

COMPLETE INDEX

FOR

**VOLUMES XVI, XVII, XVIII, XIX
AND XX**

AND

HOW IT WORKS

FOR

VOLUME XX



JOHN F. RIDER PUBLISHER, INC.

480 Canal Street

New York 13, N. Y.

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IMPEDANCE MATCHING OF RECEIVERS TO TRANSMISSION LINES

BY JOHN F. RIDER

QUITE frequently communication receivers have input impedance ratings which do not properly match the impedance of the transmission line which feeds it. Surprisingly enough such mismatch can very greatly affect the sensitivity of the receiver, so much so that we have, on more than one occasion, noted great dissatisfaction expressed by the owner of the receiver concerning its performance. The receiver was condemned, whereas in truth, there was nothing at all wrong with the receiver; rather it was a simple case of incorrect use of matching the line to the receiver.

Increase in sensitivity, amounting to as much as 18 db, has been noted when such a receiver was properly matched to its transmission line. The loss of this amount of signal strength in a communication system is sufficient in every case to very materially influence the utility of the device. The matching method to be described is intended to remedy such conditions.

Matching Considerations

It must, of course, be understood that any impedance-matching arrangement, which is based upon a match at a specific frequency such as shall be described, is most effective at the frequency used in the equation. However, it must also be understood that a certain latitude in operation prevails and while the matching may be done at one frequency, it will be found effective over a range of frequencies. Thus, if the center frequency of a band is selected, the matching system will be found to be effective over that band, provided that the band is not too broad, although the greatest effectiveness will be found at the frequency for which the match is planned.

Range of Frequencies

The range of frequencies over which an improvement will be noted with such a match is a variable depending a great deal upon the operating parameters employed. In amateur communication receivers, the design of the circuitry is such that if, for example, the 10-meter band is selected and an impedance match is planned at the midfrequency, or around 28.8 Mc, an improvement will be noted throughout the range of from 28 to 29.7 Mc. Naturally, the improvement will

decrease both sides of the match frequency, becoming least at the extremes of the band. This means that the choice of the matching frequency, relative to the portion of the band over which the receiver will be operated most in any one location, is an important consideration. This is so because the less the bandwidth over which the receiver is expected to perform, the less will be the loss when matching is accomplished at the midpoint or center frequency of that band.

For example, let us assume that, for one amateur station, the normal frequency of operation extends from 28 to 29 Mc and, in another station, it extends from 28 to 29.7 Mc. Let us further assume that the receiver in each case is matched to the transmission line at the center frequency of each band, which for the first case is 28.5 Mc and for the second case is about 28.8 Mc. If both stations are receiving a 28-Mc signal, a lower loss will occur with the station that is matched to 28.5 Mc. Admittedly, the difference is not too great but since communication operations demand the utmost in signal strength, such conditions warrant more than just casual thought.

Quarter-Wave Line

The basis of matching is the use of the impedance-transforming properties of a quarter-wave line which is shorted at one end and has the other end open. The open end joins the higher impedance of the two sources to be matched, which, in the example to be illustrated, is the receiver. Somewhere along the line between the open end and the shorted end is the point where the transmission line or lower impedance is connected as shown in Fig. 1. This point is dependent upon the ratio of the lower to higher impedance and hence upon the ratio of the line impedance to receiver impedance. Regardless of the characteristic impedance of a line, the open end of the shorted quarter-wave line will present a very high impedance. Therefore, the open end of a shorted quarter-wave line may be connected across a point without loading the circuit at that point. By tapping a feed point onto such a shorted quarter-wave line at the appropriate place along its length, the system can be employed to make one end look like the impedance of the load and the other end look like the impedance of the source, thus making the source devices see the proper impedances at the respective ends.

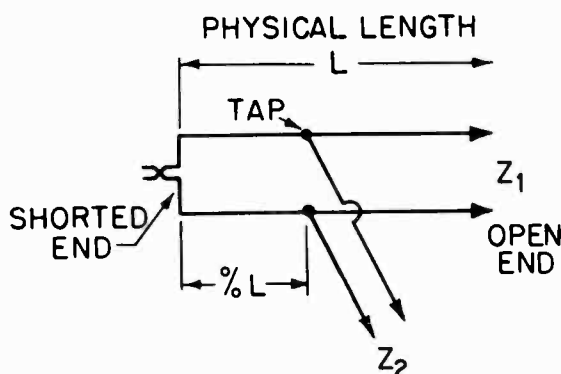


Fig. 1.—Diagram of quarter-wave stub used for impedance matching transmission line to receiver. One end of the stub is shorted and the other end open. The lower impedance to be matched is the one that is connected to the tap along the stub. The higher impedance is connected to the open end. Calculations as to the length L and the tap are included in the text.

Impedance Calculations

The determination of the impedance and physical length of the quarter-wave section and also the proper tapping point is simple if certain definite steps are followed. The impedance of the matching section is determined by the following equation

$$Z_s = \sqrt{Z_1 \times Z_2}$$

where Z_s is the impedance of the quarter-wave section, Z_1 is the impedance of the antenna transmission line, and Z_2 is the impedance of the load, which in this case is the receiver.

Let us take two typical cases. The first of these calls for the matching of a 52-ohm line to a 300-ohm receiver. Substituting these numbers into the equation above, as follows,

$$Z_s = \sqrt{52 \times 300}$$

results in the approximate answer of 125 ohms. This quotient indicates that the characteristic impedance of the line which will be used for the quarter-wave section must be 125 ohms. No such line is available commercially so that a compromise must be made by using that commercial line which most closely approximates 125 ohms. Such a line is the conventional 150-ohm line used in television systems.

Free-Space Length

Assuming that a line with a characteristic impedance of 150 ohms will be used one-quarter wave long, the next consideration is the determination of the free-space length of this line. In order to compute this

length, it is necessary to select the frequency at which the match will be made. Let us assume that operation will be carried on in the 10-meter band and that since, in the majority of cases, operation is limited to the band embracing 28 to 29 Mc, a satisfactory midfrequency is 28.5 Mc, so we shall use 28.5 Mc as the base frequency. The equation which gives the result in inches for the free-space length of this line is

$$\frac{2950}{f_c}$$

where f_c is the base frequency. Substituting our figures, the equation reads

$$\frac{2950}{28.5}$$

Thus the free-space length of this line is 103.5 inches. However, the determination of the free-space length of the line is only the first step. We must now determine the physical length based upon the velocity of propagation along the line. According to Table I relative to the commonplace transmission lines available on the open market, the velocity of propagation of the 150-ohm twin lead is 77 per cent, which means that the free-space length must be multiplied by 0.77 in order to arrive at the final or physical length of the line.

TABLE I

Line	Velocity of Propagation
75-ohm twin	68%
150-ohm twin	77%
300-ohm twin	82%
72-ohm coaxial (RG59U)	66%
95-ohm twin shielded	66%

This length is found to be 80 inches which means that the quarter-wave matching section made of 150-ohm twin lead will be 80 inches long. One end will remain open and the other end will be shorted by exposing a small piece of each of the conductors and soldering them together. The minimum amount necessary to enable soldering should be exposed.

Tap Location

The location of the tap where the transmission line will be connected is determined from Table II. Since Z_2 in our example is 52 ohms and Z_1 is 300 ohms, the ratio of Z_2/Z_1 is 17.3. As can be seen, this ratio lies between 0.15 and 0.20 on Table II or between 25 and 30 per cent in from the shorted end. An approximation corresponding to midway between these two limits results in the tapping point being about 27.5 per cent

from the shorted end. Since the line is 80 inches long, 27.5 per cent amounts to 22 inches, and this is the location of the tap from the shorted end.

TABLE II

STUB CONNECTIONS FOR SPECIFIC IMPEDANCE RATIOS

$\frac{Z_2}{Z_1}$	% of L from Shorted End	$\frac{Z_2}{Z_1}$	% of L from Shorted End
0.05	14	0.55	53
0.10	20	0.60	56
0.15	25	0.65	59
0.20	30	0.70	63
0.25	34	0.75	67
0.30	37	0.80	70
0.35	41	0.85	75
0.40	44	0.90	80
0.45	47	0.95	90
0.50	50	1.00	100

where: Z_1 is the larger of the two impedances
 Z_2 is the smaller impedance.

Courtesy Crosley Div. Avco Mfg. Corp.

Let us take another example in which the transmission-line impedance is 104 ohms, such as would be the case if two 52-ohm coaxial lines were used in parallel with the shields joined. The solution is as follows

$$\begin{aligned} \text{Stub impedance } Z_s &= \sqrt{104 \times 300} \\ &= 176 \text{ ohms.} \end{aligned}$$

Closest to this value is the 150-ohm line.

Free-space length for the midfrequency of the chosen band is

$$\begin{aligned} \frac{2950}{28.5} &= 103.5 \text{ inches.} \\ \text{Physical length} &= 103.5 \times 0.77 \\ &= 80 \text{ inches.} \end{aligned}$$

The location of the tap is computed as follows

$$\frac{Z_2}{Z_1} = \frac{104}{300} = 34.7$$

Percentage of L from shorted end (see Table II) is, therefore, approximately 41 per cent. Thus the tap length is

$$80 \times 0.41 = 32.8 \text{ inches.}$$

It is, of course, possible that the transmission line may have a higher impedance than the receiver. The solution of the matching-section length is carried out in exactly the same way as before except that the connections are inverted, that is, the open end of the line would be connected to the higher impedance, which is the transmission line, and the tapped point along the line would be connected to the receiver. For the sake of illustration, the process of solving a typical case,

such as a 600-ohm line and a 300-ohm receiver, is to use the 300-ohm impedance as Z_2 and the 600-ohm impedance as Z_1 , in which case the location of the tap will be midway along the length of the line. Such a match would require the use of a 425-ohm *open line* because commercial transmission lines approximating this impedance are not available. As can be seen, the application of such matching stubs is much more convenient when the transmission-line impedance is less than that of the receiver, if for no other reason than that commercial lines approximating the required impedances are more easily available. As a matter of fact, in the case just given where the transmission line is of a higher impedance than the receiver, the use of a 300-ohm twin lead in place of the 425-ohm open line would afford some benefit, although not as much as if the proper line were used. At any rate, it would be preferable to no matching section at all.

