, 1-75  
tubes — 1-42, 1-6C6.

uxe  
abinet  
Aero-  
assis  
42,



Model No. 34—DeLuxe

. Aeroplane dial . . . 75-meter switch  
ne dial . . . Walnut cab  
R. . . te cont



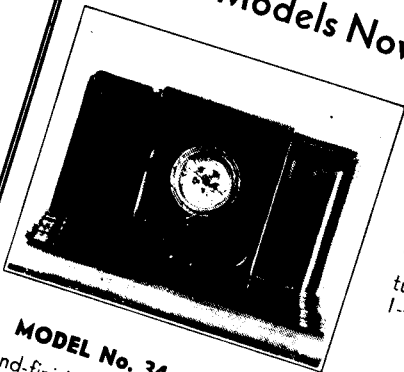
July 15 to 31

RADIO

# PETE

## 1936 Models Now

R.C.A.



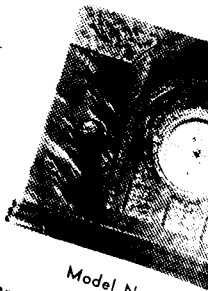
### MODEL No. 34—DeLuxe

Hand-finished burl walnut cabinet  
 . . . Dynamic speaker . . . Aero-  
 plane dial . . . Rigid steel chassis  
 . . . 4 new type tubes—1-80, 1-42,  
 1-76, 1-6D6.

SENSATIONAL VALUE

Model No. 4—Beautiful cabinet . . . 4 tubes.

Model No. 45—5-tube Super-Aeroplane  
Model No. 6—6 new type tubes  
Auto Set



Model No. 34

KTFL 500 1240  
 1000LS  
 GH. 1000  
 2500LS 950  
 GIR 1000  
 FBB 1000  
 2500LS 1360  
 EZ 100 1280  
 O 100  
 X 100 1310  
 100 1200  
 250LS 1310  
 100 1420  
 500 1380  
 250  
 500LS 1230  
 1000 1180  
 100 1370  
 100 1370  
 100 1310  
 550  
 1420  
 1210  
 1200  
 1310  
 1300  
 1420  
 1180  
 1300  
 620  
 940  
 1060  
 1420  
 370

St  
 Bea  
 chas  
 dynam  
 Wave  
 tubes —  
 1-42, 1-6C

COMPANY  
 (1) PETER PAN RADIO CO.

ADDRESSES  
 (1) 1787 W. ADAMS  
 (2)

TRADE NAME MODEL      TUBES      KEY NAMES      LIC/UNLIC.      PUB. SOURCE

See "B" and its Receiving photo of  
 days "for" as 1933  
 and 1934, 1935  
 at ? (6M) / IF PEARLS

R. SHELLEY

R.D. \* \* \* P31 AUG 1  
 Mr. R. S. Shelley, manager of the Peter Pan Radio Co., 1487 West Adams street, Los Angeles, Calif., announced this last week that the company had made a large shipment of Peter Pan radio sets to China. The Peter Pan line of receivers has been steadily gaining in popularity both here and in the Orient. Constantly increased production is necessary to keep up with the demand.

Radio Jan 33, p10  
 Others - set theft  
 Peter Pan - S-B??

564 6C6, 6D6, 75, 76, 42, 80  
 34 80, 42, 76, 6D6  
 also 4, 45, 6 4, 5, 16 TUBES

PIX OF SETS  
 SMALL AIRPLANE  
 DIALS

LIC JUL 15, R.D., 1935 P7

GOLDEN POPPY ON  
 CHASSIS (CHINA?)  
 (1ST ANNIVERSARY)  
 member RMA  
 of So. Calif.

JULY 34, TECH P22  
 SEPT 34 TECH. P31  
 "Look for the Boy with the Flute"  
 APR 35, TECH P31  
 Full page ad - Peter Pan  
 Photo of set

4 }  
 5 } new line  
 6 }

56 GLASS OR METAL  
 47 6D6, 6C6, 42, 80

SEPT 35, TECH. P 12

RIDER'S VOL 7-1

4-5 }  
 34 6D6, 74, 42, 80  
 45 6A7, 78, 75, 42, 80  
 56 6J7, 6K7, 6Q7, 6F6, 5Z4

Feb 24, 36 on scheme

HAS WPK 11/5/32 DATE  
 Peter Pan logo on scheme HAS WPK (9-25-32?)

1 58, 57, 55, 42, 80  
 2 5AV  
 2 5UV

Mallory (all 7-1 Riders)

SYLVANIA BOOK SET

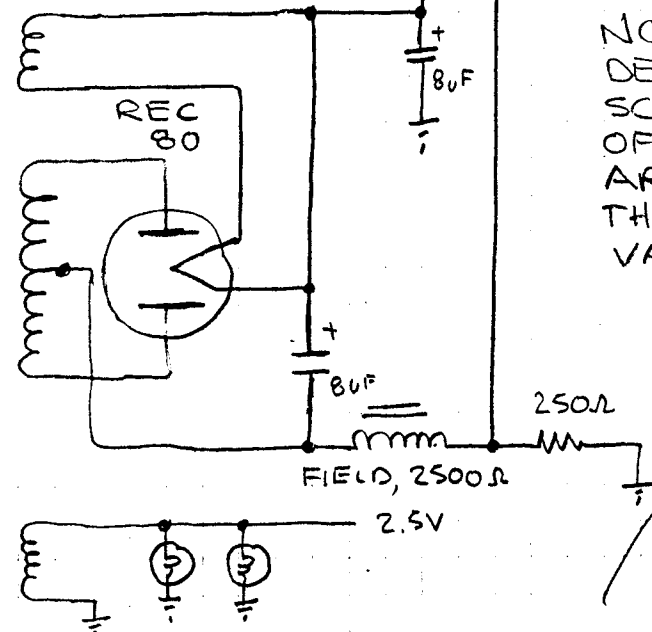
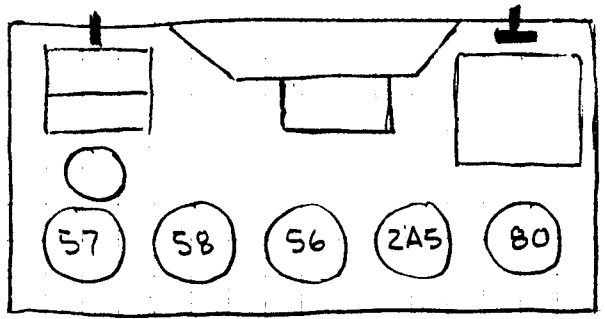
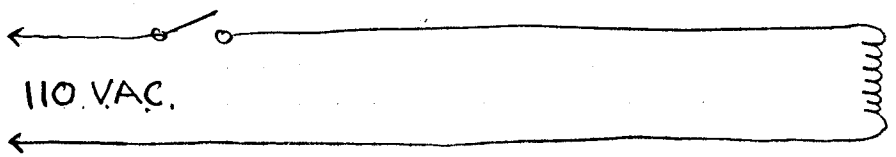
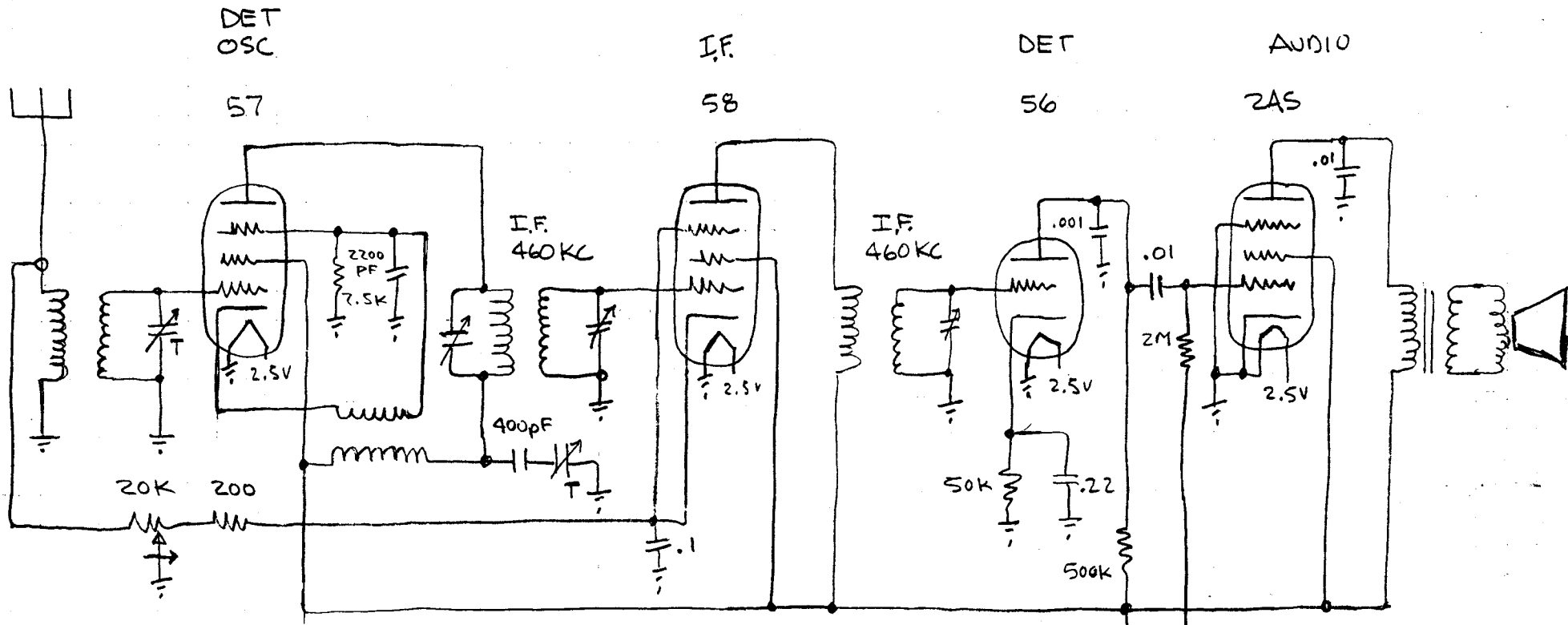
4 6C6, 6D6, 42, 80  
 4 6D6, 42, 76, 80  
 45N 6A7, 42, 75, 78, 80  
 56 6A7, 6C5, 6D6, 42, 75, 80  
 77 6A7, 6C5, 6D6, 6G5, 42, 75, 80  
 88 6A8, 6F6, 6G5, 6H6, 6K7, 5Z4  
 55S 5Z3, 6A8, 6F5, 6F6, 6K7

B  
 4, 4S  
 2 5AV-2 5AV  
 45 same  
 56 6J7, 6K7, 6Q7, 6F6, 5Z4  
 34

Peter Pan set from Phil Brown would be 75, 76, 41, 5, 80 (1934)  
 S/N 44549 is a 34M model

4/1/45

+34D



NOTE: IN THIS DESIGN THE SCREEN VOLTAGE OF THE 57 & 58 ARE ABOVE THE RECOMMENDED VALUES!

PETER PAN  
- SKETCH -  
22 JUNE 92 RAH

COMPANY

ADDRESSES

(1) ~~PACIFIC RADIO (CO. & CORP.)~~

(1) 3384 WILSHIRE  
1479 W. ADAMS

RADIO BAR CO. OF AMERICA (2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNLIC.	PUB. SOURCE
JACKSON-BELL SOME 12 SETS	4, 5, 6 & 8 tubes 6A8, 6A7j 6C6, 25Z5j 6FCj  Inter from 32, 33, 34, 35	SAME ADDRESS AS ON LINE (1) UNREG. "RADIO SETS AND SUPPLIES" -		TUBE COMP. 1300K SYL. - 1937 P. 109  L.A. DIR. 1936, 37
	COMBINATION SET & BAR  EITHER A44 LICENSED SET OR A PHILCO RADIO CHASSIS  PRIMARILY SOLD AS A "BAR" NOT A RADIO	(FIX)		R.R. P. 28, AUG 33

RADIO BAR

107  
567  
528  
534 -10T  
571

3384 Wilshire  
& N. 107

7100 Michigan St

R.R. NOV 33, P. 57  
FULL PAGE  
WITH P. 33  
R.R. P. 93, SEPT 3

RADIO BAR INC  
570 PIA 328 model art dec

P. 46, R.R. DEC 31  
P. 46, R.R., MAR 3

Use  
this  
photo

# SCARS GAZETTE

SOUTHERN CALIFORNIA  
ANTIQUÉ RADIO SOCIETY

1545 Raymond Ave.  
Glendale, CA 91201



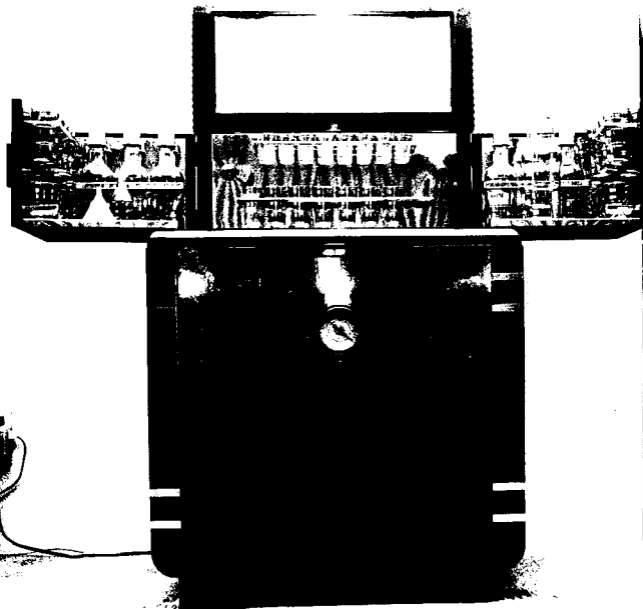
4138  
7 tubes

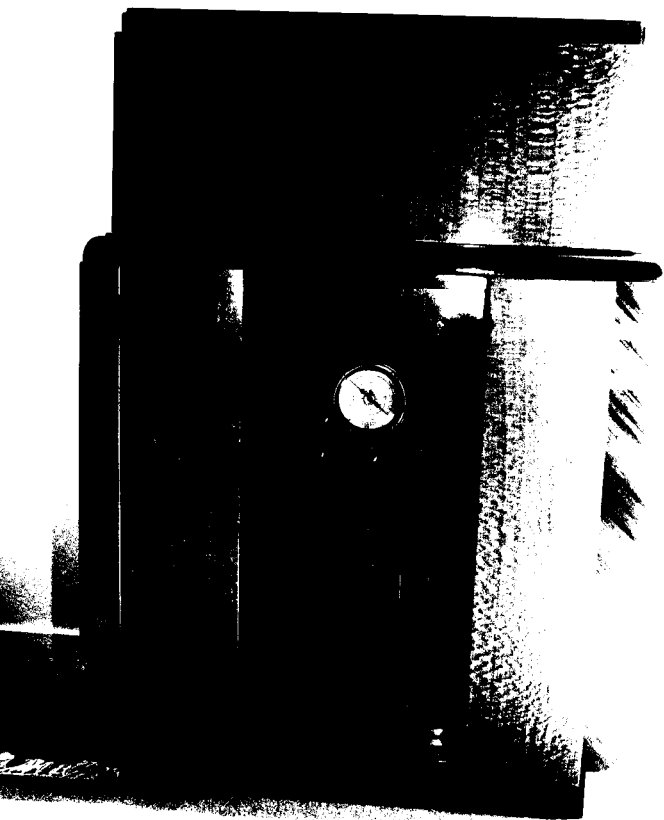
Phil Bass has seen  
2 arm chair Radio bar  
Vintage 38-7 chassis

Edmund  
Schmidt  
"Radio bar"

# FIRST CLASS













4 27 '82



4 27 '92



# New

... 1936 Radiobar with  
BUSHNELL SALES CO.