The early reference to the possible gain in signal strength may seem incongruous with respect to the losses due to impedance mismatch, yet it has been found in virtually every case that proper match of this type affords very substantial improvements. The possible reason for this is that the rating of receiver input systems is nominal and that, in many cases, the actual input impedance exceeds the nominal rating by an appreciable magnitude so that the match attained in this fashion is more beneficial than would be anticipated from a 4:1 or 5:1 mismatch in impedance.

Band Changing

It is, of course, natural to consider the matter of behavior of the bands other than the 10-meter band for which the impedance match is used. What is the action when the receiver, which is matched on 10 meters, is used on another band? Obviously a quarter-wave section on 10 meters becomes an eighth-wave section on 20 meters, and the match no longer prevails. As a matter of fact, it would be detrimental to operation. Thus, the individual who employs a communication receiver on various bands is faced with the problem of providing the number of such matching stubs between the transmission line and the receiver, each of which may be switch-controlled so as to place the proper line into the circuit. In the event that different antennas and different transmission lines are used for operation in the different joints, individual matching sections can be constructed along the lines described for each of the joints. The open ends of these stubs may all be connected at the receiver end without doing too much harm, provided that the receiver presents the higher of the two impedances involved in each of the stub calculations.

COUPLED CIRCUITS

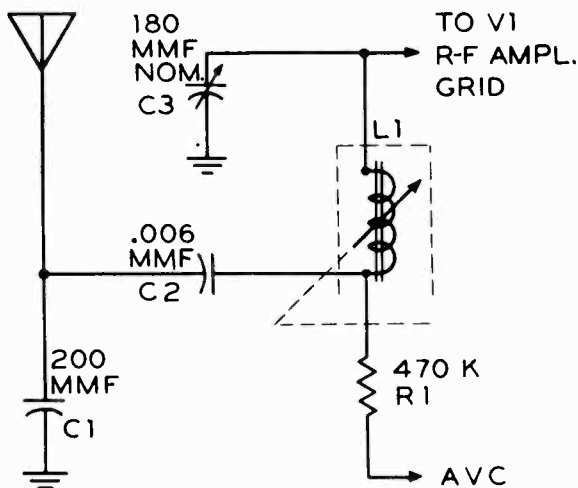
BY WILLARD MOODY

COMMUNICATIONS and standard commercial receivers use a variety of coupling methods for transferring energy from one part of a circuit to another. This energy may be in the form of a modulated or unmodulated r-f signal. It may, in some cases, be an i-f or an audio signal.

Various coupled circuits used in receivers shown schematically in Volume XX will be illustrated and described.

Motorola 309

The r-f input circuit of this set appears in Fig. 1. At first glance, the circuit appears to be quite simple.

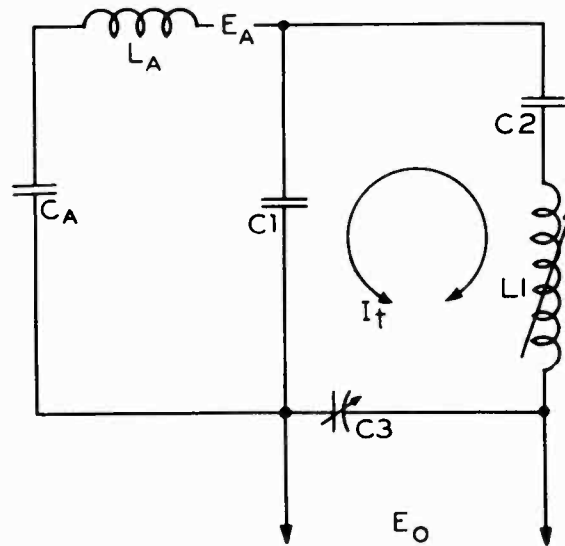


After Motorola

Fig. 1.—R-f input circuit of Motorola 309 auto radio.

Actually, there is more to it than meets the eye upon quick inspection. A careful study reveals some interesting aspects.

Suppose that, to simplify the analysis, we redraw the circuit as shown in Fig. 2. The capacitance C_A , for the sake of simplicity, may be assumed to be the lumped antenna capacitance, and the inductance L_A is the lumped antenna inductance.



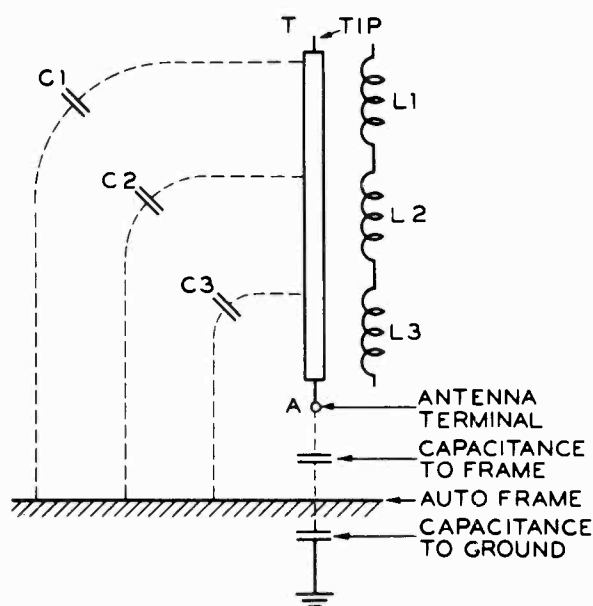
Courtesy Motorola

Fig. 2.—Equivalent and simplified circuit of Motorola 309 input arrangement.

How did we arrive at these assumptions? Consider that the antenna is a relatively short vertical wire or rod, much less than a half-wave long at broadcast frequencies. Then we have the equivalent antenna circuit shown in Fig. 3. The automobile frame is equivalent to a counterpoise and has such a large capacitance to earth or ground that we may consider the automobile metal body and frame to be at ground potential. As a vertical wire is used, its inductance will be the principal factor and its capacitance to ground will be relatively small. It will be a low-capacitance type antenna.

As we move along the antenna from the terminal A to the tip T we find that each elemental section of the antenna conductor has the property of inductance. We have shown L_1 , L_2 , and L_3 , as the series inductances. Every inch of the conductor, or even smaller linear parts, has an L value. If we add $L_1 + L_2 + L_3$, we get a lumped or sum inductance value which we have called L_A in Fig. 2.

Similarly, every inch of the conductor or point on it has a capacitance with respect to the frame of the car and, therefore, to earth or ground, since the car or

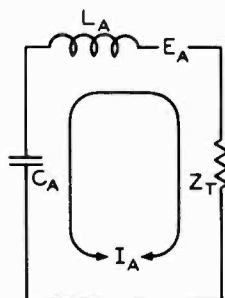


Courtesy Motorola
 Fig. 3.—Diagram of vertical antenna circuit used with auto radio.

automobile frame is virtually at ground potential. As we move from terminal *A* to the tip of the antenna, the capacitance of a point on the antenna with respect to ground decreases, since the distance between the point and ground has also increased. *C3* is greater than *C2*; *C2* is greater than *C1*, etc. Consequently, we can consider that the main component of capacitance will be *C3* and the return path for current flow at the end of the antenna will be *C1*. This end value is shown as *C_A* in Fig. 2, and it should not be confused with *C1* in Fig. 2 or Fig. 1.

As *C1* is very large, comparatively, and is in shunt with *C3*, with reference to Fig. 2 and Fig. 3, we can simplify the circuit considerably by neglecting *C3* and considering only *C1*.

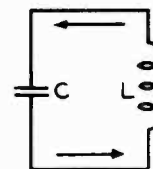
Now, with reference to Fig. 2, the voltage induced in the antenna when a radio wave links with it is marked *E_A*. This voltage causes a current to flow in the



Courtesy Motorola
 Fig. 4.—Equivalent series-resonant circuit.

antenna circuit, which is a series circuit consisting of *E_A*, *L_A*, *C_A* and the parallel *L-C* circuit. For further simplicity, this parallel *L-C* circuit of *C1*, *C3* and *L1-C2* may be represented by an impedance symbol *Z_T*, as shown in Fig. 4. At resonance of this circuit *C1-C3-C2-L1*, *Z_T* has a maximum value and the value of *I_A* is a minimum value. The voltage across *Z_T* is *I_A* multiplied by *Z_T* and is a maximum. Off resonance, the voltage decreases according to the slope of the selectivity curve, as in any tuned circuit.

This aspect of the *C1-C2-L1-C3* circuit as a series impedance *Z_T*, resistive in nature, is one feature of the circuit. However, from parallel resonant circuit theory, we know that when energy is fed to an *L-C* circuit such as that in Fig. 5, the circuit will oscillate and a maximum circulating current will be obtained at resonance. The frequency of resonance is given by the familiar equation or formula shown in the drawing.



Courtesy Motorola
 Fig. 5.—Simple *L-C* circuit in which oscillation occurs and exchange of energy between inductance and capacitance.

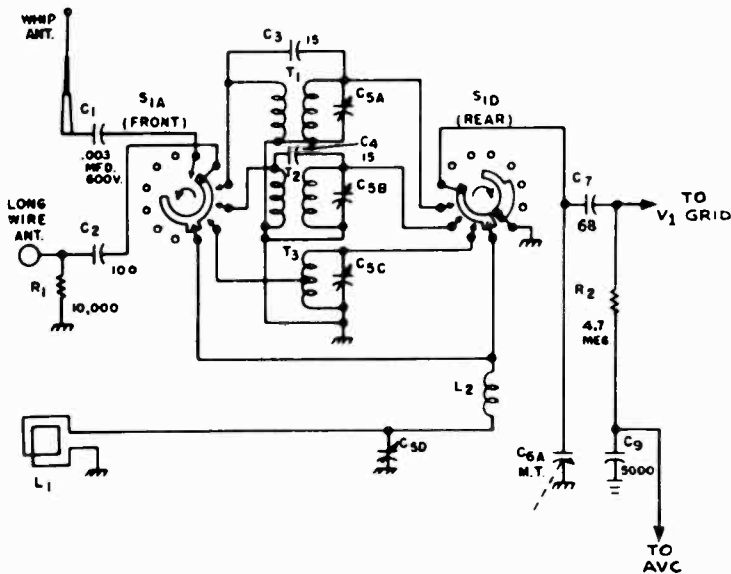
This current is marked *I_t* in Fig. 2 and is apart from the exciting current *I_A* in Fig. 4. In this receiver, the Motorola 309, from a practical standpoint, the tuning is controlled in traversing the receiver dial, by varying the inductance of *L1*. At resonance, when *I_t* is a maximum, the voltage across *C3* (Fig. 2) is also a maximum. This follows from the fundamental fact that *E_c* = *IX_c* in a capacitance circuit. Above resonance, the voltage across *L1* rises and that across *C3* drops, since the reactance of *L* increases and that of *C3* diminishes. This follows from the familiar formulas *X_L* = *2πfL* and *X_c* = *1/(2πfC)*.

C3 is essentially a trimmer capacitor which is adjusted at the high end of the band. The output voltage of the network is marked *E_o* in Fig. 2 and is the signal potential fed to *V1*, which is an r-f amplifier tube in the receiver.

This concludes the discussion on the Motorola 309 input circuit. It has been demonstrated that this circuit, which appears to be simple, can be considered more complex than would ordinarily seem to be the case, upon closer inspection.

Hallicrafters S-72

The input circuit of this receiver is shown in Fig. 6. The switching system permits selection of four bands



After Hallicrafters
Fig. 6.—Antenna input and switching circuit of
Hallicrafters S-72.

of frequencies. Band 1 extends from 550 to 1,600 kc ; Band 2 extends from 1,500 kc to 4.4 Mc ; Band 3 extends from 4.5 to 11.5 Mc ; and Band 4 extends from 11 to 30 Mc.

$L1$ is a loop antenna. $C5d$ is a trimmer on broadcast operation. $L2$ is an antenna loading coil used only on the broadcast band. $T1$ is used on Band 4 ; $T2$ on Band 3 ; and $T3$ on Band 2.

The bandswitch elements $S1A$ and $S1B$ permit selection of $L1$, $T3$, $T2$, or $T1$. The switch is shown in the broadcast-band position. The long-wire antenna circuit is connected through $C2$ and $S1A$ to $L2$ and $S1B$. The circuit then traces to the $V1$ grid circuit. The whip antenna is disconnected on Band 1, which is the broadcast band.

When the switch is rotated to the 2nd position, referring to $S1A$ and a counterclockwise direction, $S1B$ moves simultaneously in a clockwise direction. These two switch segments are ganged together by a common shaft.

On the 2nd position, $L2$ is connected to the tap on $T3$ for Band 2 operation from 1,500 kc to 4.4 Mc. The long-wire and whip antennas are connected to each other through $C2$, $S1A$, and $C1$. The $V1$ grid is connected to $T3$. The loop and $L2$ are out of the circuit.

In the third setting of the switch, the loop is disconnected from the $V1$ grid circuit, and $T2$ is connected to the whip and long-wire antenna circuit.

In the fourth position of the bandswitch, $T1$ is connected to the whip and long-wire antenna circuit and the loop is out of the circuit (not connected). As shown, the antenna input circuit coupling and characteristics are varied to suit the requirements for broadcast, medium, and high frequencies.

Motorola 79XM21

This receiver uses a rather unusual method of coupling the $V1$ r-f amplifier to the $V2$ converter. Fig. 7 is a breakdown circuit used for explanation. On f.m., the plate load for $V1$ consists essentially of $L4$ shunted by the input impedance of the following $V2$ stage. $R3$ is shorted by $S2B$ on f.m.

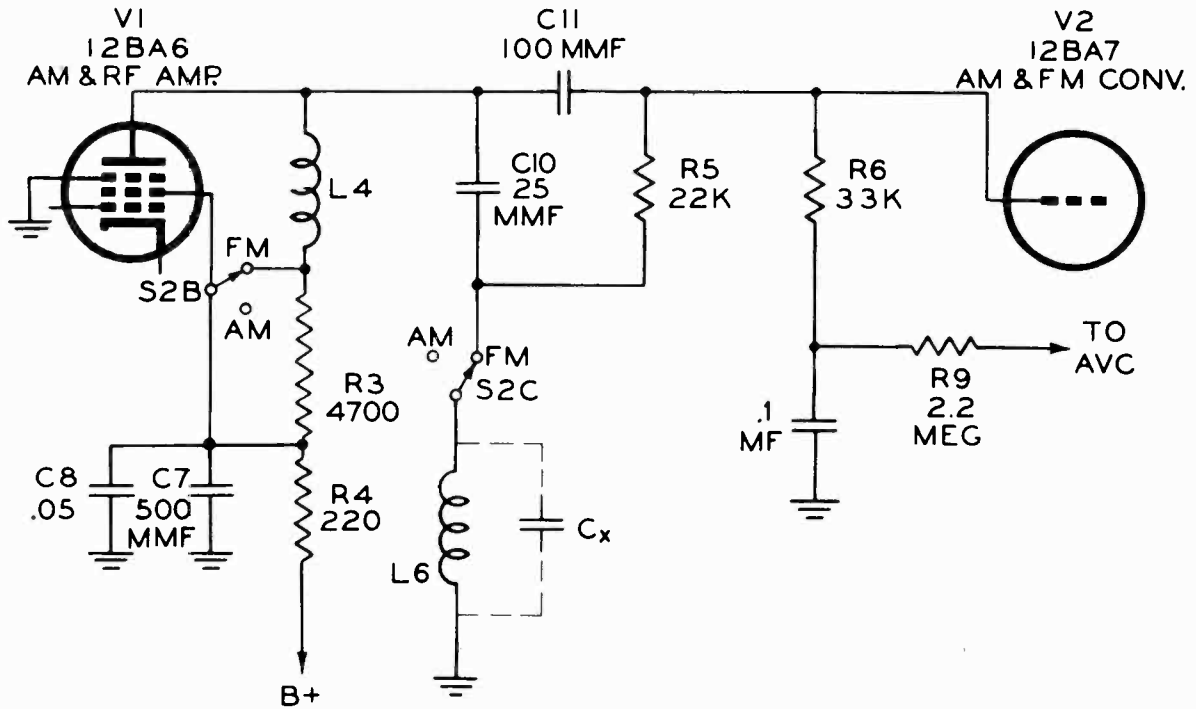
$S2C$ connects $L6$ in the circuit on f.m. As $L6$ is the equivalent of a parallel $L-C$ tuned circuit, functioning as a quarter-wave transmission line of variable length, we may visualize $L6$ as being a coil with a paralleled capacitance C_x . Both the L and C values of the line are varied as the shorting plunger is moved into the coil-capacitor ($L6$) assembly, and the shorter in electrical length the line is made, the higher becomes the operating frequency.

Conversely, as the line length is increased electrically, the frequency becomes lower. Basically, we know that maximum voltage across the load will be obtained when the impedance is a maximum, and this condition is secured at resonance for a particular frequency.

On f-m frequencies of the order of 88 to 108 Mc, the reactance of $C11$ is negligible and that of $C10$ is very small. Therefore, we can visualize, at resonance, a simple resistive impedance of high value between $S2C$ and ground, across the terminals of $L6-C_x$.

The voltage across this impedance is essentially that across the input circuit of $V2$, since $R5$ is small in value and the reactances of $C11$ and $C10$ are insignificant.

On a.m., $R3$ is not shorted by $S2B$ and the $V1$ plate load is essentially the total impedance of $L4$ and $R3$ shunted by the input impedance of the $V2$ stage. The impedance of $L4$, however, is so small as to be negligible at broadcast frequencies and the input impedance

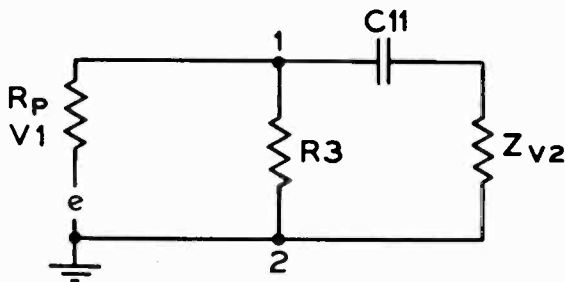


After Motorola

Fig. 7.—Coupling of *V1* r-f amplifier to *V2* converter in Motorola 79XM21.

of the *V2* stage is so high that, for all practical purposes, the *V1* plate load R_P is 4,700 ohms. *C10* has an appreciable reactance at broadcast frequencies and may be considered to have been removed from the circuit on a.m.

The coupled circuit now may be simplified to that of Fig. 8, as an approximation. Note that the f-m quarter-



Courtesy Motorola

Fig. 8.—Simplified coupled circuit in Motorola 79XM21.

wave line is out of the coupled circuit on a-m operation. With reference to Fig. 8, e is the internal voltage of *V1* considered as a potential generator, Z_{V2} is the input impedance of tube *V2* and the lower terminal of *R3* is

considered to be grounded since the reactance of the parallel combination of *C8-C7* may be considered negligible.