*Factory Representatives*

1936

*Western Furniture Exchange*

*180 New Montgomery St.*

## PHILCO

San Francisco, Cal. DOuglas 6565

**N**OW . . . . Radiobar incorporates in its beautiful new models, the 1936 PHILCO radio receivers—known the world over as "The Musical Instrument of Quality". The PHILCO Radios, now a part of all new Radiobars, vary with the individual models shown in this folder. All are the finest PHILCO builds . . . with some embracing All-Wave, World-Wide reception. Your guarantee of superb performance and tonal quality, unsurpassed, is that of PHILCO, for the sixth consecutive year, the world's leading radio manufacturer. See your nearest Radiobar dealer for full particulars concerning the new, 1936 PHILCO models now on display as standard equipment in all new, 1936 Radiobars.

# Radiobar-PHILCO *1936 Equipment and Specifications*

**Model 510-P-650.** 1936 Philco Radio specifications include Automatic Aerial Selector; Precision Radio Dial; both Daylight and Night-time Foreign and American Short-Wave broadcasts . . . both Police call bands . . . Aircraft, Ship, and Amateur bands . . . standard American band . . . U. S. Government weather forecasts; completely Shielded balanced Superheterodyne chassis; 8 Philco high efficiency tubes equal to 10; Automatic Bass Compensation; 2-Speed Station Selector; 4-Purpose Program Control; Philco Shadow Tuning; Standard Electro-Dynamic Speaker; Power Line Noise Rejectors; Automatic Volume Control, etc.

**Model 510-P-640.** 1936 Philco Radio specifications include Automatic Aerial Selector; Precision Radio Dial; both Daylight and Night-time Foreign and American Short-Wave broadcasts . . . both Police call bands . . . Aircraft, Ship and Amateur bands . . . Standard American band . . . U. S. Government weather forecasts; Completely Shielded balanced Superheterodyne chassis; 7 Philco high efficiency tubes equal to 9; Automatic Bass Compensation; 2-Speed Station Selector; 4-Purpose Program Control; Philco Shadow Tuning; Standard Electro-Dynamic Speaker; Power Line Noise Rejectors; Automatic Volume Control, etc.

**Model 510-P-630.** 1936 Philco Radio specifications include Automatic Aerial Selector; Precision Radio Dial; both Daylight and Night-time Foreign and American Short-Wave broadcasts . . . both Police call bands; Amateur, Ship and Aircraft bands . . . Standard American band; Completely Shielded balanced Superheterodyne chassis; 6 Philco high efficiency tubes equal to 8; Automatic Bass Compens-

sation; 2-Speed Station Selector; 3-Purpose program control; Philco Shadow Tuning; Standard Electro-Dynamic Speaker; Power Line Noise Rejectors; Automatic Volume Control, etc.

**Model 510-P-620.** 1936 Philco Radio specifications include Automatic Aerial Selector; Precision Radio Dial; both Daylight and Night-time Foreign and American Short-Wave broadcasts . . . both Police call bands; Amateur, Ship and Aircraft bands . . . Standard American band; Completely Shielded balanced Superheterodyne chassis; 6 Philco high efficiency tubes equal to 8; Automatic Bass Compensation; 2-speed Station Selector; 3-Purpose Program Control; Standard Electro-Dynamic Speaker; Power Line Noise Rejectors; Automatic Volume Control, etc.

**Model 528-P-116.** Same Philco specifications as Model 510-P-116.

**Model 528-P-650.** Same Philco specifications as Model 510-P-650.

**Model 528-P-640.** Same Philco specifications as Model 510-P-640.

**Model 528-P-630.** Same Philco specifications as Model 510-P-630.

**Model 528-P-620.** Same Philco specifications as Model 510-P-620.

**Model 510-P-116.** 1936 Philco Radio specifications include Automatic Aerial Selector; Precision Radio Dial; covers every broadcast service on the air, Daylight foreign and American short wave broadcasts, Night time Foreign and American short wave broadcasts . . . both Police call bands . . . Aircraft, Ship and Amateur bands . . . standard American band . . .

U. S. Government weather forecasts; Completely Shielded balanced Superheterodyne chassis; 11 Philco high efficiency tubes; Automatic Bass Compensation; 2-Speed Station Selector; 3-Purpose Program Control; Philco Shadow Tuning; Power Line Noise Rejectors; Automatic Volume Control; Oversize Electro-Dynamic Speaker, etc.

**Model 505-P-60.** 1936 Philco Radio specifications include Standard Broadcast band; both Police, many Aircraft and Amateur stations; Completely Shielded Balanced Superheterodyne chassis; 5 Philco high efficiency tubes equal to 7; Ball-Bearing Tuning; 2-Purpose Program Control; Standard Electro-Dynamic Speaker; Power Line Noise Rejectors; Automatic Volume Control; Wave Band Switch; Illuminated Station Recording Dial, etc.

**Model 505-P-116.** 1936 Philco Radio specifications same as Model 510-P-116.

**Model 505-P-650.** 1936 Philco Radio specifications same as Model 510 P-650.

**Model 505-P-640.** 1936 Philco Radio specifications same as Model 510-P-640.

**Model 505-P-630.** 1936 Philco Radio specifications same as Model 510 P-630.

**Model 505-P-620.** 1936 Philco Radio specifications same as Model 510 P-620.

**Model 105-P-630.** Same Philco specifications as Model 510 P-630.

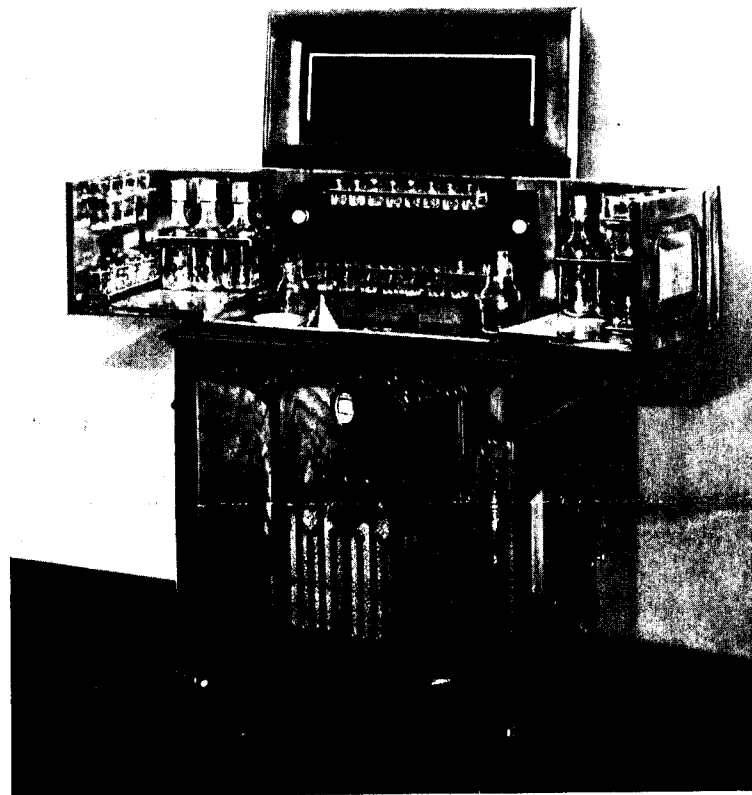
**Model 105-P-620.** Same Philco specifications as Model 510 P-620.

**Model 105-P-60.** Same Philco specifications as Model 505 P-60.

NOTE: Extra glasses, decanters and other Radiobar accessories to match sets may be purchased separately at Low List Prices.

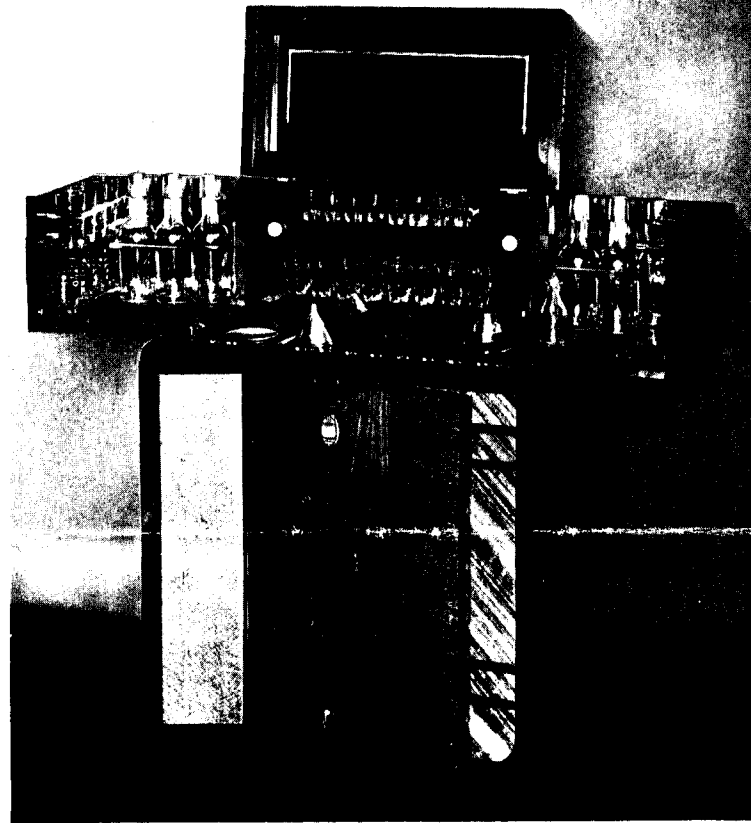
**RADIOBAR COMPANY OF AMERICA**

Radiobar is fully covered by patents.



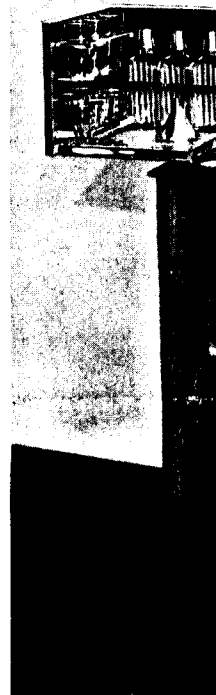
**Model 510-P-650 Radiobar - \$334.50**

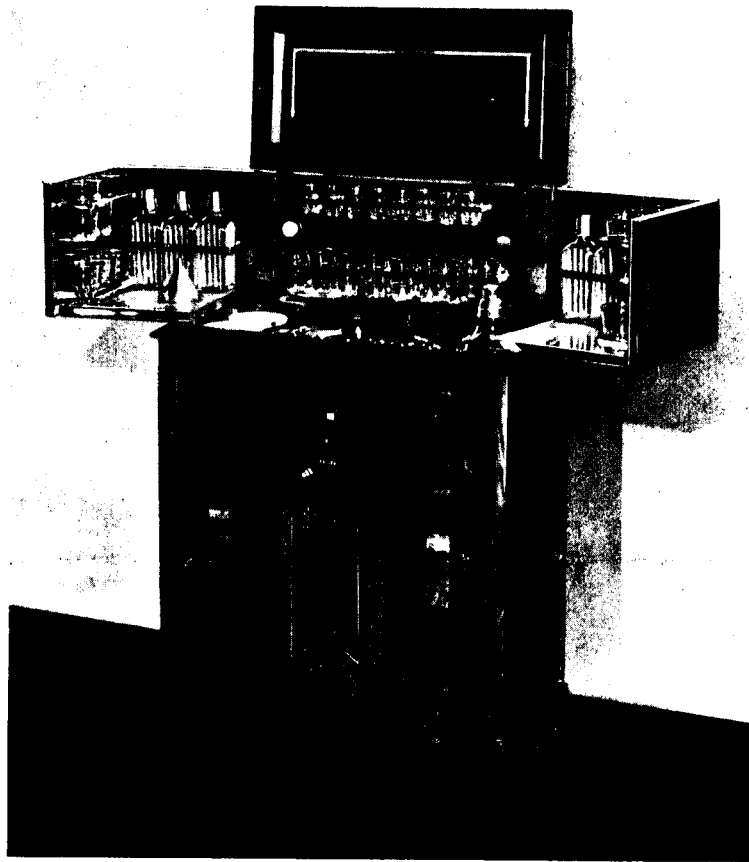
Superbly fashioned Walnut cabinet with genuine carvings, size when closed 50 $\frac{1}{4}$ " high, 37 $\frac{1}{4}$ " wide, 18 $\frac{1}{2}$ " deep. When open it is 66" high, 65" wide. BAR EQUIPMENT includes 8 highball, 8 cocktail, 8 whiskey and 8 old fashioned cocktail glasses; 6 decanters, cocktail shaker, refuse and ice containers; cork screw, funnel bottle opener, knife; two electric lights, mirror, extra bottle storage space, etc. For 1936 PHILCO specifications see reverse side.