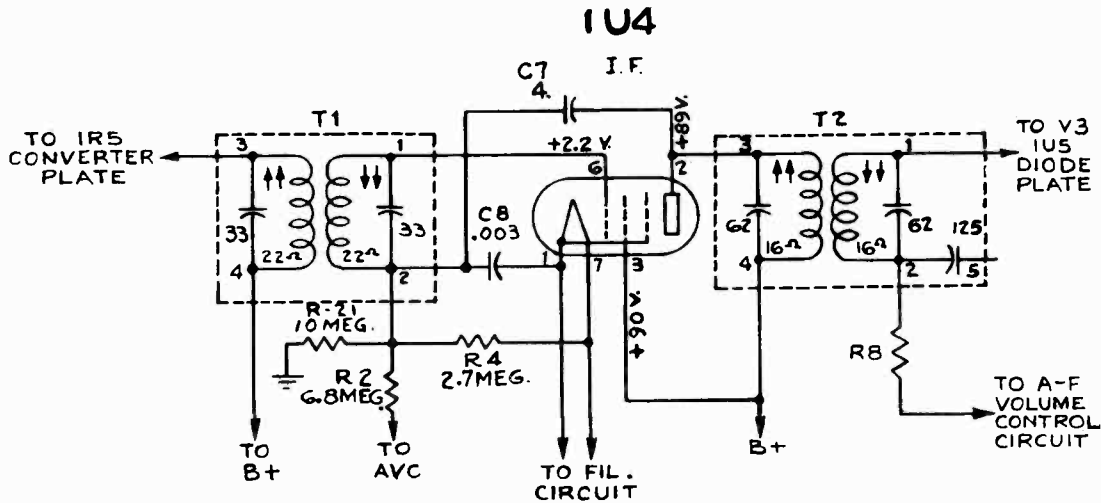
C11 and Z_{V2} , it is seen, form the elements of a simple voltage divider. The potential across *R3* is applied to Z_{V2} through *C11*, which is the linking element in the coupled circuit. The voltage attenuation of *C11* tends to increase with decreasing frequency, but as the input impedance of *V2* is essentially capacitive and rises with decreased frequency, a compensating or balancing action is achieved.

For maximum voltage across terminals 1-2, *R3* should have a high value, and the net impedance across these terminals should be high, but by making *R3* low in value a broader band-pass characteristic is obtained at the expense of voltage gain.

The tuned input circuit of *V1* is not shown here but is shown in the complete schematic in Volume XX, and is adequate for preselection on the broadcast band.

RCA 9BX5

Coupling between the 1U4 i-f plate- and grid-return circuits, shown in Fig. 9, results in gain reduction accompanied by increased stability at the i-f level. A



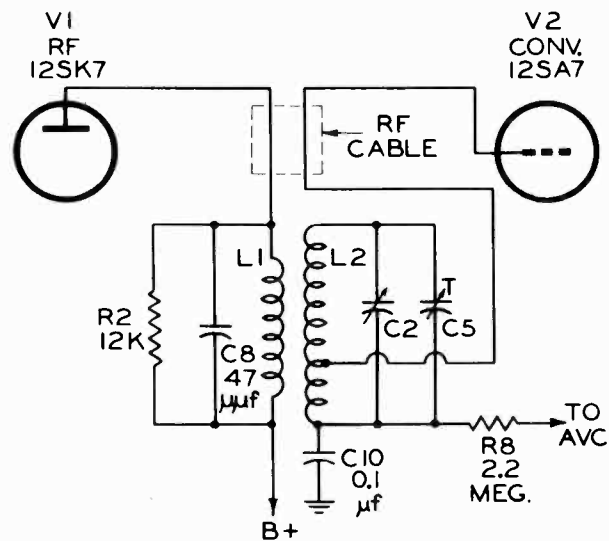
After RCA

Fig. 9.—Coupled circuit in RCA 9BX5.

signal voltage developed in the plate circuit is fed to C8, a 0.003- μ f capacitor, through C7, a 4- μ f unit. A voltage drop develops across C7 and the impedance of C8 is not large at the i-f level. However, only a small amount of voltage is required and a sufficient potential for the desired purpose, negative feedback, is obtained across C8. This potential acts in series with the grid-filament input circuit of the 1U4. As the feedback voltage is out of phase with the input voltage across the secondary of T1, partial cancellation results. The stage is thus limited in the tendency to oscillate, a trouble often encountered in i-f stages.

RCA 9X641

This receiver uses an unusual coupling circuit for signal transfer from r-f plate to converter grid, as shown in Fig. 10. L1-C8 is a resonant primary circuit. L2-C2, C5, is the usual resonant secondary circuit. However, the capacitance loading effect of the V2 input circuit is minimized by tapping down on the secondary coil and a voltage reduction is also secured. The primary purpose of the circuit is evidently to achieve selectivity and equalized sensitivity over the tuning range. Capacitive coupling at the high end of the band is obtained by means of the "gimmick", an r-f cable, shown in the drawing. An r-f voltage is transferred through this capacitance from the 12SK7 r-f plate to the 12SA7 converter grid. This is equivalent to the usual coupling capacitance or "gimmick" often found to provide coupling between the primary and secondary of broadcast antenna transformers in receivers.



After RCA

Fig. 10.—Signal transfer from r-f plate to converter grid in RCA 96X641.

Hallicrafters S-72

The output circuit of this receiver is shown in Fig. 11. This coupled circuit uses a transformer. The voice coil is connected in the circuit of Fig. 11, which can be simplified to the equivalent circuit in Fig. 12. The plug is out of the headphone jack. The voice coil is connected across a section of the secondary. The impedance of the voice coil is usually quite low, less than about 10 ohms. The impedance of the headphones will usually be quite high, 2,000 ohms or higher. To accom-

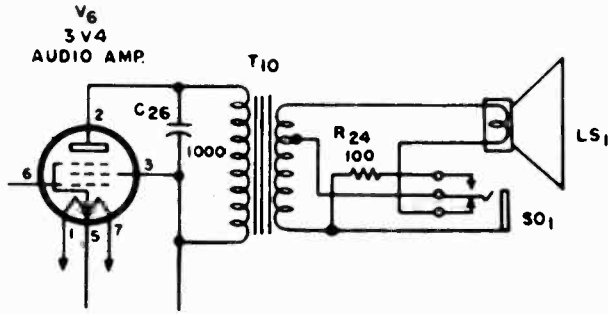
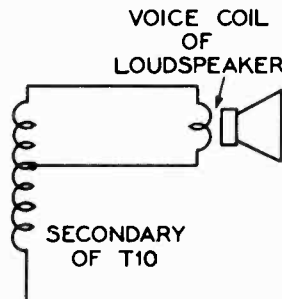


Fig. 11.—Audio output circuit of Hallicrafters S-72.

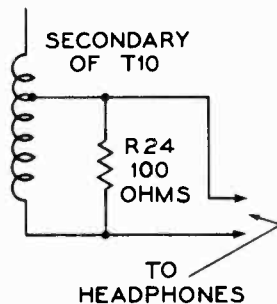
After Hallicrafters

Courtesy Hallicrafters
Fig. 12.—Secondary circuit of output transformer stage in Hallicrafters S-72 when loudspeaker arrangement is used.



modate the changed impedance of the circuit when a headphone plug is inserted in *S01*, the circuit is equivalent to that of Fig. 13. The voice coil is disconnected, silencing the loudspeaker. The 100-ohm loading re-

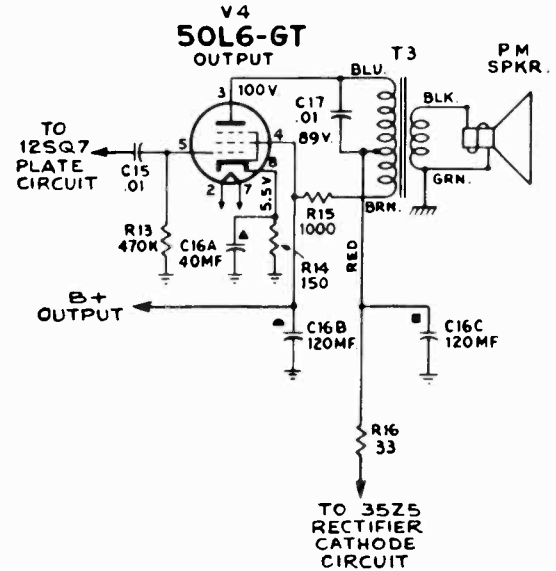
Courtesy Hallicrafters
Fig. 13.—Secondary circuit of output transformer stage in Hallicrafters S-72 when headphones are used.



sistor limits the voltage across the headphone circuit to prevent damage and overloading of the headphones.

RCA 9X571

Coupling between the upper section of the primary winding of *T3* and the lower portion permits hum cancellation in the output transformer. With reference to Fig. 14, a hum current may be assumed to flow from



After RCA
Fig. 14.—Hum reduction circuit in output stage of RCA 9X571.

the 50L6 plate to the primary tap, producing core flux having a hum frequency cyclic change. An opposite current, producing an opposing electromagnetic field and cancelling the first hum flux, may be assumed to flow from the screen circuit and *R15* through the lower portion of the *T3* primary and to the tap. The common path from the tap to the 35Z5 cathode is through *R16*. *C16C* assists in hum reduction.

Using the circuit arrangement described, economy and efficiency are obtained simultaneously.

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AEC-3RCMB	Misc.16-1	---	<u>AMBASSADOR DISTRIBUTION CORP.</u>		
PR-1, Radioette	Misc.18-2	---	141	Misc.17-1	---
PR-2	17-1	17-2	144	Misc.17-1	---
2RCM	Misc.16-1	---	<u>AMC</u>		
50	17-3	17-4	See ASSOCIATED MERCHANDISING CORP.		
<u>ALDEN, INC.</u>			<u>AMERICAN COMMUNICATIONS CORP.</u>		
40-1500	Misc.16-2	---	HK-2	Misc.19-3	---
1525	18-1	---	<u>ANDREA RADIO CORP.</u>		
1561	18-2	18-4	CO-U15	17-1	17-6
1562	17-1	17-4	CO-U15-R	18-4	---
1600, 1601	17-5	---	J-5B	18-1,2	18-3
1602L	17-6	---	T-16	16-1	16-3
1613L	17-6	---	T-U15	17-1	17-6
1636L	18-5	18-6	T-U16	16-4	16-5
1755, 1756, 1757, 1758	18-7	---	35H5	Misc.19-4	---
1800, 1801, 1802, 1803	19-1	---	<u>ANSLEY RADIO CORP.</u>		
1810	18-8	---	Dynaphone	17-6	17-9
1815, 1816	18-9	---	FM-4, FM Tuner	16-2	16-3
1818	18-10	---	WQXR	16-1	---
1855, 1856, 1857, 1858,			32A	C17-1	---
1859, 1860	19-2	---	53	17-1,2	17-5
1900, 1901	19-3	---	105, Dynaphone	17-6	17-9
1902, 1903	19-4	---	677, 678	16-4	16-5
1904, 1905	19-5	---	5111	16-5	16-6
1924	19-6	---	<u>ANSLEY RADIO & TELEVISION, CORP.</u>		
1955	19-7	---	113, Ch.	Misc.20-2	---
1996, 1997	19-8	---	707, 708, Ch. 113	Misc.20-2	---
<u>ALGENE RADIO CORP.</u>			<u>APEX RADIO & TELEVISION CORP.</u>		
Middie	17-6	17-7	25	17-1	17-2
AR6M	17-1	17-2	8146, 8347	17-3	17-6
	17-6	---	<u>APPROVED ELECTRONIC INSTRUMENT CORP.</u>		
AR404, Jr.	17-3	17-5	F-M Tuner	17-1	17-5
AR406, Middie	17-6	17-7	A-600	20-1	---
<u>ALLIED PURCHASING, INC.</u>			A-600 AC	20-2	---
<u>(ARIA)</u>			A-710	20-3	20-8
554	17-1	17-3	<u>ARCADIA</u>		
558	17-4	17-6	See WELLS-GARDNER & CO.		
571A, 571B	17-7	17-9	<u>ARC RADIO CORP.</u>		
571X	17-10	17-12	601	16-1	16-2
572	17-6	---	<u>ARIA</u>		
	17-13	17-15	See ALLIED PURCHASING, INC.		
579	17-6	---	<u>ARTONE</u>		
	17-16	17-17	See AFFILIATED RETAILERS, INC.		
701	Misc.19-2	---	<u>ART RADIO CO.</u>		
<u>ALLIED RADIO CORP.</u>			6-Tube	Misc.19-5	---
<u>(KNIGHT)</u>			See NOBLITT-SPARKS INDUSTRIES, INC.		
4B-170	18-1	---	<u>ASSOCIATED MERCHANDISING CORP.</u>		
4E-515, 4E-516,			<u>(AMC)</u>		
4F-515, 4F-516	19-1	19-2	125P	18-1	18-2
5B-171	16-1	---	125Z	18-3	18-4
	16-6	---	126	19-1	19-2
5B-175, 5B-176, Ch. 200	16-2	---	<u>ATLAS COIL WINDERS, INC.</u>		
5C-185	17-1	---	FMF-3, Tuner	20-1	20-2
5C-290	17-2	---	<u>ATLAS SUPPLY CO.</u>		
5D-250, 5D-251	19-3	19-4	Misc.17-2		
5D-455	19-5	---	<u>AUDAR, INC.</u>		
5E-250, 5E-251	19-3	19-4	PR-6	19-1	19-2
5E-455	19-5	---	RER-9	18-1	18-3
5E-457	20-1	---	<u>AUTOMATIC RADIO MFG. CO., INC.</u>		
5F-525, 5F-526	19-6	19-7	<u>(TOM THUMB)</u>		
5F-560, 5F-561	20-2	---	Bike Radio	19-1	19-2
5F-565	19-8	19-9	Tom Boy	17-1	---
5G-563	20-2	---		17-8	---
6A-127, Revised	C18-1	---			
6B-122	16-3	16-5			
6B-127	C18-1	---			
6B-155, 6B-156	16-6	---			
6C-122	C18-2	---			
6C-127	C18-1	---			
6C-225, 6C-226	17-3	17-4			
6F-235	20-3	20-4			
7B-220, 7C-220	17-5	17-8			
8G-200, 8G-201	20-5	20-6			
10C-249	18-2	18-6			
11B-278, 11C-300	17-9	17-13			
14F-490, 14F-495,					
14F-496	19-10	19-14			
19F-492, 19F-497,					
19F-498	19-15	19-21			
200, Ch.	16-2	---			

AUTOMATIC CHRYSLER

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>AUTOMATIC RADIO MFG. CO., INC. (Cont'd)</u>			<u>BENDIX RADIO DIV. (Cont'd)</u>		
Tom Thumb Buddy	18-1	18-3	110, 110W, 111, 111W,		
Tom Thumb Camera	18-4	18-6	112, 114, 115	18-6	18-8
Tom Thumb Jr.	17-1	---		C19-1	---
	17-8	---	300, 300W, 301, 302	18-9	18-11
A.T.T.P., (Automatic Tom Thumb Portable)	16-1	---	416A	17-1	17-2
B-44, Bike Radio	19-1	19-2	526A, 526B, 526C, 526E	20-1	20-6
C-60X	16-1	---	613	18-12	18-14
F-790	16-3	---	626A	16-1	16-3
M10, M20	17-2	17-3		C19-1	---
M86	17-5	---	646A	15-5	15-6
M-90	20-1	20-2	697A	C19-1	---
M-92C	20-3	20-6	847B	17-5	17-6
P30, P33	18-7	---		17-7	17-14
P43, P45	17-4	---		18-15	18-20
X-50	20-7	20-8		C19-1	---
127	C18-2	---	1217B	19-9	19-19
601, Series B	16-2	---		C20-1	---
601, Series C	16-2	---	1217D	19-20	19-33
602, Series B	16-2	---		C20-1	---
602, Series C	16-2	---	1518, 1519	18-21, 22	18-27
620	16-3	---	1521	18-28	18-37
640, Series B	C17-9	---	1524, 1525	18-21, 22	18-27
	C18-2	---	1531, 1533	18-38	18-40
	C17-9	---			
650	17-6	17-7			
660, 662, 666, Series C	16-4	---	R502	18-3	18-4
677, Series B	18-8	---	R601	18-1, 2	---
677, Series C	18-8	---			
720	16-4	---			
801	18-9	---			
801, Series B	18-9	---			
802	18-9	---			
802, Series B	18-9	---			
803	18-9	---			
803, Series B	18-9	---			
	<u>AVALON RADIO CO.</u>				
4-Tube, AC-DC	Misc.19-6	---			
	<u>AVIOLA RADIO CORP.</u>				
501	16-1	16-2			
509	16-1	16-2			
512	16-1	16-2			
518	16-1	16-2			
	<u>BELMONT RADIO CORP.</u>				
Boulevard	16-10	---			
A-7AF21, Series A	20-1	20-4	RD-290	Misc.18-3	---
A-7DF21, Series A	20-5	20-9	RD-291	Misc.18-3	---
B-8AF21	18-1	18-5	RD-292	Misc.19-7	---
C-10AF21	18-6	18-10	RD-295	Misc.19-7	---
4B115, Series A	17-1	17-3			
5C12	18-11	18-16			
5D110, Series A	17-4	17-5			
5D118, Series A	17-6	17-7			
5P19, Series A	17-8	17-9			
5P113, 5P116, 5P117,					
Boulevard	16-10	---			
6D110, Series A	17-10	17-11	M-2AM, Series	20-11	20-16
6D111, Series B	16-1	16-2	M-2FM, Series;		
6D120, Series A	16-3	16-4	M-2 220,		
6D121, Series A	17-12	17-13	M-2 260	20-1	20-12
6D127	C18-2	---	M-3AM, Series	20-11	20-16
6D130, Series A	18-17	18-19	M-3FM, Series;		
8A510	C17-9	---	M-3 175,		
8AF25	20-10	20-14	M-3 220	20-1	20-12
11AF21, Series A	16-5	16-9	M-4	20-17	20-20
5240, Series A	17-14	17-16	400-K, Series	20-21	20-31
			A-7, Amplifier	20-29	---
			400M, Extended and Remote Control	20-32	20-43
	<u>BENDIX RADIO DIV.</u>				
0526	20-1	20-6			
PAR-80	18-1	18-4			
	C19-1	---	UN61	18-1	---
PAR-80A	18-1	18-3		18-4	---
	18-5	---	UN62	18-2	---
RS26M	17-3	17-4	UN72, UN72PC	18-3	18-4
55L2, 55L3, 55P2, 55P3	20-7	20-9			
55X4	20-10	20-12			
65P4	20-13	20-15			
69B8, 69M8, 69M9	19-1	19-8			
	C20-1	---			
75B5, 75M5, 75M8, 75P6,					
75W5	20-16	20-23			
79M7	20-24	20-30	985792	C17-1	---
95B3, 95B3 Revised,			986067	16-1	16-4
95B4, 95M3, 95M3 Revised,					
95M4, 95M9, 95M9 Revised	20-31	20-39			

DAVID BOGEN CO., INC.

See MEISSNER MFG. DIV.
MAGUIRE INDUSTRIES, INC.

BROWNING LABORATORIES, INC.

RJ-12, RJ-14	18-1	18-3
RJ-20, RJ-22, Tuner	20-1	20-7
RV-10, RV-11	18-4	18-8

BRUNSWICK
See RADIO & TELEVISION INC.

BUICK
See UNITED MOTORS SERVICE

BUTLER BROTHERS
(AIR KNIGHT)
(SKYROVER)

RD-290	Misc.18-3	---
RD-291	Misc.18-3	---
RD-292	Misc.19-7	---
RD-295	Misc.19-7	---

CADILLAC
See UNITED MOTORS SERVICE

CAPEHART-FARNSWORTH CORP.
Also See FARNSWORTH TELEV. & RADIO CORP.