**Model 528-P-620 Radiobar - \$241.50**

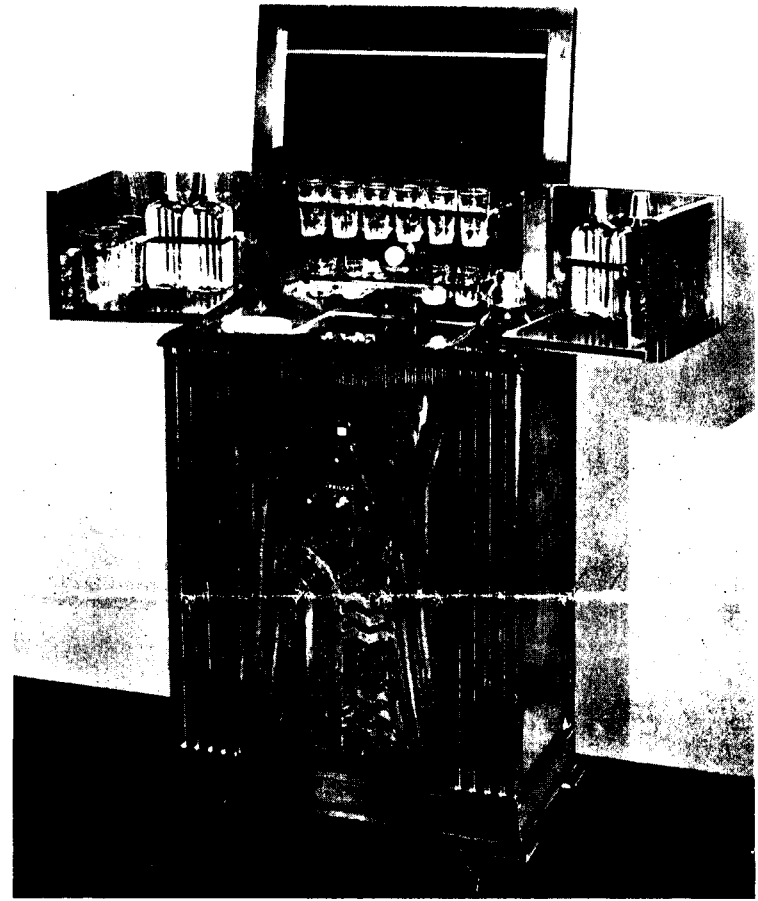
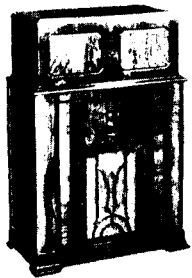
Modernistic, this beautiful cabinet is fashioned from Tasmanian Lace Wood, ribbon grained Oriental walnut; the modernistic strippings are of heavy chrome metal, mouldings and handles, jet black. Size: 47 $\frac{1}{2}$ " high, 34" wide, 17" deep; 63" high, 60" wide when open. BAR EQUIPMENT on the 528 series remains the same as that listed for the 510 series. For 1936 PHILCO specifications see reverse side.





**Model 505-P-620 Radiobar - \$158.95**

Radiobar designers have cast this handsome model in classic simplicity. Beautiful matched grain Oriental and Butt Walnut blends with richly toned Walnut. Size, closed, 45<sup>3</sup>/<sub>4</sub>" high, 30<sup>1</sup>/<sub>2</sub>" wide, 16" deep. Opens to 58<sup>3</sup>/<sub>4</sub>" high, 54<sup>1</sup>/<sub>4</sub>" wide. BAR EQUIPMENT includes 8 whiskey or liquor, 5 co. tial, 6 highball and 6 old fashioned cocktail glasses; 6 decanters, ice and refuse containers, funnel, knife, corkscrew and bottle opener; two electric lights; bottle storage space, etc. For 1936 PHILCO specifications see reverse side.



**Model 105-P-60 Radiobar - \$89.50**

A masterpiece of conventional design yet ultra smart in appearance, this beautiful walnut finished cabinet will add a grateful note to any room. Size when closed, 43<sup>1</sup>/<sub>2</sub>" high, 27" wide, 13" deep. Opens to 54" high, 45" wide. BAR EQUIPMENT includes 6 highball, 6 cocktail and 4 whiskey glasses; 4 decanters, ice container, mirror, electric light, corkscrew, opener, etc. For 1936 PHILCO specifications see reverse side.



*Adam Schoolsky  
38007 Stenhammer Drive  
Fremont, California 94536-1850  
Tel. (510) 791-0330 Fax (510) 791-0584*

06-Jan-1992

Mr. Floyd Paul  
1545 Raymond Ave.  
Glendale, CA 91201

Hi Floyd:

Here are the pictures of the radios. First the Shelley:

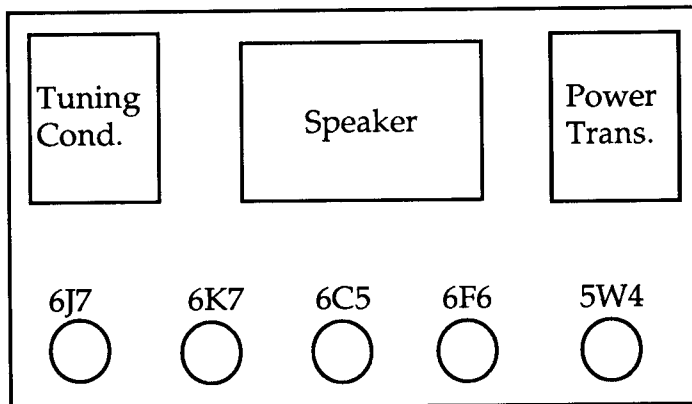
As you can see the name tag is a bit rough, so the model number is not clear, but I think it is model 5. It has the same chassis as a "Kompak". It has serial number 5 46578. I also have a Packard Bell blue plaskon "Kompak" with serial number 5 46461. So from what I can gather the chassis was made for Shelley by Packard Bell. In fact since these serial numbers are only 117 apart, it is conceivable that they were made on the same day!

The case is walnut veneer, and the front is brown bakelite. There are (and never were) no bars in the corner of the faceplate like those on the photos you showed me of the white Shelley. The dial says "Commuter" at the top, and is a scene of the San Francisco bay from the Sausalito side looking towards the city. The knobs are wood and are original. The grille cloth is not original. I understand that your article is for sets in 1934-1935. I guess that this set was made in 1935 as the metal tubes were introduced in '35 according to an RCA factory brochure describing the new metal tubes. The Golden Gate bridge was opened in October 1938. So this makes me question when the set was made; possibly before the bridge was opened? Any ideas from the serial numbers? - c k

The tube lineup is as follows:

6J7 - Oscillator, 6K7 - IF, 6C5 - Detector & 1st audio, 6F6 - output, and 5W4 - rectifier. A diagram is below:





Shelley Kompak

I got this set from my next door neighbor. He came into the garage one day, and plunked this set on the workbench and said "You can have this piece of junk, if you can get it working." He said it was in the garage for years, and was there when they bought the house. It was a basket case; the cabinet was seriously water damaged, and I didn't look at the set closely until some weeks later. It was only then that I realized it had the Golden Gate Bridge on the dial. WOW! I knew that I had something special.

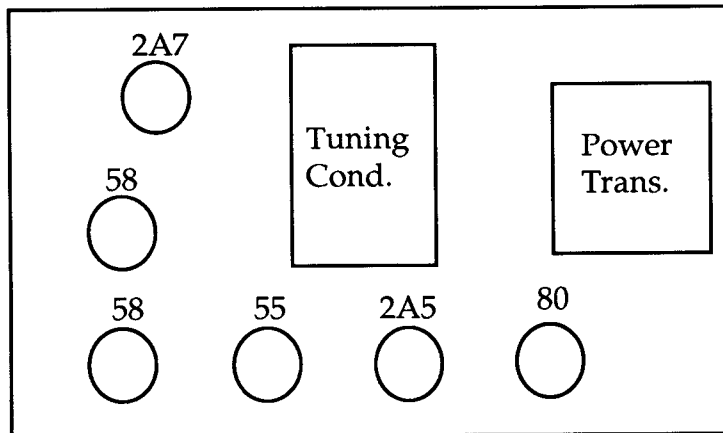
Now for the Radiobar:

I have enclosed a photocopy of the 1936 Radiobar brochure that was in the storage compartment of the radio when I purchased it from the original owner's estate last February. The set belonged to the Aunt of a Ham Radio friend of mine. With a Philco chassis it would be a model 528-P-620. It appears that starting in 1936, Radiobars had Philco chassis' as standard equipment. This leads me to believe the set was from 1934 or '35. As I mentioned it has another chassis, most likely made in L.A., so I'm not sure what the model number is. It is a pretty cheap chassis, and since the retail price in '36 was \$241.50, the money clearly didn't go into the radio itself; it is typical of a \$25 table radio of the time. It is however a beautiful piece of furniture. Even folks that have no interest whatsoever in radios drool over this one. The finish is original, and the chrome is in excellent condition. I spent many hours cleaning it up, though. It also has all of the original accessories and glassware, sans one glass. The glassware is very interesting. There is a ripple pattern that you can see best in the two glasses on the right. The thin bands are black, and the wide bands are silver. The caps on the bottles are aluminum. There is also a little red light on either side of the rear chrome panel. Really neat!

I took a picture of the dial. It does say "Radiobar" and "licensed by RCA". The 'licensed by' is in microscopic print. At first glance of the dial, one would think it was a *genuine* RCA radio... not so!

The cheesy tube lineup is:

2A7 - Pentagrid converter, 2 ea. 58 - IF amplifiers, 55 - detector and 1st audio, 2A5 - output, 80 rectifier. A diagram is below:



Radiobar

If you take a close look at the photo of the chassis, you can see there is a speaker plug on the right side. I added this. The speaker was originally wired directly into the chassis, but the cable was so short and necessitated removal of the speaker to work on the chassis.

The power transformer has been replaced. It originally had an undersized Inca brand transformer, and was shorted, like most everything Inca made! I replaced it with one made by Peter Yanczer at Tesla Electronics in St. Louis. I ordered it from Antique Electronic Supply.

The grille cloth is also replaced. Originally it had cloth with the same pattern as the Philco 70 and 90. It was rough and water stained and apparently had a slight green cast, whereas the Philco cloth is gold. I determined this from the inside edges, and unexposed area behind the grille bars. I used reproduction cloth from Michael Katz. It is not as good as the original, though; it sags after several months, and it is nearly impossible to blow air through it!


The speaker is an 8" Magnavox electrodynamic type. Imagine, such a small speaker in such a **BIG** radio! The output transformer was originally mounted on the

speaker frame. It was bad and I didn't have one that would fit, so I mounted a new one inside the chassis.

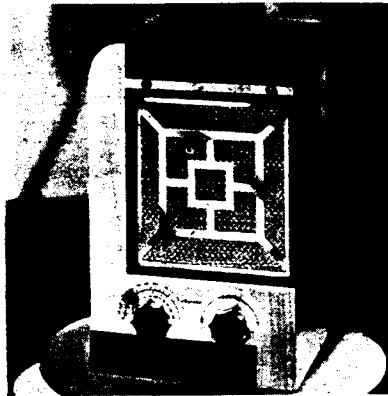
I have checked in Rider's to see if this set is listed, but no luck. So maybe you can help identify the model number with your Inca catalog.

That's about it. If you have any questions, please call. Evenings after 7:00 PM are best. I would appreciate you returning the photos when you are finished. I am looking forward to your article. I expect to be at the SCARS meet in February.

Regards and Happy New Year.

  
=Adam=

# NEW MERCHANDISE



Majestic Model 49

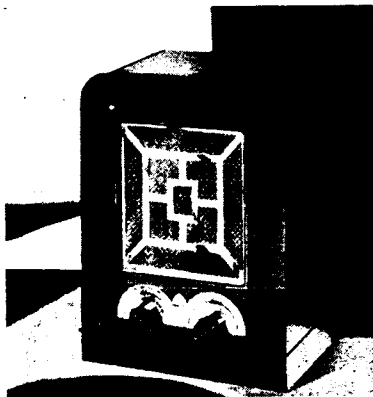
## Majestic Modernistic Midgets

Two new four-tube table models of ultra-modern design have just gone into production at the plant of the Grigsby-Grunow Co., 5801 Dickens Ave., Chicago. They are the Model 44, "Duo-Chief" and the Model 49, "Duo-Modern." The same chassis is used in each. The tube complement is as follows: 6A7S for detector and oscillator, 6F7S for i.f. and second detector, 41 output and 6Z5 rectifier.

A two-position switch is included to cover, in addition to the regular broadcast band, the 1480-3500 kilocycle wave lengths.

Model 44 comes in a cabinet of quarter-sliced red birch with an all-over finish of brown walnut. The grille is ornamented with a highly-polished aluminum design. Dimensions 11x8½x5½ in. \$21.50.

Model 49 is also made of quarter-sliced red birch with a two-tone finish in natural and ebony. Dimensions 11x7x5½ in. \$21.50  
—Radio Retailing, August, 1933.



Majestic Model 44

## Upco Pick Up

Both the old and new records (78 and 33½ r.p.m.) may be played with the balanced pick up of the Upco Engineering Laboratories, 254 Canal St., New York City. This company also manufactures a complete line of pick ups to meet manufacturers' special requirements and special types for portable combinations as well as radio and phonograph console styles.

In addition Upco builds special recording equipment for aluminum or celluloid recording and produces recording heads for both processes.—Radio Retailing, August, 1933.

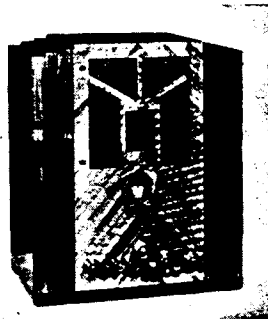
## Zenith Models 715, 702, 288

The Challenger, Model 715, of the Zenith Radio Corp., 3620 Iron St., Chicago, is a midget in a cabinet of maple burl. It is an eight tube superheterodyne with shadow-graph tuning, a.v.c. and 8 in. dynamic speaker. \$42.95.

A short wave receiver, Model 288, is also ready. This set operates on a wave band of from 12 to 560 meters and is equipped with a.v.c., sensitivity control and noise reducer, all-purpose oversize power transformer for operation on all cycles and all voltages, and uses the new 597-prong tube.

This set is housed in a European style modernistic cabinet of butt walnut with black lacquer trim.

In addition there is a 5 tube, long wave a.c.-d.c. compact receiver, Model 702, operating on a wave band of 200 to 600 and 1000 to 2000 meters.—Radio Retailing, August, 1933.



Zenith Model 288

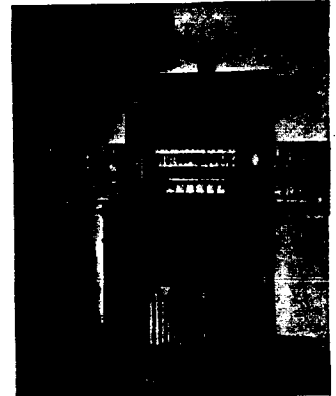
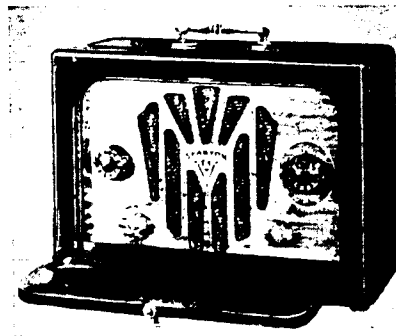
## Tube Checker

Radio City Products Co., 48 W. Broadway, New York, is making the Model 303 tube checker to test all tubes without adapters. Equipped with 4, 5, 6, 7, 8 and 9 prong sockets. Second plate button for testing both plates of all rectifiers, \$18.75 to dealer.—Radio Retailing, August, 1933.