M-2AM, Series	20-11	20-16
M-2FM, Series;		
M-2 220,		
M-2 260	20-1	20-12
M-3AM, Series	20-11	20-16
M-3FM, Series;		
M-3 175,		
M-3 220	20-1	20-12
M-4	20-17	20-20
400-K, Series	20-21	20-31
A-7, Amplifier	20-29	---
400M, Extended and Remote Control	20-32	20-43

CAPITOL RADIO CORP.

UN61	18-1	---
	18-4	---
UN62	18-2	---
UN72, UN72PC	18-3	18-4

CHANCELLOR
See RADIONIC EQUIPMENT CO.

CHEVROLET DIV. - GENERAL MOTORS
Also See MOTOROLA INC.
Also See UNITED MOTORS SERVICE

985792	C17-1	---
986067	16-1	16-4

CHRYSLER
See PHILCO CORP.

CISCO
COAST

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	<u>CISCO</u> See CITIES SERVICE OIL CO.			<u>COAST-TO-COAST STORES (Cont'd)</u> <u>CENTRAL ORGANIZATION, INC.</u>	
	<u>CITIES SERVICE OIL CO.</u> (CISCO)		ME5, See SENTINEL		
1A5	17-1	17-2	Model 289T	15-8	15-10
9A5	17-3	17-4		15-17	15-19
	<u>CLARION</u> See WARWICK MFG. CO.		ME6, See SENTINEL		
	<u>COAST-TO-COAST STORES</u> <u>CENTRAL ORGANIZATION INC.</u> (MUSICAIRE)		Model 285P	16-11	16-13
MA360, See WARWICK			ME7, See WARWICK		
Model C100	15-1	---	Model 11011	17-1	17-2
MA361	19-1	19-2	ME8	20-1	20-2
MD3, See INTERNATIONAL			ME40, See SENTINEL		
DETROLA Model 571X	15-15	15-17	Model 289T	15-8	15-10
MD6, See TEMPLETONE				15-17	15-19
Model E-514	15-5	15-6	ME50, See SENTINEL		
MD8, See INTERNATIONAL			Model 285P	16-11	16-13
DETROLA Model 554	15-2	15-4	ME60, See SENTINEL		
MD9, See INTERNATIONAL			Model 286P	16-14	16-16
DETROLA Model 579	15-7	---	ME70, See SENTINEL		
	15-23	15-24	Model 286PR	16-14	16-16
MD10, See INTERNATIONAL			ME80, See SENTINEL		
DETROLA Model 572	15-7	---	Model 286P	16-14	16-16
	15-18	15-20	ME90, See SENTINEL		
MD11, See TEMPLETONE			Model 286P	16-14	16-16
Model F-617	15-4	---	ME100, See SENTINEL		
MD12, See INTERNATIONAL			Model 286P	16-14	16-16
DETROLA Models 571B, 571X	15-12	15-17	ME110, See SENTINEL		
MD13, See INTERNATIONAL			Model 286P	16-14	16-16
DETROLA Model 576	15-7	---	ME120, See SENTINEL		
	15-21	15-22	Model 286P	16-14	16-16
MD15, See SENTINEL			5CX001, See SENTINEL		
Model 284T	15-6	15-8	Model 100X	9-29	9-30
MD16, See SENTINEL			5T08, See SENTINEL		
Model 284NB	15-6	15-8	Model 80B	10-8	10-11
MD17, See SENTINEL			5T27, See SENTINEL		
Model 294T	15-13	15-16	Model 72A	9-13	9-14
MD19, See SENTINEL			5T37, See SENTINEL		
Model 284NI	15-6	15-8	Model 73B	10-7	10-8
MD20, See SENTINEL			5T601, See SENTINEL		
Model 284NB	15-6	15-8	Model 106A	10-26	---
MD22, See WARWICK				10-32	10-33
Model C110	16-1	---	5TU55, See SENTINEL		
MD23, See WARWICK			Model 55U	8-24	---
Model C-102	15-3	---	5TX001, See SENTINEL		
MD24, See INTERNATIONAL			Model 100X	9-29	9-30
DETROLA Model 7270	16-3	---	6AA27, See SENTINEL		
	16-5	16-6	Model 72A	9-13	9-14
MD25, See INTERNATIONAL			6AAE27, See SENTINEL		
DETROLA Model 571A	15-12	15-14	Model 72A	9-13	9-14
MD26, MD27	19-3	19-4	6C28, See SENTINEL		
MD28, MD29	Misc. 17-3	---	Model 82A	9-21	9-22
MD42, MD43, MD44	19-5	19-7		10-1	10-2
MD300, See SENTINEL				10-12	---
Model 309-W	17-2	---	6C39, See SENTINEL		
	17-10	---	Model 93L	9-25	9-26
MD310, See SENTINEL			6C56, See SENTINEL		
Model 309-I	17-2	---	Model 65B	8-27	---
	17-10	---	6CE69, See SENTINEL		
MD320, See SENTINEL			Model 96BE	10-25	10-26
Model 309-R	17-2	---	6T28, See SENTINEL		
	17 10	---	Model 82A	9-21	9-22
MD380, See SENTINEL				10-1	10-2
Model 294W	15-13	15-16		10-12	---
MD390, See SENTINEL			6T39, See SENTINEL		
Model 294I	15-13	15-16	Model 93L	9-25	9-26
MD400, See SENTINEL			6T56, See SENTINEL		
Model 294T	15-13	15-16	Model 65B	8-27	---
MD450, See SENTINEL			6TE27, See SENTINEL		
Model 302-W	17-4	17-9	Model 72A	9-13	9-14
MD460, See SENTINEL			6TE69, See SENTINEL		
Model 302-I	17-4	17-9	Model 96BE	10-25	10-26
MD470, See SENTINEL			7C59, See SENTINEL		
Model 302-T	17-4	17-9	Model 95B	10-1	10-2
MD480, See SENTINEL				10-12	---
Model 293CT	16-17	16-18		10-23	10-24
MD490, See SENTINEL			7CEB7, See SENTINEL		
Model 302-T	17-4	17-9	Model 78B	10-1	10-2
MD500, See SENTINEL				10-9	10-10
Model 293CT	16-17	16-19		10-11	---
MD510, See SENTINEL			7T59, See SENTINEL		
Model 302-T	17-4	17-9	Model 95B	10-1	10-2
ME1	19-1	19-2		10-12	---
			7TE87, See SENTINEL		
			Model 78B	10-1	10-2
				10-9	10-10
				10-12	---
			8CE68, See SENTINEL		
			Model 86AE	10-1	10-2
				10-12	---
				10-15	10-16

COAST

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	<u>COAST-TO-COAST STORES (Cont'd)</u>			<u>COAST-TO-COAST STORES (Cont'd)</u>	
	<u>CENTRAL ORGANIZATION, INC.</u>			<u>CENTRAL ORGANIZATION, INC.</u>	
11C97, See SENTINEL			022-F, See SENTINEL		
Model 76A	9-17	9-19	Model 220	12-20	12-21
14AC, See SENTINEL			031BCE, See SENTINEL		
Model 14A	9-1,2	---	Model 130B	10-51	10-52
	9-5	---	031BCCE, See SENTINEL		
19A66, See SENTINEL			Model 130B	10-51	10-52
Model 19A	8-7	---	031BT, See SENTINEL		
19A102, See SENTINEL			Model 130B	10-51	10-52
Model 19A	8-7	---	081XL, See SENTINEL		
20A100, See SENTINEL			Model 180XL	11-13	11-14
Model 20A	7-1	---	091ATE, See SENTINEL		
20A102, See SENTINEL			Model 190A	11-25,26	---
Model 20A	7-1	---		11-29	---
30A, See SENTINEL			100AC, See SENTINEL		
Model 30A	8-8	---	Model 110A	10-37	10-39
36L73, See SENTINEL			122-CE, See SENTINEL		
Model 36L	8-12	---	Model 221	12-22	12-24
36L102, See SENTINEL			122-T, See SENTINEL		
Model 36L	8-12	---	Model 221	12-22	12-24
37B91, See SENTINEL			142-C, See SENTINEL		
Model 37B	8-13	---	Model 241	12-35	12-36
37BT, See SENTINEL			142-T, See SENTINEL		
Model 37B	8-13	---	Model 241	12-35	12-36
38B92, See SENTINEL			142-W, See SENTINEL		
Model 38B	8-14	---	Model 241	12-35	12-36
38B102, See SENTINEL			172-C, See SENTINEL		
Model 38B	8-14	---	Model 271	13-35	13-36
46A102, See SENTINEL			172-T, See SENTINEL		
Model 46A	9-9,10	9-11	Model 271	13-35	13-36
46A10B, See SENTINEL			212C, See SENTINEL		
Model 46A	9-9,10	9-11	Model 212	12-1	12-2
46AC, See SENTINEL			212-I, See SENTINEL		
Model 46A	9-9,10	9-11	Model 212	12-1	12-2
46ACE, See SENTINEL			212-T, See SENTINEL		
Model 46A	9-9,10	9-11	Model 212	12-1	12-2
46AT, See SENTINEL			212-W, See SENTINEL		
Model 46A	9-9,10	9-11	Model 212	12-1	12-2
46ATE, See SENTINEL			262-P, See SENTINEL		
Model 46A	9-9,10	9-11	Model 262	13-23	13-24
47A112, See SENTINEL			302ULT, See SENTINEL		
Model 47A	7-2	7-4	Model 203UL	11-49	11-50
47ACE, See SENTINEL			341LC, See SENTINEL		
Model 47A	7-2	7-4	Model 143L	10-46	---
48A107, See SENTINEL				10-63	10-64
Model 48A	8-17	---	341LT, See SENTINEL		
50B93, See SENTINEL			Model 143L	10-46	---
Model 50B	8-19	8-20		10-63	10-64
50B102, See SENTINEL			362-C, See SENTINEL		
Model 50B	8-19	8-20	Model 263	13-25	13-26
51BL, See SENTINEL			372-C, See SENTINEL		
Model 151BL	10-72	10-74	Model 273	13-26	---
52A, See SENTINEL				13-37	---
Model 52A	8-21	---	372-T, See SENTINEL		
52A110, See SENTINEL			Model 273	13-26	---
Model 52A	8-21	---		13-37	---
52ACE, See SENTINEL			402AA, See SENTINEL		
Model 52A	8-21	---	Model 204A	11-51	11-52
52ATE, See SENTINEL			412-Q, See SENTINEL		
Model 52A	8-21	---	Model 214	12-2	---
60BT, See SENTINEL				12-5	---
Model 60B	8-25	---		12-14	---
63BC, See SENTINEL			412-W, See SENTINEL		
Model 63B	8-26	---	Model 214	12-2	---
63BT, See SENTINEL				12-5	---
Model 63B	8-26	---		12-14	---
66BCE, See SENTINEL			421ACE, See SENTINEL		
Model 66B	9-3,4	---	Model 124AE	10-43	10-44
	9-6	---	421AT, See SENTINEL		
67LC, See SENTINEL			Model 124A	10-43	10-44
Model 67L	10-4	10-5	421ATE, See SENTINEL		
67LT, See SENTINEL			Model 124A	10-43	10-44
Model 67L	10-4	10-5	441XC, See SENTINEL		
68BC, See SENTINEL			Model 144X	10-31	---
Model 68B	10-4	---		10-65	10-66
	10-6	---	441XT, See SENTINEL		
68BT, See SENTINEL			Model 144X	10-31	---
Model 68B	10-4	---		10-65	10-66
	10-6	---	462-T, See SENTINEL		
70AT, See SENTINEL			Model 264	13-27	13-28
Model 70A	8-28	---	491UTI, See SENTINEL		
99ACE, See SENTINEL			Model 194UL	11-31	11-32
Model 99AE	10-29	10-31	491UTW, See SENTINEL		
002XC, See SENTINEL			Model 194UL	11-31	11-32
Model 200X	11-43	11-44	491UTWD, See SENTINEL		
002XT, See SENTINEL			Model 194UL	11-31	11-32
Model 200X	11-43	11-44			

COAST CORONET

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>COAST-TO-COAST STORES (Cont'd)</u>			<u>COAST-TO-COAST STORES (Cont'd)</u>		
<u>CENTRAL ORGANIZATION, INC.</u>			<u>CENTRAL ORGANIZATION, INC.</u>		
502BL, See SENTINEL Model 205BL	11-53	11-54	861BC, See SENTINEL Model 168B	11-7	11-8
521ACE, See SENTINEL Model 125AE	10-45	10-46	861BT, See SENTINEL Model 168B	11-7	11-8
521ACGE, See SENTINEL Model 125AE	10-45	10-46	862-C, See SENTINEL Model 268	13-33	13-34
521ATE, See SENTINEL Model 125AE	10-45	10-46	862-T, See SENTINEL Model 268	13-33	13-34
541ACGE, See SENTINEL Model 145AG	10-35 10-67 10-81	---	891ALCE, See SENTINEL Model 198A	11-37	11-38
		10-68	891ALT, See SENTINEL Model 198A	11-37	11-38
571BC, See SENTINEL Model 175B	11-9	11-10	911BC, See SENTINEL Model 119B	10-41	10-42
571TW, See SENTINEL Model 175B	11-9	11-10	911BT, See SENTINEL Model 119B	10-41	10-42
591ULTO, See SENTINEL Model 195UL	11-33	11-34	912-P, See SENTINEL Model 219	12-18	12-19
591UTW, See SENTINEL Model 195UL	11-33	11-34	932-C, See SENTINEL Model 239	12-3 12-22 12-33	--- --- 12-34
591UTWD, See SENTINEL Model 195UL	11-33	11-34	932-T, See SENTINEL Model 239	12-3 12-22 12-33	--- --- 12-34
622-I, See SENTINEL Model 226	13-1	13-2			
622-W, See SENTINEL Model 226	13-1	13-2	942-C, See SENTINEL Model 249	13-15	13-16
632-CE, See SENTINEL Model 236	12-3 12-29 12-34	---	942-I, See SENTINEL Model 249	13-15	13-16
		12-30	942-T, See SENTINEL Model 249	13-15	13-16
632-TE, See SENTINEL Model 236	12-3 12-29 12-34	---	942-W, See SENTINEL Model 249	13-15	13-16
		12-30	962-C, See SENTINEL Model 269C	15-1	15-5
671BC, See SENTINEL Model 176B	11-11	11-12	962-F, See SENTINEL Model 269F	15-1	15-5
671BT, See SENTINEL Model 176B	11-11	11-12	962-T, See SENTINEL Model 269T	15-1	15-5
681BC, See SENTINEL Model 186B	11-21	11-22	981LC, See SENTINEL Model 189L	11-23	11-24
681BT, See SENTINEL Model 186B	11-21	11-22	981LT, See SENTINEL Model 189L	11-23	11-24
701ACE, See SENTINEL Model 107AE	10-33	10-36	991AC, See SENTINEL Model 199A	11-39, 40	11-41
721BC, See SENTINEL Model 127B	10-47 10-81	10-48 ---	991AE, See SENTINEL Model 199AE	11-39, 40	11-41
721BT, See SENTINEL Model 127B	10-47 10-81	10-48 ---			
791XCE, See SENTINEL Model 197X	11-35	11-36	<u>COLLINS AUDIO PRODUCTS CO.</u>		
811BC, See SENTINEL Model 118B	10-40 10-42	---	25-A	18-1, 2	---
811BT, See SENTINEL Model 118B	10-40 10-42	---	25-C	18-3, 4	---
811BTWD, See SENTINEL Model 118B	10-40 10-42	---	<u>CONCORD RADIO CORP.</u>		
			(LINCOLN RADIO)		
812-G, See SENTINEL Model 218	12-7	12-8	1-404, 1-405	18-1	---
812-T, See SENTINEL Model 218	12-7	12-8	1-413	19-1	---
831ACE, See SENTINEL Model 138AE	10-53 10-81	10-54 ---	1-506	18-2	---
			1-507, 1-508	18-3	18-4
831ATE, See SENTINEL Model 138AE	10-53 10-81	10-54 ---	1-513	18-5	18-6
			1-514	18-7	18-8
841AT, See SENTINEL Model 148A	10-71	10-72	1-518	18-9	18-11
842-G, See SENTINEL Model 248-G	18-4	18-6	1-601, 1-602, 1-603	18-12	18-15
842-I, See SENTINEL Model 248-I	18-4	18-6	1-608	19-2	19-3
842-K, See SENTINEL Model 248-K	18-4	18-6	1-610	18-16	---
842-T, See SENTINEL Model 248-T	18-4	18-6	1-611	18-17	---
842-W, See SENTINEL Model 248-W	18-4	18-6	1-702, 1-704	19-4	19-5
851AE, See SENTINEL Model 158AE	10-75 10-81	10-76 ---	1-1100	19-7, 8	19-9, 10
			1-1500, 1-1501, 1-1502	19-11, 12	19-22
			6C51B, 6C51W	16-1	---
			6F26W, Ch. 105	17-1	17-2
			7E51W	17-3	---
			7E71PR	19-6	---
			7G26C	16-2	16-4
			105, Ch.	17-1	17-2
			<u>CORONADO</u>		
			See GAMBLE-SKOGMO, INC.		
			<u>CORONET RADIO & TELEVISION CO.</u>		
			Arista	18-1	18-5
			6 Tube, 3 Band, AC	20-3	---
			6B1	20-1	---
			6B2	20-2	---
			1405	20-4	---

**CORONET
ELEC. LAB**

MODEL	FROM	THROUGH
<u>CORONET RADIO & TELEVISION CO. (Cont'd)</u>		
1481	20-5	---
1491	20-6	---
1583	16-1	16-2
1701	16-3	16-4
1701X, Arista	18-1	18-5

CROMWELL

See W.T. KNOTT CO., INC.
Also See MERCANTILE STORES CO., INC. (N.Y.)

CROSLEY CAR CO.
See ZENITH RADIO CORP.

CROSLEY DIV.
AVCO MFG. CORP.

9-101	18-1	18-3
	C19-1	---
9-101, Revised	19-1	19-3
9-102	18-4	18-6
9-103, 9-104W	18-7	18-9
9-105, 9-106W	19-4	19-7
9-113, 9-114W	19-8	19-10
9-117	18-10	18-11
9-118W	18-4	18-6
9-119, 9-120W	18-12	18-13
9-121, 9-122W	19-22	19-25
9-201, 9-202M, 9-203B	18-14	18-19
	C19-1	---
9-204, 9-205M	19-11	19-18
9-207M	20-1	20-8
9-209	19-19	19-21
9-209, Revised	19-26	19-29
9-209L	19-26	19-29
9-212B	19-19	19-21
	C20-1	---
9-212M	19-19	19-21
9-212M, Revised	19-26	19-29
9-212ML, 9-213B	19-26	19-29
9-302	18-20	18-23
10-145M	20-9	20-11
10-307M	20-12	20-14
52TQ	C18-2	---
56FC	16-1	16-3
56PA, 56PB	C17-1	---
	C18-2	---
56TD	16-4	16-6
56TD-W	17-1	17-2
56TN	17-3	17-6
56TN-L	16-6	16-9
56TP-L	18-24	18-26
56TR, 56TS	18-27	18-29
56TU	17-7	17-8
56TU-Q, 56TV-Q	18-30	18-32
56TX-L	16-2	---
	16-6	---
	16-12	16-13
	17-9	17-10
56TY		
56TZ, 1st and 2nd Production	16-6	---
	16-10	16-11
56XTA, 56XTW	16-8	---
	16-14	16-15
	16-19	---
	17-11	17-12
57TK, 57TL		
57TQ, 1st and 2nd Production	16-6	---
	16-10	16-11
58TA	17-13	17-14
58TC	17-15	17-16
58TH, 58TH-Q	18-33	18-36
58TK	17-17	17-18
58TL	17-13	17-14
58TW	17-15	17-16
58XA, 58XA-10, 58XA-20	18-37	18-39
58XTA, 58XTW, Revised	20-15	20-18
58XW, 58XW-10, 58XW-20	18-37	18-39
66CS, 66CSM	16-16	16-19
66CS(O)	18-40	18-43
	C18-2	---
66CS(s)	16-16	16-19
66CT	18-44	18-46
66TC-S	16-19	16-22
66XTA, 66XTA-10, 66XTA-20	18-47	18-49
66XTW, 66XTW-10, 66XTW-20	19-39	19-41
68CP, 68CR	19-42	19-44
68TA, 68TW	19-45	19-47
86CR	16-23, 24	16-30
86CR, Revised	17-19, 20	17-26