## Sparton Models 61 and 62

Two small portable receivers have been added to the Sparton radio line, according to an announcement from the Sparks-Withington Co., Jackson, Mich. They are designated as Compact Models 61 and 62 and are priced at \$24.95 and \$30, respectively. These sets are five-tube superheterodynes and get short wave reception from 200 to 50 meters.

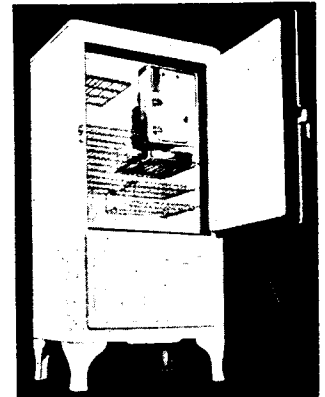
Model 62 is equipped with a handle for convenience in carrying. Both cabinets are of hand-rubbed butt walnut with marquetry inlay.—Radio Retailing, August, 1933.



## Radiobar

A combination radio set and bar, known as the "Radiobar," is being manufactured by the Radiobar Co. of America, 3584 Wilshire Blvd., Los Angeles, Calif. It may be had in different models, all cabinets being walnut with carvings of solid walnut. The radio receiver supplied is either an all-wave RCA licensed set or a Philco radio. The prices range from \$119 to \$295.

The illustrated Model 210B, \$295, is equipped with 24 topaz glasses, chrome plated combination spoon and measuring cup, bottle opener and corkscrew, six topaz decanters, 41-oz. cocktail shaker, large ice container, refuse container, tray, stainless steel knife and two electric lights. Space is provided 12 bottles of ginger ale.—Radio Retailing, August, 1933.



## Grunow Refrigerators

With the introduction of its "Progress" line the Grunow Corp., 4127 George St., Chicago, offers the trade three new electric refrigerators. They are known as Models 50-G (4.5 net cubic feet storage capacity); Model 60-G (5.5); Model 70-G (6.8). All three are of the same general appearance outside, the principal difference being in the interior storage capacity, the number of ice cubes and the shelf arrangement.

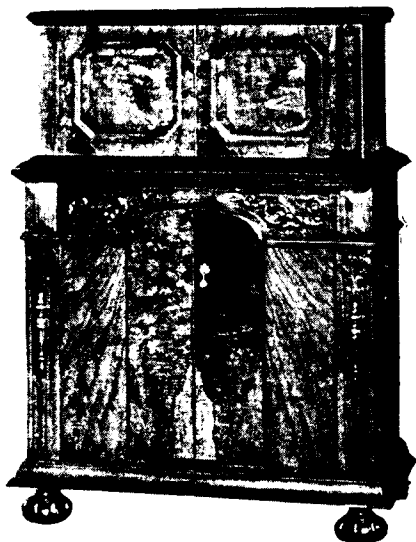
Each contains the standard over-size refrigerating unit using Carrene.—Radio Retailing, August, 1933.

## Westinghouse Mercury Switch

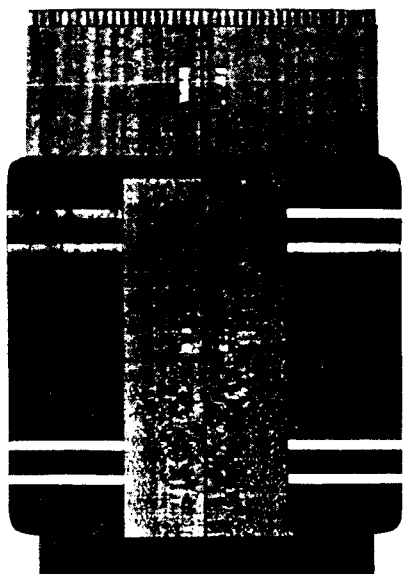
A new line of single pole, single throw switches, a.c. or d.c., made with nominal ratings of from 3 to 50 amp., is announced by the Westinghouse Lamp Co., Bloomfield, N. J. Contact is made by impact between 2 pools of mercury within refractory chamber encased in heavy glass walls.—Radio Retailing, August, 1933.

# Cash in Now on REPEAL with "RADIOBAR"

"Radiobar" open, ready for service. Equipment includes complete set of glasses, of special design, spoon, measuring cup, bottle opener and corker, also decanters with stoppers, cocktail shaker, funnel, ice container, refuse container, stainless steel knife and electric lights. Space provided for ginger beer or charged water bottles. Interior finished in heavy chrome.



"Radiobar" with 10-tube all wave RCA Licensed radio set in beautiful walnut cabinet. Price complete (tax paid) \$295.00. Model number 510; height 50 in.



## Here's a timely opportunity for immediate sales



"Radiobar" number 505 with 5-tube RCA Licensed receiver with 75 meter wave length switch. Price complete (tax paid) \$419.00. (Model 508 with 8 tube set \$469.00). Cabinet is 17 in. high.

**All Sets Licensed  
Under R.C.A. Patents**

(Left) Modernistic "Radiobar" combined with 8-tube all wave RCA Licensed radio set in cabinet of artistic, imported woods, inlaid. Price complete (tax paid) \$279.00. Model number 528; height 47 in.

Your customers can mix their favorite cocktails without going into the kitchen—a practical, money-making up-to-the-minute idea.

"Radiobar" has created immediate sales wherever it has been introduced.

Made in eight sizes to meet every pocketbook. Mail coupon below for details of sales plan.

**RADIOBAR CO. of AMERICA**

270 Park Ave., New York, N. Y.  
3582 Wilshire Bl., Los Angeles, Cal.

**RADIOBAR COMPANY OF AMERICA**  
270 Park Ave., New York City

Kindly send full information concerning the "Radiobar" sales plan with prices and discounts.

Name .....

Company .....

Address .....

# LIQUIDATION SALE

## of GRIGSBY-GRUNOW CO., Inc.

makers of *Majestic* Radios, Tubes, Refrigerators

by order of the UNITED STATES DISTRICT COURT

Pursuant to an order of the United States District Court, all of the machinery, equipment and inventory of Grigsby-Grunow Company is now being sold by the Trustee. An immediate inspection of the property is urged as sales are being made daily to many of the large concerns throughout the country.

The good will, patents, trade marks, trade names and the real estate are also being offered for sale.

The machinery consists of the very finest makes of all types of metal and wood working machinery, also a completely equipped tube, enameling and plating plant, all of which are in immediate operating condition.

The inventory consists of made-up parts, parts in process and raw materials for radios, refrigerators and radio tubes. The Service Department on all three items has been kept intact.

The GOOD WILL consists of the name "MAJESTIC" as applied to radios, refrigerators and tubes, which name has been extensively advertised throughout the world, and which is secured by copyrights in practically every country in the world including many other trade names, patents and copyrights.

The real estate consists of factory buildings having a floor area of approximately 950,000 square feet, suitable for any type of manufacturing.

The Trustee will receive offers for any part or parcels of

the assets. All machinery and materials of production are reasonably priced. Competent salesmen will be glad to assist buyers at the plant, 5801 Dickens Avenue, Chicago, Ill.

### REFRIGERATION SERVICE DEPARTMENT

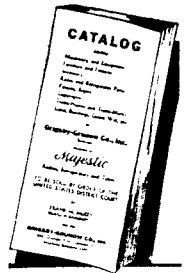
The Trustee, under order of the Court, has set up a Refrigeration Service Department, to maintain service and to sell service parts. This will maintain the name and prestige of "Majestic" and be an asset of major importance to anyone buying the "good will" of the company.

### SERVICE PARTS FOR RADIOS

There is on hand a considerable quantity of service parts for radios which are staple merchandise and are being sold to the users of millions of Majestic radios now in service.

### SEND FOR THIS CATALOG

Lists all of the assets. Free to prospective buyers. Mail request to Frank M. McKey, Trustee in Bankruptcy, Grigsby-Grunow Co., Inc., 5801 Dickens Ave., Chicago, Ill.



Cat. No. 14

List Price \$675



presents

### "NOISE-MASTER"

An ANTENNA Kit for Combating the Objectionable "Man-made" Noises on both Short-wave and Broadcast Bands.

Also "Explorer" Cat. No. 11 List Price... \$3.70

"Conqueror" Cat. No. 12 List Price... \$3.40 ... and there are others

CORWICO, famous for its antenna equipment and radio wire products, offers an antenna set-up to fit practically every local and special condition.

THE very latest in antenna design, engineered in true CORWICO fashion. Licensed under Amy, Aceves and King patents. Includes upper and lower transformer. Permits quiet reception on one aerial by two or more sets. Combats static on both short-wave and broadcast bands. Every service organization should incorporate this valuable kit as part of its selling equipment.

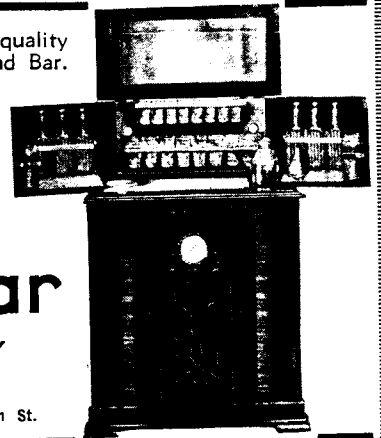
Write or Wire for Particulars

CORNISH WIRE COMPANY, Inc. 30 Church Street New York City

Meets the demand for a quality combination of Radio and Bar. \$95 up—complete with glassware, etc. A money-maker. Can be supplied without chassis.

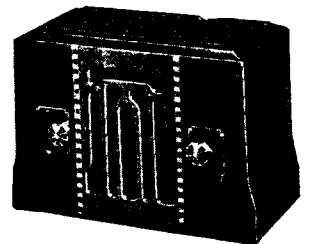
# Radiobar

RADIOBAR COMPANY OF AMERICA LOS ANGELES, CALIF. New York Showroom: 13 East 47th St.



### PROFITABLE RADIO LINE

Manufacturers of a complete line of AC-DC compacts and AC midjets. We are in a position to serve distributors, dealers, and special accounts both large and small.



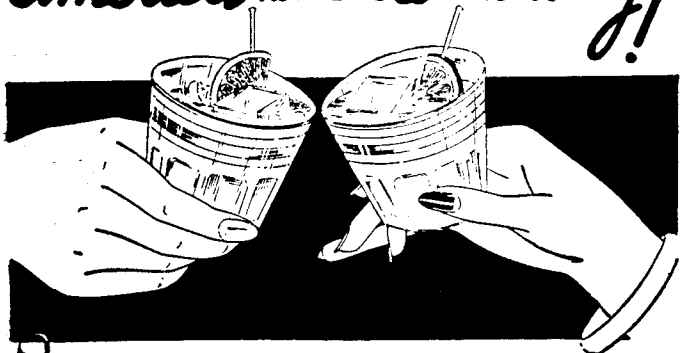
Model 44

Send for literature describing our complete 1935 line.

R.C.A. and Hazeltine licensed manufacturer.

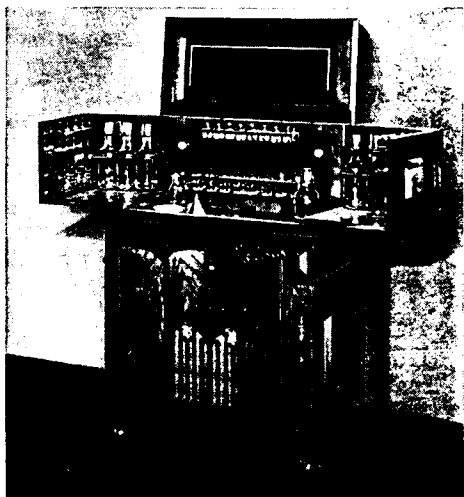
PACIFIC RADIO CORPORATION 844 W. ADAMS STREET, CHICAGO, ILL., U. S. A. Telephone: Monroe 0133 Cable Address: Pacradio Chicago

"America is now Entertaining!"



With **Radiobar**  
REG. U.S. PAT. OFF.  
**-AND RADIO DEALERS  
 ALL OVER AMERICA  
 ARE "CASHING IN"—**

There's a new feeling in the air, and in the retail radio business. The art of entertaining has miraculously changed. RADIOBAR, the world's most unique combination of a quality radio plus a strictly high-class, completely-equipped bar is *making money* for those thousands of alert radio dealers who are today stocking this beautiful, two-in-one cabinet. Many models at retail prices ranging from \$99.50 to \$295.00 (and without radio, but fully bar-equipped, from \$69.50 to \$215.00) are carried in stock at quick delivery points throughout the country. Don't put off this opportunity to increase *your* sales. Write or wire today for complete information.



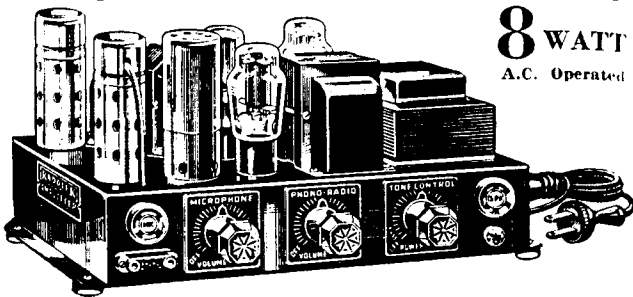
District Sales Representatives Wanted: Write or wire immediately to General Offices.

Above, Radiobar Model 510, a superbly fashioned Walnut cabinet completely equipped with 32 glasses in 4 sizes, 2 decanters, cocktail shaker, ice and refuse containers, electric lights and many other bar accessories, together with All-Wave (540 to 23,000 kilocycle) radio receiver; four bands, 11 tubes. **LEFT:** Radiobar model 525, with bar closed, a beautiful, modernistic cabinet. Just two of the many models available.

**Radiobar Company of America**  
 FACTORY AND GENERAL OFFICES  
 7100 McKinley Avenue,  
 LOS ANGELES, CALIF.  
 New York Showroom: 13 East 47th Street

**RADOLEK AMPLIFIERS**  
 bring AMPLIFIED PROFITS!

**8 WATT**  
 A.C. Operated



—the **HIGHEST GAIN AMPLIFIER** ever made in one unit

RADOLEK'S line of Quality Public Address Equipment covers every P.A. Need. A complete range of Amplifiers from 1 Watts to 60 Watts. Permanent sound systems, Mobile units, Portable systems, Battery operated and AC operated—each one precisely engineered and laboratory built, leaders in their respective class. This complete line is available to you at **LOWEST WHOLESALERS' PRICES**. Send for RADOLEK'S New P.A. Book—the greatest Catalog of Sound Equipment ever published. Arranged to show List Prices only. Start making money immediately. Send for your copy of this Book—today.

Above is shown the new RADOLEK AC operated, Superior-Quality, Four Stage, High Gain 8 Watt, All-Purpose Amplifier, designed to give **MORE POWER** and **BETTER PERFORMANCE** at **LESS COST**. Has all the New **FEATURES**; Individual Input Volume Controls, Plug-in Input and Output, Complete Mixer and Fader, Tone Control, Provision for either AC or DC Speakers and **TWO** Input Channels. All built in. No detached controls. Can be used with a Crystal Microphone or Carbon, Dynamic or Velocity Microphone. List Price, \$57.50 Complete with tubes. Standard Dealer discount.

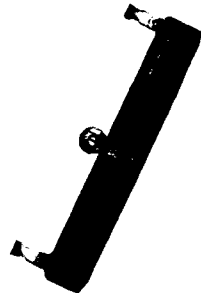
Send for the **NEW RADOLEK PROFIT GUIDE!**

It's now ready. Not just a catalog, but a Complete, New Radio Encyclopedia—Thousands of items accurately illustrated and clearly described. New charts, diagrams, valuable technical data. This Profit Guide is truly a "Guide" to Bigger Profits—Distribution is limited to active and legitimate Radio-Men. Send your business card or letterhead to be assured of getting your copy immediately.

610 W.  
 Randolph  
 Street

THE  
**RADOLEK**  
 COMPANY

Chicago  
 Illinois



Higher temperatures are employed in manufacture . . . than are ever reached in use

The very nature of Vitrohm insulation (vitreous enamel) necessitates that the tubes and wires be baked at temperatures high enough to make the *glass flow*, much higher than temperatures ever reached during use. Furthermore, Vitrohm is acid and moisture resisting and tough. It holds the wires rigidly and protects them from oxidation or mechanical damage.

Ward Leonard Vitrohm Units are made to meet every special requirement for electrical resistance.

**WARD LEONARD RESISTORS**

WARD LEONARD ELECTRIC CO.  
 South St., Mount Vernon, N. Y.

Please send me bulletin featuring Resistors.

Name: .....  
 Address: .....  
 City: ..... State: .....  
 Jobber: ..... RR

MAY 35

MODEL	PRICE	RANGE in Kc.	POWER SUPPLY	DIMENSIONS H, W, D	TUBES Metal in bold	I. F.
<b>Pilot Radio Corp. (Continued)</b>						
CX68 Console	\$94.50	545-18,800	DC	41 x 25½ x 13	6D6, 6D6, 6A7, 75, 43, 43	456
PX63 Phono-Comb.	150.00	545-18,800	AC	41½ x 26 x 17	6D6, 6D6, 6A7, 75, 42, 80	456
PX68 Phono-Comb.	165.00	545-18,800	DC	41½ x 26 x 17	6D6, 6D6, 6A7, 75, 43, 43	456
CX114 Console	149.50	530-23,500	AC	43 x 27½ x 14½	6D6, 6D6, 6D6, 76, 76, 6A7, 85, 42, 42, 5Z3, 6C6	456
PX114 Auto. Comb.	395.00	530-23,500	AC	45 x 40½ x 19	6D6, 6D6, 6D6, 76, 76, 6A7, 85, 42, 42, 5Z3, 6C6	456

<b>Radiobar Co. of America, †7100 McKinley Ave., Los Angeles, Calif. (Radiobar)</b>						
*107 Radiobar	\$99.50	530-4000	AC	54 x 45 x 13	6A7, 78, 75, 42, 60	460
*507 Radiobar	174.95	540-18,000	AC	59 x 53½ x 16½	6A7, 42, 75, 78, 78, 80	460
*528 Radiobar	268.50	145-18,000	AC	63 x 60 x 17	6A7, 42, 42, 42, 75, 78, 78, 80	460
*536 Radiobar	294.50	145-18,000	AC	62½ x 60½ x 19½	6A7, 42, 42, 42, 75, 78, 78, 80	460
*510 Radiobar	347.50	150-22,000	AC	66 x 65 x 18½	5Z3, 6A3, 6A3, 37, 42, 77, 77, 78, 78, 78, 76	460
* Philco Radio Chassis used.						
† Warehouse & Showroom at 13 E. 47th St., New York.						



<b>RCA Mfg. Co., Camden, N. J. (RCA Victor)</b>						
BT6-3 Table	\$39.25	540-6900	2DC	17½ x 14½ x 10	1C6, 34, 1B5, 30, 49, 49	460
BC6-4 Console	58.50	540-6900	2DC	37½ x 23½ x 11½	1C6, 34, 1B5, 30, 49, 49	460
BT6-5 Table	64.95	540-1720	*2DC	20½ x 14½ x 9½	1C6, 34, 75, 30, 49, 49	460
BC6-6 Console	83.95	5400-18,000	*2DC	38 x 24 x 12	1C6, 34, 75, 30, 49, 49	460
BT7-8 Table	62.95	540-1720	2DC	18½ x 14½ x 11	1C6, 34, 34, 30, 30, 32, 19	460
BC7-9 Console	78.95	5400-18,000	2DC	39 x 25½ x 14½	1C6, 34, 34, 30, 30, 32, 19	460
T4-8 Table	20.00	540-1720	AC	9½ x 17 x 6½	6A7, 6F7, 1-V, 41	460
T4-9 Table	24.95	540-1720	AC	8 x 10 x 4½	6A7, 6F7, 1-V, 41	460
T4-10 Table	19.95	540-1720	AC-DC	14½ x 13½ x 8½	6C6, 6D6, 38, 76	T.R.F.
T5-2 Table	29.95	540-3500	AC	16 x 13½ x 9½	6A7, 6B7, 6D6, 41, 80	460
117 Table	32.95	540-1720	AC	37½ x 23 x 9½	41, 80, 6A7, 6B7, 6D6	460
214 Console	44.95	2250-6850	AC	17½ x 14½ x 10	41, 80, 6A7, 6B7, 6D6, 6D6	460
125 Table	39.95	540-1720	AC	38 x 24 x 11	41, 80, 6A7, 6B7, 6D6, 6D6	460
225 Console	54.95	5400-18,000	AC	19½ x 16 x 11½	6L7, 6J7, 6K7, 6K7, 6H6, 6F5, 6F6, 5Z3	460
T8-14 Table	79.95	540-18,000	AC	39 x 25 x 12½	6L7, 6J7, 6K7, 6K7, 6H6, 6F5, 6F6, 5Z3	460
C8-15 Console	100.00	540-18,000	AC	40 x 26 x 11½	6L7, 6J7, 6K7, 6K7, 6H6, 6F5, 6F6, 5Z3, 6E5	460
C9-4 Console	118.50	540-18,000	AC	20½ x 17½ x 13½	6L7, 6J7, 6K7, 6K7, 6H6, 6C5, 6C5, 6F6, 6F6, 5Z3	460
T10-1 Table	99.50	540-18,000	AC	41 x 26 x 14	6L7, 6J7, 6K7, 6K7, 6H6, 6C5, 6C5, 6F6, 6F6, 5Z3, 6E5	460
C11-1 Console	150.00	540-18,000	AC	41 x 27 x 15½	6L7, 6J7, 6K7, 6K7, 6H6, 6C5, 6C5, 6C5, 6F6, 6F6, 5Z3, 6E5	460
C13-2 Console	189.50	540-60,000	AC	42 x 29½ x 15½	6L7, 6J7, 6K7, 6K7, 6H6, 6C5, 6C5, 6C5, 6F6, 6F6, 5Z3, 6E5	460
C15-3 Console	250.00	540-60,000	AC	42 x 26½ x 16½	6L7, 6J7, 6K7, 6K7, 6H6, 6F5, 6F6, 6E5, 5Z3	460
D9-19 Phono-Comb.	.....	540-1800	AC	43 x 30½ x 18½	6L7, 6J7, 6K7, 6K7, 6H6, 6C5, 6C5, 6F6, 6F6, 6E5, 5Z3	460
D11-2 Auto. Comb.	.....	6000-18,000	AC	43½ x 38 x 20½	6H6, 6H6, 6C5, 6C5, 6C5, 6C5, 2A3, 2A3, 2A3, 2A3, 5Z3, 5Z3, 6E5	460
D11-2 Auto. Comb.	.....	140-410	AC	9 x 9½ x 6½	41, 6A7, 6B7, 6D6, 6D6	175
D11-2 Auto. Comb.	.....	540-1800	AC	9 x 9½ x 6½	41, 6A7, 6B7, 6D6, 6D6	175
D11-2 Auto. Comb.	.....	6000-18,000	AC	6½ x 9½ x 6½	41, 6A7, 6B7, 6D6, 6D6	175
D11-2 Auto. Comb.	.....	140-410	AC	6½ x 7½ x 7	76, 84, 6A6, 6A7, 6B7, 6D6, 6D6	175
D11-2 Auto. Comb.	.....	540-60,000	AC			
M-101 Auto.	44.95	540-1600	*6DC			
M-104 Auto.	49.95	540-1600	*6DC			
M-108 Auto.	57.95	540-1600	*6DC			
M-109 Auto.	74.95	540-1600	*6DC			
R-93 Record Player	16.50	.....	AC—plays thru radio.			
* Inbuilt Vibrator.						

<b>Remier Co., Ltd., 2101 Bryant St., San Francisco, Cal. (Remier)</b>						
26 Portable	\$34.90	540-4100	AC-DC	6½ x 10 x 5½	6A7, 78, 77, 43, 25Z5	450
36 Auto.	59.50	540-1715	†6DC	7 x 11½ x 7½	6D6, 6A7, 6D6, 75, 76, 41	250
40 Portable	29.90	2200-6800	AC	6½ x 10 x 5½	6A7, 6F7, 41, 84	450
41 Portable	34.90	540-4100	AC	6½ x 10 x 5½	6A8, 6K7, 6J7, 6F6, 5Z4	450
43 Table	49.50	2200-6800	AC	10½ x 15½ x 8	6K7, 6A8, 6K7, 6H6, 6J7, 6F6, 80	450
62 Table	36.50	*540-1715	AC	10 x 14 x 7	6A8, 6K7, 6J7, 6F6, 5Z4	450
88 Table	79.50	540-1715	AC	17½ x 16½ x 10	6K7, 6A8, 6K7, 6J7, 6H6, 6A6, 6A6, 2A3, 2A3, 5Z4	450
* Also 2400 Kc. †B Eliminator Included.						

<b>Royale Radio Mfg. Co., 1417 W. Pico St., Los Angeles, Calif. (Royale)</b>						
48 Table	\$14.95	550-1750	AC	7½ x 10½ x 6	80, 42, 76, 6D6	.....
48A Table	15.95	550-1750	AC	7½ x 10½ x 6	80, 42, 76, 6D6	.....
53A Table	19.95	550-1750	AC	8 x 11½ x 6½	80, 42, 76, 6D6, 6C6	465
63A Table	29.95	530-16,000	AC	10 x 17½ x 8½	80, 42, 76, 6D6, 75, 6C6	465

<b>Sentinel Radio Corp., 2222 Diversey Pkwy., Chicago, Ill. (Sentinel)</b>						
32B69 Table	*\$29.95	540-1720	2DC	17 x 14½ x 12	1C6, 34, 1B5, 33	465
33B70 Table	*39.95	540-1720	2DC	21 x 15½ x 13½	1C6, 34, 1B5, 30, 13	465
33B71 Console	*59.95	2300-6300	2DC	37 x 22 x 12	1C6, 34, 1B5, 30, 13	465
35B70 Table	*49.95	540-18,100	2DC	21 x 15½ x 13½	1C6, 34, 34, 30, 30, 19	465
35B72 Console	*69.95	540-18,100	2DC	39 x 24 x 13	1C6, 34, 34, 30, 30, 19	465
34B73 Table	*49.95	540-1720	†6DC	16 x 12½ x 8½	1C6, 34, 1B5, 38	465
34B71 Console	*69.95	2300-6300	†6DC	37 x 22 x 12	1C6, 34, 1B5, 38	465
31B74 Table	*59.95	540-1740	†6DC	17 x 13 x 9½	1C6, 34, 34, 30, 30, 19	465
31B72 Console	*79.95	5800-18,300	†6DC	39 x 24 x 13	1C6, 34, 34, 30, 30, 19	465

Continued on page 44



COMPANY  
(1) RADIO PRODUCT SALES

ADDRESSES  
(1) 238 W. 15TH  
(2)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC/  
UNLIC.

PUB.  
SOURCE

~~CUSTOM~~  
CLIPPER

11

charlie Sexton  
RCA LICENSED

X YES

R.D. OCT 15, 1935

TECH. PIS, AUG 35

Embedded  
in cloth  
was  
- dupper ship -

RPS moves Apr 1935  
238 W. 15th St.

P.30 THE TECHNICIAN 1935 APR  
FEB 1935 - BUDDY BRONSON  
Wedding

CO. A.E. RAVENSCROFT

ADDRESS 1818 So. Grand  
ADDRESS

TRADE NAME MODEL	TUBES	KEY NAMES	LIC UNLIC	SOURCE	START STOP
* AERCO		A.E. RAVENSCROFT  ED FREITAS  BELIEVE IT WAS A 1935 PRODUCT MADE AT GILFILLAN LIC.		9-25-92 INTERVIEW	R.D. OCT 15-3
		KIERULFF & RAVENSCROFT SEPARATED BY SEPT 1933			START AUG 33
		IN OCT. of 33 KIERULFF & GODDARD WERE TEAMED UP AT 1121 VENICE BLVD IN NOV. of 33 A.E. RAVENSCROFT ANNOUNCED A NEW BUSINESS HANDLING FULL LINE OF RADIO PARTS & ACCESSORIES 9 + 1818 S. GRAND		Distribution Taking on National Union Radio tube	

\* INITIALS ARE A.E. RAVENSCROFT

COMPANY  
(1) REMINGTON R & T

(1) 1477 W. ADAMS  
(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIC/ UNLIC.	PUB. SOURCE
40-50	INCA CAT. P7	9 sets with 2 1/2V fil 9 " " 6V fil		
41				
4W				
156				
145				
44PA				

Flow  
see notes on  
Dunn Hall

doubt that a firm by  
this name ever existed

REMINGTON RADIO & TELEVISION CO.

Remington Radio and Television is credited with eighteen models  
offsets by the ~~INCA~~ <sup>INCA</sup> Replacement Bulletin of Winter and Spring 1938-  
1939. Nine of the sets used 2 1/2V. filament transformers:  
models 40, 50 270, 250, 150, 280, 41, <sup>4W</sup> and 43. The other nine  
sets used 6V filament transformers: models 44, 44PA, 45, 53,  
145, 156, 161, 259 & 381. The address of Remington R & T was  
1477 W. Adams. The likely starting date for Remington Radio  
and Television was circa 1933. (See Westone for more on  
Remington R & T.)

Most  
likely  
Dunn Hall

\* 1st appears in 1936 L.A. DIR. UNDER "RADIO SETS & SUPPLIES"

SHELLEY 1st appears in 1937 L.A. DIR. at 1841 So Flower.

September 15-30

# Radio Bowl

## Model of the Season!

PATENT PENDING

- 3-Tube Superhetrodyne - All Wave
- 3-Gang Condenser - Rigid Steel
- Chassis Full Dynamic Speaker
- Aeroplane Dial

Ask your dealer to demonstrate this sensational new radio receiver to you . . . TODAY!

**Only \$34.95!**



1417 West Pico Street

**ROYALE RADIO MFG. CO.**  
Prospect 8001

Los Angeles

# DAYRAD Test Equipment

Completely Fills Your Needs

You Need the New DAYRAD Set Analyzers

New Metal Tubes

DAYRAD has specialized in Radio Test Equipment always anticipated the needs of the industry. Our products have the highest quality and lowest cost.

5c A CO

Issued

Vol

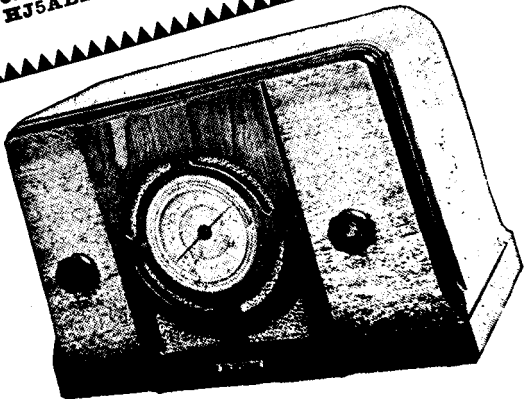
ABB

Barranquilla  
Daily, 3 to 7 p.m.

46.2  
Colombia

6.49  
HJ5ABD

4 to 7 p.m.



Radio

THE FIELD

\$19.95

Superhetrodyne

RADIO MFG. CO.,  
SANTO DOMINGO, P.R. 8001

...BOW!"

...PENDING

...eretrodyne - All Wave

...Condenser - Rigid Steel

...Full Dynamic Speaker

...eroplane Dial

...Model of the Season!

...our dealer to demonstrate

...nsational new radio

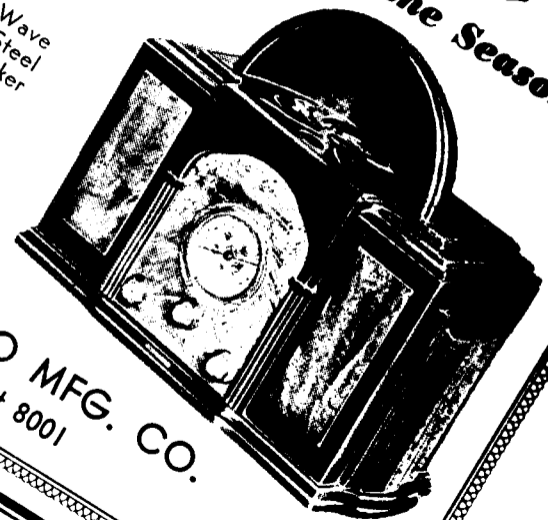
...to you . . . TODAY!

**\$34.95!**

**ROYALE RADIO MFG. CO.**

Street

PRospect 8001



**...ID Test E**

...tely Fil

Lo

COMPANY  
(1) ROYALE RADIO MFG. CO  
R.C. HULBERT LISTED IN 35 L.A. DIR.  
AT 1417 W. PICO - No. 36

ADDRESSES  
(1) 1417 W. PICO  
(2)

TRADE NAME MODEL	TUBES	KEY NAMES	LIG UNUE.	PUB. SOURCE
48A	<p>14.95 42, 76, 606, 80</p> <p>May 16, P10 1935 (same as 48 model)</p> <p>Aug 35 RD P14 80-12-76, 606, 606 } SUPERS</p> <p>80, 42, 76, 606, 75, 606 } 570-14,000 KC</p> <p>10 X 1 7/12 X 8 1/2</p>	<p>Bob Hulbert</p> <p>35 &amp; 36 L.A. DIR. HULBERT LISTED UNDER "RADIO SETS AND PARTS"</p>		<p>MAY 16, R.D. 1935, P. 31</p> <p>R.R. SOURCE 75, 76</p>

TRF. 29.85

# Royale Radio

**The Outstanding Model of the Season!**

**LEADS THE FIELD**

**"The RadioBowl"**

PATENT PENDING

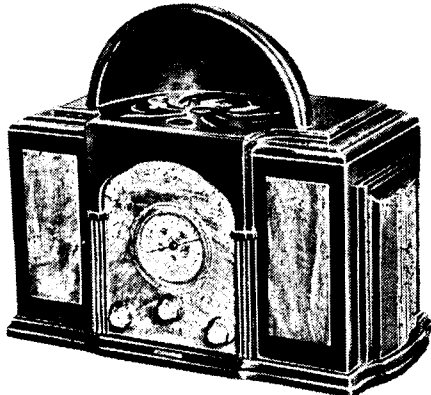
6-Tube Superhetrodyne - All Wave  
3-Gang Condenser - Rigid Steel  
Chassis - Full Dynamic Speaker  
Aeroplane Dial

Ask your dealer to demonstrate  
this sensational new radio  
receiver to you . . . TODAY!

**Only \$34.95!**

**ROYALE RADIO MFG. CO.**

1417 West Pico Street      PProspect 8001      Los Angeles



W  
75  
935  
P. 20

MAY 16-35 R.D. P. 10

COMPANY

ADDRESSES

(1) SHELDON RADIO CO.

(1) 2631 W. AVC 32

(33434 L.A. DIR)

(2)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC/ UNLIC.

PUB. SOURCE

SA-7

AUTO 6D6, 6F7, 6D6,  
85, 41, 41, 84

SHELDON

R.R. P 27, OCT. 33

6 SETS

6A7 tubes release in mid 33 } see  
6D6 " " " } tubes  
41 " " " } dev.  
89 ETC }  
about }  
1933 } all would  
have been  
32 design

all would  
have been  
32 design

TUBE COMP. - SYL  
IP 137

R.R. APT 33 P 25  
Models A 8, SA 5  
auto sets

A 8 - 8 tubes  
SA 5 - 5 tubes

See "L.A.R. M."

"The First Twenty Years"  
published in 1988  
for a Sheldon Radio  
article -



COMPANY  
(1) TROY

ADDRESSES

(1)  
(2) 1144 So. OLIVE (MOV. 0 SEPT-35)

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIQ  
UNUC.

PUB.  
SOURCE

840

8 TUBES (PIX)

RADIO, AUG. 35 P32

WOODER BARS  
6CCA

(1142 So OLIVE)  
DOORS OPEN, A BAR

PIX

RR. DEC 35 P34

5A

DOORS - SEVERAL  
FINISHES -  
COLORED MIRROR

DESCRIPTION

## Listening In . . . by Eleanor Alexander

The Winning of the West series has gone from fact to fiction and, as far as I'm concerned, from good to not-so-good. Although "Rawlings of the Range," the new story, is rather well written and excellently acted, I can't see any reason for rehashing the same old western story when there is such a wealth of historical material which has not only entertainment value but educational, as well. Even if the series has been running for years there is still plenty of true stuff left. (Note to the author: If you don't think so, give me a ring. I know some excellent yarns.) (KFI, Thursday at 7:30.)

Columbia's Six-Gun Justice, although short stories instead of a serial and much improved from the wild and woolly affair it was at first, has the same fault as far as I'm concerned. (KHJ, Wednesday at 5.)

An interesting and instructive program is KFVB's "Ports of Call." A sort of dramatized travelogue, it presents historical highlights from the various countries you visit in a form that brings them more vividly to you. (Monday at 8:30.)

For excellent entertainment in the biographical field, I recommend KFI's Men and Empires, dramatizations of famous men's lives. I particularly enjoyed that of Mozart, interspersed as it was with his lovely music. (9:30, Friday.) It made me think of the splendid series of composers' lives with a symphony orchestra under the direction of Raymond Paige which KHJ produced several years ago. How about a revival?

Add symphony music: The Boston Civic Orchestra which each time features the works of one composer and thus gives you an excellent opportunity to compare the relative merits of his various compositions. But why must we have only fifteen minutes of this music especially when it necessitates cutting off in the middle of a number? Nothing is more irritating. (KFI, Tuesday at 1:30.)

The Manhattan Choir is an aggregation of fine voices beautifully blended, singing, not hymns as the name might lead you to believe if you haven't looked the word up in the dictionary,

but charming selections both semi-classical and semi-popular. (KHJ, Thursday at 5.)

KFAC's Midday Interlude offers an intriguing combination of organ, guitar, mandolin, voice and poetry readings. Ralph Fortune's voice is pleasant and blends perfectly with the music, though if you weren't told you might have difficulty deciding whether it were tenor or soprano. (Daily except Sunday at 12:45.)

Something a little different in the news line is KMTR'S Pro and Con in which both sides of controversial questions are presented as well as a simulated interview which some character in the headlines of today. It's a splendid thing to have an unbiased interpretation of worldly events and I know of no other medium which presents it in this way. (7:15 Tuesday.)

(N.B. to certain KMTR artists: A sense of humor is a grand thing but it's just as well to keep it under control during a serious program. Oh, well, I suppose the chap *was* funny as Haile Selassie although he really was doing a good job.)

Well, well, I've found my Spanish program that isn't buried in conversation. Los Caballeros are really delightful too—typically Spanish. My only complaint is that you can't depend on them to be on the same time but if you're interested you might try KFOX at 3 Mon., Tues., Thurs., Fri., 2:15 Wed. and 2:30 Sat.

The time of that most pungent and amusing commentator, Delmar Edmundson, has been made a half hour later. In case you're one of those irate individuals who has vainly tuned in at 8 on Monday, I suggest you try 8:30 although I disclaim any responsibility in case of another change the minute this comes out. That seems to happen every time I mention the man. However I suppose I'm at least safe in saying the station is KHJ.

Tuesday, at seven, KNX offers a musical variety program with Wilbur Hatch's Orchestra and the voices of Drury Lane, Joe Bishop, Mary Kirk, Lawrence King and Charlotte Woodruff.



## PROGRESS

With great pleasure we announce another step forward in TROY PROGRESS. On and after September 1st we will be located at 1144 South Olive Street, our new and spacious quarters, which will offer greater facilities for distributing high quality Radios and for rendering the ultimate in prompt and efficient service.

- TROY Quality Radios—A.C., A.C-DC., Battery and Auto Models — Power Amplifiers and Address Systems — Radio Parts and Supplies — Test Equipment

Free, Easy Parking  
Prompt Deliveries  
Charge Accounts

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### TROY RADIO MANUFACTURING CO.

1144 SOUTH OLIVE ST. WHOLESALE DISTRIBUTORS LOS ANGELES  
RICHMOND 3434

## Utah-Carter Radio Products

Dynamic Speakers, Orthovox Speakers,  
Utah Replacement Vibrators

CARTER—Volume Controls, Jacks, Switches  
and Replacement Transformers

## Muter Candohms . . . Resistors

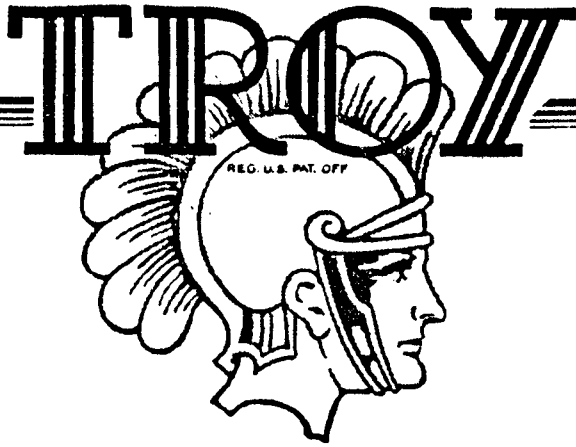
MUTER ALL-WAVE TUNING COUPLER  
For Doublet Antenna  
INCREASES VOLUME AND SELECTIVITY

California Representative

### LOMBARD J. SMITH CO.

425 EAST PICO STREET PROSPECT 4031 LOS ANGELES

—Also Representing—  
HOWARD B. JONES PLUGS and SOCKETS  
JANETTE CONVERTERS



# "The Aristocrat of Radio"

March 21st, 1939.

Hasco Radio-Television Service Co.,  
510 N. Jackson St.,  
Roseburg, Oregon.

Gentlemen:

In reply to your card requesting prices, we quote you as follows:

465 KC I.F. Transformers	©	.35¢	each
RF or antenna coils, unshielded		.20¢	each
RF or antenna coils, shielded,		.25¢	each
Oscillator coils, unshielded		.12¢	each
Small 2-gang variable condensers		.54¢	each
" 3-gang " " " "		.81¢	each
4" magnetic speakers:		.85¢	each
5" " " "		1.00	each
4" PM speakers		1.35	each
5" PM " "		1.50	each

All of the above prices are NWT, F.O.B. Los Angeles.

We have many other parts that we can furnish you and if you give us a complete list of your requirements, we will be glad to quote you the best prices. However, we would like some idea as to the quantity of each item would be purchased.

To date we have not received any information on the finger-size Hytron or Hivac tubes you mention, but have requested information and will advise you as soon as possible.

We have available at this time chassis of our Model EP-940 which measures 10" long, 4" deep and 5" overall height.

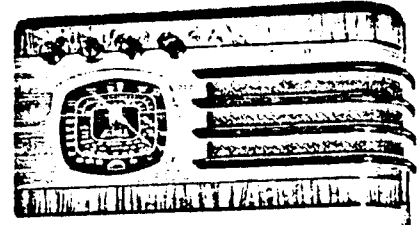
This chassis is equivalent in performance to models such as the PHILCO 71 PT, which you are probably acquainted with.

This receiver will furnish ample volume as it uses a type 1A5 tube in its output which will deliver 100 milliwatts to the speaker.



Size: 9 1/2" high, 16 1/2" wide, 7" deep, weighs 12 lbs.  
 two-tone high-finish walnut cabinet.  
 full-size tone-tested dynamic speaker. Beautiful  
 variable tone control. Troy station-listed dial, 6"  
 Modern mode styling, automatic volume control,  
 meters. Very powerful, sensitive and selective.  
 meters. Range 16.5 to 52 and 175 to 550  
 on r, police, airplane, and ship-at-sea calls.  
 Foreign, American or Orient reception as well as  
 — a marvelous distance getter guaranteeing  
 Troy 7-TUBE, SHORT-WAVE SENSATION

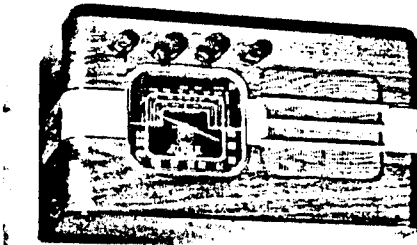
MODEL X-72-D



**AROUND THE WORLD  
 RECEPTION  
 WITH TROYS LATEST  
 7-TUBE SHORT-WAVE  
 SENSATION!**

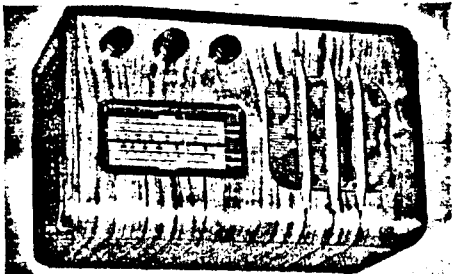
Size: 9 1/4" high, 16 1/4" wide, 7 1/2" deep, weighs 13 lbs.  
 able in AC-DC.  
 nut, satinwood or white with walnut. Also oval-  
 listed dial, cabinets in hand finish duo tone wal-  
 control, over-size dynamic speaker, station-  
 and selective. Automatic volume control, tone  
 and selective. Powerful, sensitive  
 52 and 175 to 550 meters. Two bands. Range 16.5  
 police, ships and planes. Orient reception guaranteed as well as amateurs,  
 long distance receiver with Foreign, American or  
 Trotter — an exceptional round-the-world  
 Troy 7-TUBE, SHORT-WAVE GLOBE

MODEL X-77



Size: 9" high, 14" wide, 7" deep, weighs 12 lbs.  
 satinwood or white.  
 home. Finished in hand rubbed two-tone walnut,  
 a child can tune it. A very practical set for every  
 to "needle-in-the-haystack" tuning—so simple  
 Troy slide-rule station-listed dial puts an end  
 automatic volume control, tone control. New  
 reception, has full-tone 6 1/2" dynamic speaker,  
 heterodyne circuit. Receives broadcast and police  
 former of exceptional value. Improved super-  
 Troy 6-TUBE SUPER—An outstanding per-

MODEL M-61



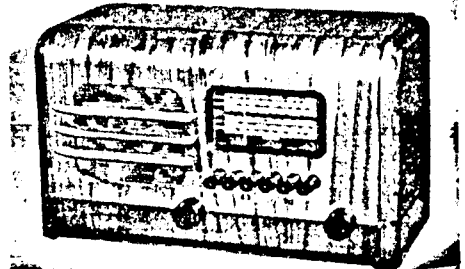
TOUR THE WORLD AT HOME . . . Explore the Ether Waves of the  
 Globe on Your Radio Dial . . . TROY Brings 'em in!  
 There are more World-Wide Events and Foreign entertainment being radio-  
 cast now than ever before. TROY All-Wave receivers are especially engineered  
 for marvelous performance giving exceptional selectivity and sensitivity in  
 reception, amazing reproduction of tone qualities and many other TROY  
 quality features . . . at prices surprisingly low!

**TROY PRESENTS Style-Beauty-Performance-UNSURPASSIBLE**

*Quick as a Flash-*  
**TOUCH TUNING**  
*Plus*  
**DIAL TUNING**

*Sensational*  
**TROY**  
*Features!*

**TROY**  
**RADIOS • PHONOGRAPHS**



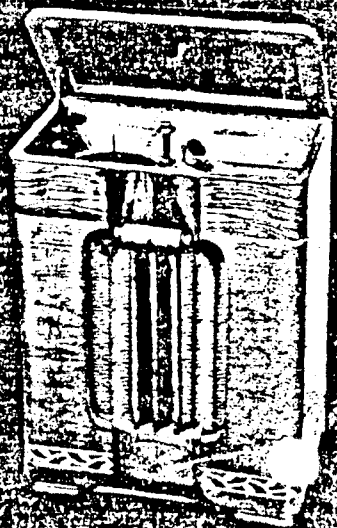
MODEL M-516  
 "The COMPLETE Radio"

• This new TROY touch Tuning Model is undoubtedly the Radio Sensation of the Year! It has everything a much higher priced set might have. It gets ALL the stations—ALL the time! Network stations can be tuned instantly—perfectly—silently—by merely pressing a button or, if desired, by conventional dialing. All stations in the entire broadcast band can be tuned by dialing. Troy touch tuning is so simple and fool-proof a child can tune it perfectly and accurately. TROY MODEL M-516 has slide-rule station-listed dial, also 6 push buttons, full-size dynamic speaker, automatic volume control, tone control, parking hand polished two-tone walnut cabinet.

- NEW TROY Touch Tuning.
  - TROY Station-Listed Tuning Dial.
  - TROY Mystic Tuning Eye.
  - Automatic Volume Control.
  - Variable Tone Control.
  - Extreme Sensitivity and Selectivity.
  - TROY Tone-Built, Hand-Finish Cabinets.
  - Super Construction and Workmanship.
  - Only the Finest Parts Available Used.
  - Full Tone Electro Dynamic Speakers.
  - Engineered to Highest Degree of Efficiency.
- TROY and DELCO AUTO RADIOS make motoring a real pleasure. A full line of 5, 6, 7 and 8 tube superheterodyne sets. Details upon request.

TROY RADIOS are licensed by RCA, Hazeltine and LaTour patents; approved by Underwriters Laboratories.

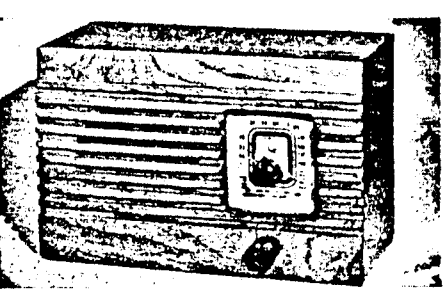
TROY RADIO & TELEVISION CO.  
 SOLD BY  
 FRED H. GIBERT  
 1157 JEAN COURT  
 MARYSVILLE  
 CA 95901



**TODAY'S GREATEST VALUES IN RADIOS**

# TROY RADIOS *Today's Greatest Values*

**The 1939 SENSATION**  
**QUALITY-PRICE-BEAUTY**  
 A Compact 5-Tube Outstanding Set  
 that challenges all comparison!

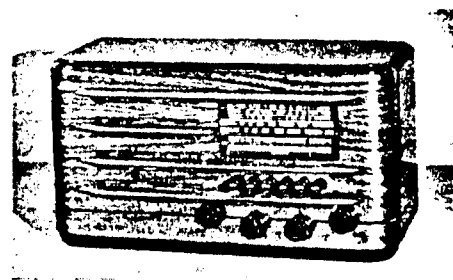


**MODEL M-41**

**TROY 5-TUBE CHALLENGER**—An ideal second set, powerful, outstanding in performance, pleasing in tone and appearance. Receives broadcast and police reception, has station listed dial, full-tone dynamic speaker; automatic over-tune control. Cabinets of beautiful walnut, also satinwood or white.  
 Size: 6¾" high, 10" wide, 5¼" deep, weighs 6 lbs.

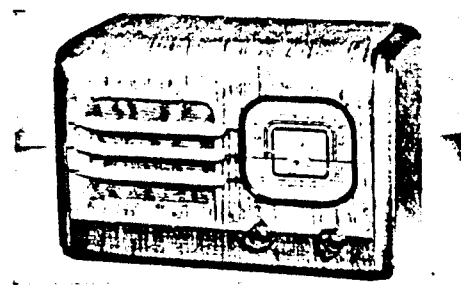
**THERE'S A TROY FOR EVERY PURPOSE . . . AND A TROY FOR EVERY PURSE!**

With a TROY you can enjoy the utmost in Radio reception at surprisingly low prices . . . for TROY always presents Today's Greatest Radio Values. There are many models of TROY Radios and Phonographs and a wide variety of cabinet finishes to choose from.



**MODEL M-626**

**TROY 6-TUBE SHORTWAVE SUPER**—A charming modern radio of distinctive beauty and performance. Gets Foreign, American and Orient reception, amateur, police and standard broadcasts. Has 6½" dynamic speaker; station-listed slide-rule dial; 6 push button station selector; volume control, tone control. Cabinets in two-tone walnut finish, satinwood or white.  
 Size: 8½" high, 15" wide, 6¾" deep, weighs 14 lbs.



**MODEL M-51**

**TROY 5-TUBE DE LUXE**—A sensational performer at an unusual price. Receives broadcast, and police reception. Up-to-the-minute eye-pleasing two-tone walnut, satinwood or white cabinet, station listed dial, full-tone dynamic speaker, automatic volume control. A most practical radio for personal use.  
 Size: 7¾" high, 11½" wide, 6" deep, weighs 9 lbs.

## TROY *Radio-Phonograph* COMBINATIONS

"PLAY THE MUSIC YOU LOVE BEST" . . . . . Whenever You Like!

You haven't experienced REAL home entertainment until you own a TROY Radio-Phonograph Combination Set! Regardless of what is on the air, you can always enjoy your favorite phonograph recordings played thru the radio set—opera, dance or symphony—any time you desire. A TROY Radio-Phonograph Combination brings you double entertainment at single radio price!



**MODEL P-51**

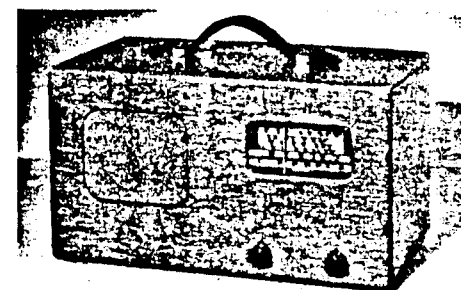
This **TROY RADIO-PHONOGRAPH** Combination includes genuine RCA Crystal-Pickup with self-starting electric motor, plays 10" or 12" records. Whatever selections you desire in music or other recordings may be played whenever your mood desires records or radio broadcasts. Very clear with high quality full-tone dynamic speaker, new slide-rule station-listed dial, automatic volume control. A choice of cabinet finishes in two-tone walnut, satinwood or white.  
 Size: 11" high, 14½" wide, 11¼" deep, weighs 19 lbs.



**MODEL P-626**

**TROY 6-TUBE SHORTWAVE RADIO-PHONOGRAPH Combination**—A sensational all-purpose set providing complete entertainment for all occasions. Outstanding features include genuine RCA Crystal pickup; self-starting electric motor; plays your favorite 10" or 12" records with the lid down, eliminating needle noises. Six push buttons give instant station selection. TROY station-listed slide-rule dial. Tunes in Foreign, American or Orient shortwave stations as well as police, amateur and standard broadcasts. Beautiful high-polish cabinets of two-tone walnut in modern styling.  
 Size: 11" high, 16" wide, 11" deep, weighs 24 lbs.

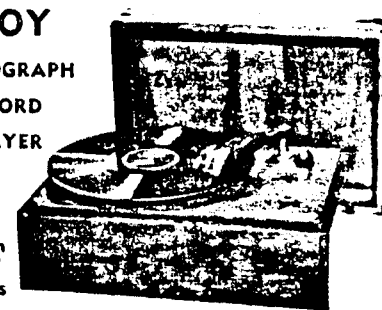
**New TROY PORTABLE Set**



**MODEL BP-640 PORTABLE**

**TROY PLAYBOY**—An amazing new battery powered radio; can be played anywhere, anytime—beach, mountains, desert, boat, train, auto, trailer, plane, or home—no wires necessary, Superb tone; swanky airplane cloth; weighs only 18 lbs.

**TROY  
 PHONOGRAPH  
 RECORD  
 PLAYER**



**Plays  
 10 inch  
 or 12"  
 Records**

**THIS NEW** Phonograph Record Player easily and quickly converts your radio into a double utility set that plays your favorite 10" or 12" recordings through your own radio. Has genuine RCA pickup, self-starting electric motor, tone control, volume control, hand rubbed walnut cabinet.  
 Size: 6¼" high, 13½" wide, 10" deep, weighs 9½ lbs.

1939 **TROY** P1092  
1939

**RADIOS AND PHONOGRAPHS**

List Prices from \$12.95 to 79.50

Model	Finish	Tubes	Speaker	Price
M-41	Walnut	5	4"	\$12.95
M-41	White	5	4"	14.95
M-41	Satinwood	5	4"	14.95
M-51	Walnut	5	5"	19.95
M-51	White	5	5"	20.95
M-51	Satinwood	5	5"	20.95
M-61	Walnut	6	6½"	24.95
M-61	White	6	6½"	25.95
M-61	Satinwood	6	6½"	25.95
M-516 •	Walnut	5	5"	23.95
M-516 •	White	5	5"	24.95
M-516 •	Satinwood	5	5"	24.95
M-626 □ •	Walnut	6	6½"	32.50
M-626 □ •	White	6	6½"	33.50
X-72D □	Walnut	7	6½"	32.50
M-72 AC-DC	Walnut	7	6½"	39.95
M-45	Mirror	5	5"	29.50

**PORTABLE BATTERY RADIO**

BP-640	Assorted colors	6"	32.95
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**RECORD PLAYER**

400-A	Walnut 10" or 12" Records	27.50
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**RADIO-PHONOGRAPH COMBINATIONS**

P-51	Walnut	5	5"	39.95
P-51	White	5	5"	41.95
P-51	Satinwood	5	5"	41.95
P-626 □ •	Walnut	6	6½"	49.95
P-626 □ •	White	6	6½"	52.95
C-170-AW	Walnut Console	7	12"	79.50
Troy & Delco Auto Radios			27.95 up	

□ Short Wave. M—Mantle. P—Phono-Radio.  
AW—All Wave. • Push Button Control.

**SOLD BY**

# SCARS GAZETTE

SOUTHERN CALIFORNIA  
ANTIQUE RADIO SOCIETY

1545 Raymond Ave.  
Glendale, CA 91201



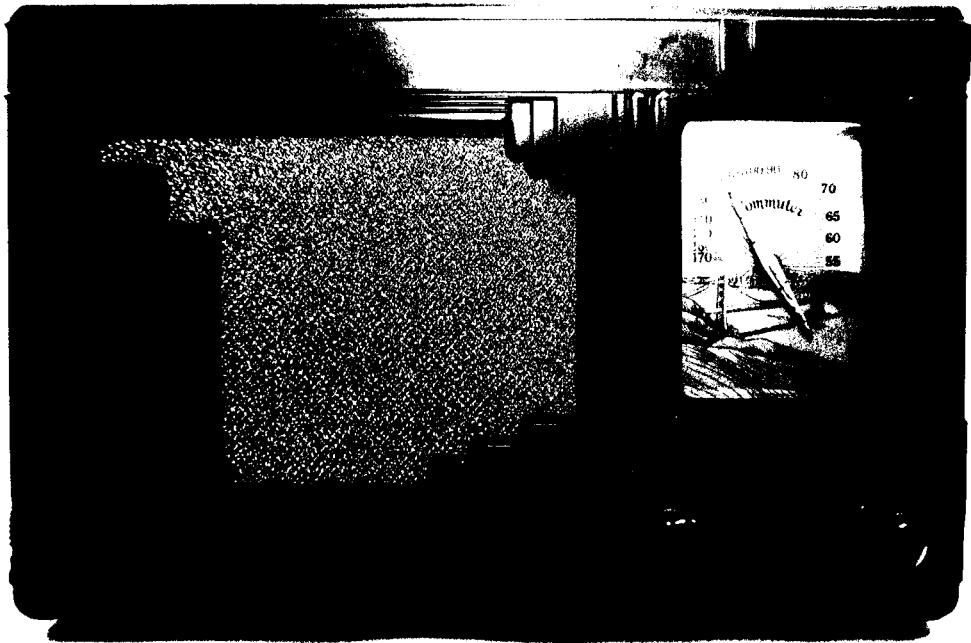
# FIRST CLASS

*William D. Hammer*  
*5 John Street*  
*38007*  
*3 Apartment 94536-1850*  
*CA*  
*San Jose*

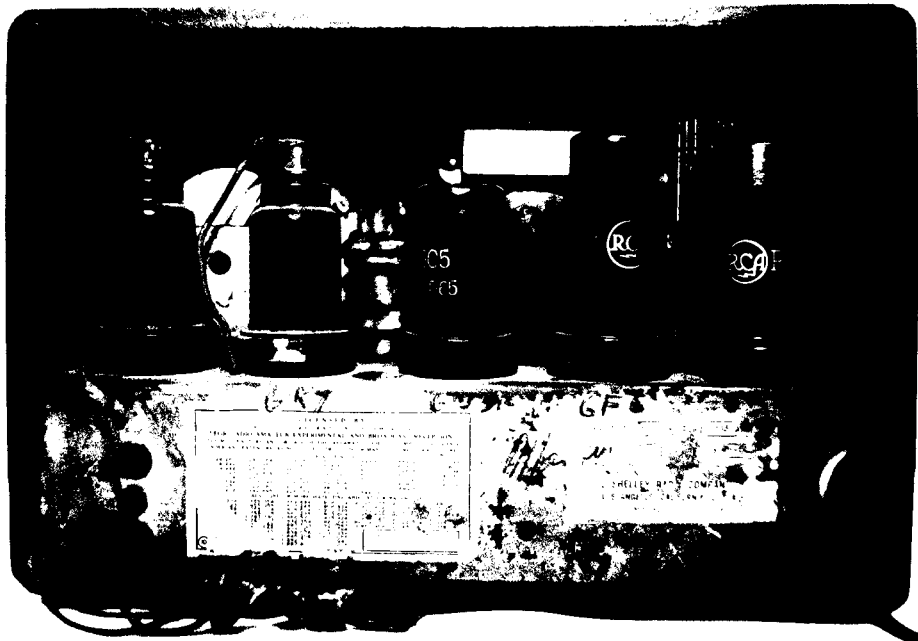


3 25 91





80	70
Commuter	65
60	
170	55



DESIGNED BY  
 12-10-35  
 TESTED AND APPROVED BY  
 THE RADIO SHACK ELECTRONIC AND INSTRUMENT DEPARTMENT  
 THE RADIO SHACK COMPANY  
 12-10-35

6K7	6G5	6F6	6X4	6AR5	6AV6	6BE6	6BD6	6BE7	6BE8	6BE9	6BE10	6BE11	6BE12	6BE13	6BE14	6BE15	6BE16	6BE17	6BE18	6BE19	6BE20	6BE21	6BE22	6BE23	6BE24	6BE25	6BE26	6BE27	6BE28	6BE29	6BE30	6BE31	6BE32	6BE33	6BE34	6BE35	6BE36	6BE37	6BE38	6BE39	6BE40	6BE41	6BE42	6BE43	6BE44	6BE45	6BE46	6BE47	6BE48	6BE49	6BE50	6BE51	6BE52	6BE53	6BE54	6BE55	6BE56	6BE57	6BE58	6BE59	6BE60	6BE61	6BE62	6BE63	6BE64	6BE65	6BE66	6BE67	6BE68	6BE69	6BE70	6BE71	6BE72	6BE73	6BE74	6BE75	6BE76	6BE77	6BE78	6BE79	6BE80	6BE81	6BE82	6BE83	6BE84	6BE85	6BE86	6BE87	6BE88	6BE89	6BE90	6BE91	6BE92	6BE93	6BE94	6BE95	6BE96	6BE97	6BE98	6BE99	6BE100
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SHELLEY BROS. COMPANY  
 12-10-35

6K7 6G5 6F6

Heathkit  
CRYSTAL RECEIVER  
HEATHKIT  
CRYSTAL SET  
1950

HOWE 1925  
XTAL SET



PHILCO "59"  
1930's



PACIFIC  
1934



AMERICAN  
BROADCAST LICENSING  
CORPORATION  
FEDERAL COMMUNICATIONS  
COMMISSION  
WASHINGTON, D. C. 20540

517

MODEL  V. A. T.

CYCLES  WATTS

Guaranteed against defects in work-  
manship & material for 90 days.

**SHELLY RADIO COMPANY**

LOS ANGELES, CALIFORNIA, U. S. A.

MADE IN U. S. A.

5 38822

5W4

5W4  
STANDARD  
50 CAP TUB

ON















1933-34-35

RADIO REC NOV 1932

COMPANY

(CORP.) TECH. JUNE 24, 1935

ADDRESSES

(1) WESTONE RADIO MFG. CO.  
PACIFIC RADIO CORP.?

(1) 2513 SO. LA SALLE  
5917 S. WESTERN (344 A. DIR.) 935  
(2) 1479 W. ADAMS

TRADE NAME  
MODEL

TUBES

KEY NAMES

LIC/ UNIC.

PUB. SOURCE

WESTONE

RADIO MFG. CO.

RADIO P26, JAN 33

"JACKSON-BELL"  
MODELS 20  
22  
27  
37  
45  
47  
50  
53  
55  
57  
60  
80

4-5-6-8 TUBES

6A7 like  
6K7s  
6P6-  
6G5 ETC

*Handwritten note:*  
This was a  
design for  
a 5 tube set  
designed for  
the Pacific Corp.

TUBE COMP SYL.  
1937 3 P109

"WESTONE"  
RADIO  
CORP.  
20  
34-4  
37-5  
40

4 58, 56, 2A5, 80  
2A7, 57, 58, 80  
5 57, 58, 56, 2A5, 80  
5 2A5, 2A6, 2A7,  
58, 80

could be  
32 design  
1933 design

"P158"  
SYL. BOOK  
ALL 50 RIDERS  
VOL 6 - SUPP.  
6-1, 6-2

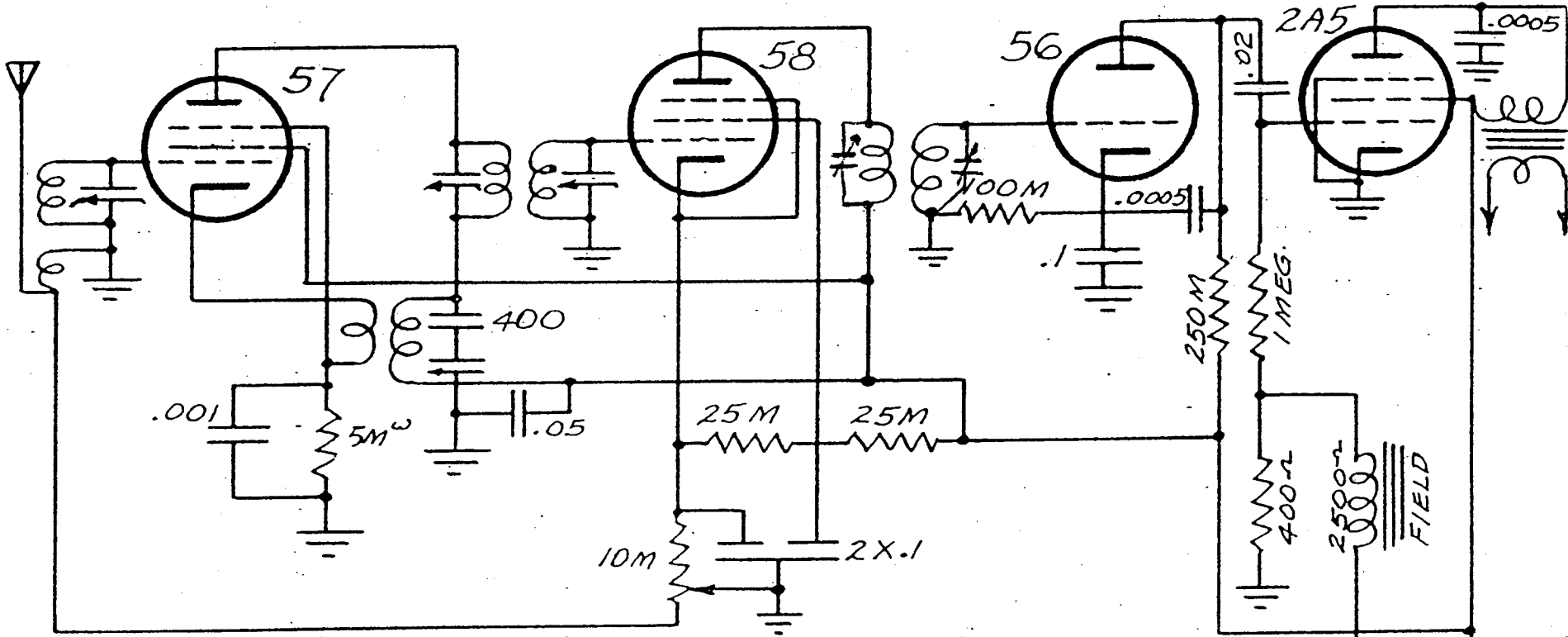
RADIO, JAN, 35 P10  
WESTON/S-B??  
RADIO NOV 1932 p63

westone Radio Mfg. Co

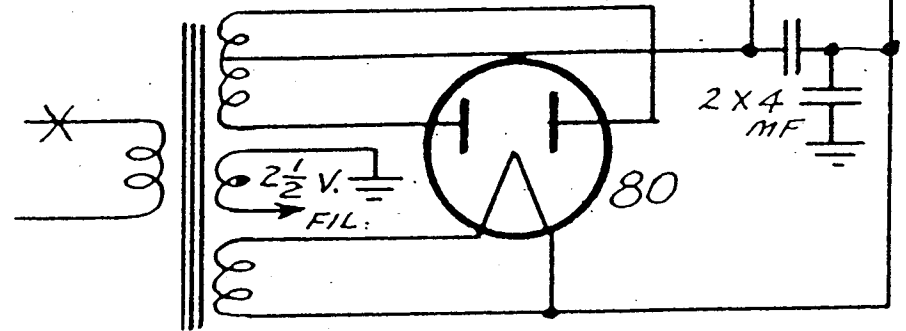
RE

"PACIFIC RADIO CORP."  
IN COPY 247 Dec 34  
K.R.

I.F. = 465



"JACKSON-BELL"  
MODEL 34 - FIVE TUBE  
("WESTONE" SCHEMATIC  
WITH TUNED SECOND I.F.)



October 25, 1998

Dear Mr. Paul,

I recently bought copies of your two books from A.R.C. They were not only interesting and informative, but solved a number of radio manufacturer location mysteries for me. I have a personal cross reference of radio manufacturers, their locations, associated manufacturers and model/trade names. The material was collected and compiled over the last 15-20 years from any seemingly reliable source that I came across. It amounts to almost two hundred typed pages at this time. There were a number of manufacturers listed whose city/state locations I was unable to determine until recently, with your help.

In return, I'd like to offer some information. On page 21 of the first book you have a short list of trade names of radios made at Gilfillan, but with unknown manufacturers. Checking my material I found listed for them:

Air Scout --Allied Engineering Inst. N.Y.C.; Allied Radio Corp. Chicago;  
Cisin, H. G. Co. N.Y.C.; Pilot Radio & Tube Corp. Lawrence, MS &  
Brooklyn, NY; Pilot Radio Corp. L.I. City & Yonkers, NY ;  
United Radio Mfg. Co. Gary, IN  
Commander --Garod Electronics Corp. Belleville & Newark. NJ; Hammarlund  
Mfg. Co. N.Y.C.; King Mfg. Corp. Buffalo, NY; LaCault, R. E. Co.  
N.Y.C.; L'Tatro Mfg. Co. Decorah, IA; Montgomery, Ward & Co.  
Chicago; Parker-McCrory Mfg. Co. Kansas City, MO  
Roamer --Allied Electric & Mfg. Co. Chicago; Allied Radio Corp. Chicago;  
**Brown & Manhart Co. Los Angeles**; Federated Purchasers, Inc.  
N.Y.C.; Firestone Tire & Rubber Co. Akron, OH; Montgomery, Ward &  
Co. Chicago  
Sierra --**Patterson Radio Corp. Los Angeles**  
Westone --**Pacific Radio Corp. Los Angeles; Westone Radio Corp. San  
Diego**

I've also come up with a connection between Allied and Pacific Radio in comparing my Allied A9700 series table model radio with a Washington state collector's Pacific Radio. They are identical except for the small brass "Pacific" tag on the front of his cabinet. I've also seen a Zephyr radio that appeared identical to the above radios.

Thanks for sharing your knowledge of California radios and their manufacturers. You did an excellent job.

Best Regards,

*Gerald Larsen*



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