MODEL	FROM	THROUGH
<u>CROSLEY DIV. (Cont'd) AVCO MFG. CORP.</u>		
86CS	16-23, 24	16-30
86CS, Revised; 87CQ, 88CR	17-19, 20	17-26
88TA, 88TC	18-50	18-60
146CS, 146CS(V)	17-27, 28	17-39, 40
148CP, 148CP(W), 148CQ, 148CR	19-48	19-63

J.W. DAVIS & CO.
(WATERSON)

4810, 4820 Misc.20-3 ---

DAYTON
See W.W. GRAINGER CO.

DELCO
See UNITED MOTORS SERVICE

DETROLA
See INTERNATIONAL DETROLA CORP.

DEWALD RADIO

A-504, A-505	20-1	---
A-507	16-1	---
A-509	16-2	16-3
A-514	17-2	---
B-400	17-1	---
B-401	18-1	---
B-504	18-2	18-3
B-506	18-4	---
B-511	18-5	18-6
B-512	19-1	19-2
B-612	19-3	19-5
C-615	20-2	20-3
C-800	20-4	20-5
JB-523	17-2	---

DUAL ENGINEERING CORP.

A6-C5389 Misc.17-4 ---

ECA
See ELECTRONIC CORP. OF AMERICA

ECHOPHONE
See THE HALLICRAFTERS CO.

ECKENROTH CO., INC.
100, Musagrard Misc.18-4 ---

ECKO
See ECKSTEIN RADIO & TELEVISION CO.

ECKSTEIN RADIO & TELEVISION CO.
(ECKO)
(KARADIO)

The Airport	17-3	17-7
The Amateur	17-3	17-7
The International	17-3	17-7
T-5	17-1	17-2
80-A (The Amateur),		
80-B (The Airport),		
80-C (The International)	17-3	17-7
1275	20-1	20-2

EDWARD'S FM RADIO CORP.

F-M Tuner 16-1 16-2

ELECTROMATIC MFG. CORP.

A.P.H. 301-A	Misc.17-5	---
A.P.H. 301-B	Misc.17-5	---
A.P.H. 301-C	Misc.17-5	---
607AC	Misc.19-8	---

ELECTRONIC CORP. OF AMERICA
(ECA)

131	17-1	---
132	18-1	18-4
201	Misc.16-3	---
204	17-2	---

ELECTRONIC LABORATORIES, INC.

Orthosonic	16-5	16-7
Radio Utiliphone	16-1	16-4
76RU, Radio Utiliphone, Ch. 2865	16-1	16-4

**ELEC. LAB
EMERSON**

MODEL	FROM	THROUGH
ELECTRONIC LABORATORIES, INC. (Cont'd)		
710PB-AC, 710PB-DC, 710PC-AC, 710PC-DC, Ch. 2887	17-1	17-4
710T, Orthosonic, Ch. 2875	16-5	16-7
2701, Issue B	C17-1	---
2811	16-8	---
	C18-3	---
2865, Ch.	16-1	16-4
2875, Ch.	16-5	16-7
2887, Ch.	17-1	17-4

MODEL	FROM	THROUGH
EMERSON RADIO & PHONOGRAPH CORP.		
BF-169, BF-204, BF-207	C18-3	---
FS, Ch.	17-1	17-2
FS-423, Ch. FS	17-1	17-2
FT	17-3	---
GP, Ch.	17-4	17-5
456, Ch. GP	17-4	17-5
503, Ch. 120000, 120029, 120030, 120032, 120035, 120044	16-1	16-3
505, Ch. 120002, 120020, 120041	16-4	16-7
507, 509, Ch. 120004, 120045	16-2	---
	16-8	---
510, Ch. 120000, 120029, 120030, 120032, 120035, 120044	16-1	16-3
510A, Ch. 120035	16-1	16-3
512, Ch. 120006, 120056	15-11	15-12
	C17-1	---
512SW, Ch. 120057A	19-1	---
513, 514, Ch. 120007	17-6	17-8
515, 516, Ch. 120006, 120056	15-11	15-12
	C17-1	---
516SW, Ch. 120057A	19-1	---
518, Ch. 120004, 120045	16-2	---
	16-8	---
520, Ch. 120000, 120029, 120030, 120032, 120035, 120044	16-1	16-3
521, Ch. 120013	17-9	17-10
522, Ch. 120004, 120045	16-2	---
	16-8	---
	16-5	16-7
523, Ch. 120041	16-2	---
524, Ch. 120011; 524-2, Ch. 120022	16-9	16-13
525, Ch. 120037	16-2	---
	16-7	---
	16-14	---
528, Ch. 120038	18-1	18-6
530, Ch. 120006, 120056	17-11	17-12
531, Ch. 120040	16-15	16-16
531SW, Ch. 120057A	19-1	---
532, 533, Ch. 120040	16-15	16-16
534, Ch. 120007	17-6	17-8
535, Ch. 120004, 120045	16-2	---
	16-8	---
536, Ch. 120036	17-13	17-15
536A, Ch. 120053A	17-16	17-18
537, Ch. 120043	19-2	19-8
539, Ch. 120000, 120029, 120030, 120032, 120035, 120044	16-1	16-3
540, Ch. 120027, 120042, 120065	18-7	18-9
540A, Ch. 120042A	17-19	17-21
542, Ch. 120031	17-9	17-10
543, 544, Ch. 120046, 120052	16-2	---
	16-17	16-18
546, Ch. 120049	17-22	17-24
547A, Ch. 120050A	17-25	17-27
550, Ch. 120006, 120056	15-11	15-12
	C17-1	---
551A, Ch. 120053A	17-16	17-18
552, Ch. 120037	16-2	---
	16-7	---
	16-14	---
553A, Ch. 120053A	17-16	17-18
554, 555, Ch. 120057A	19-1	---
556, Ch. 120018B	19-9	19-12
557, Ch. 120018B	19-9	19-12
557, Ch. 120048B	18-10	18-11
558, Ch. 120058	17-28	17-29
559, Ch. 120059A	18-12	---
560, Ch. 120016	17-30	17-32

MODEL	FROM	THROUGH
EMERSON RADIO & PHONOGRAPH CORP. (Cont'd)		
561, Ch. 120001B	19-13	19-15
563, Ch. 120063B	19-19	19-24
564, Ch. 120027, 120042, 120065	18-7	18-9
565, Ch. 120018B	19-9	19-12
568, Ch. 120070A, 120070B	19-16	19-18
569, Ch. 120062A	18-13	18-15
570, Ch. 120064	18-16	18-17
572, Ch. 120027, 120042, 120065	18-7	18-9
573, Ch. 120039B	19-25	19-28
574, Ch. 120064	18-16	18-17
575, Ch. 120068A, 120068B	20-1	20-5
576, Ch. 120069A	19-29	19-31
577, Ch. 120012B	18-18	18-20
579, Ch. 120034A	19-32	19-34
580, Ch. 120064	18-16	18-17
581, Ch. 120014A, 120014B	20-6	20-8
583, Ch. 120039B	19-25	19-28
586, Ch. 120023B, 120083B	19-35	19-39
587, Ch. 120033A, 120033B	20-9	20-11
590, Ch. 120101A, 120101B	20-12	20-16
591, Ch. 120055A	19-40	19-42
593, Ch. 120063B	19-19	19-24
594, 595, Ch. 120071A	20-6	20-8
596, Ch. 120034A	19-32	19-34
597, Ch. 120073B, 120074A	20-17	20-20
599, 601, Ch. 120075B	20-21	20-23
603, Ch. 120063B	19-19	19-24
605, Ch. 120076B	19-43	19-46
607, Ch. 120073B, 120074A	20-17	20-20
610, Ch. 120100A, 120100B	20-9	20-11
613, Ch. 120085A, 120085B	20-24	20-27
615, Ch. 120001B	19-13	19-15
616, Ch. 120100A, 120100B	20-9	20-11
623, Ch. 120101A, 120101B	20-12	20-16
635, Ch. 120108B	20-12	20-16
643, Ch. 120111A	20-28	20-31
1002, 1003, Ch. 129003	16-19	16-20
120000, Ch.	16-1	16-3
120001B, Ch.	19-13	19-15
120002, Ch.	16-4	16-7
120004, Ch.	16-2	---
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	17-11	17-12
120006, Ch.	C17-1	---
120007, Ch.	17-6	17-8
120011, Ch.	16-9	16-13
120012B, Ch.	18-18	18-20
120013, Ch.	17-9	17-10
120014A, 120014B, Ch.	20-6	20-8
120016, Ch.	17-30	17-32
120018B, Ch.	19-9	19-12
120020, Ch.	16-4	16-7
120022, Ch.	16-9	16-13
120023B, Ch.	19-35	19-39
120027, Ch.	18-7	18-9
120029, 120030, Ch.	16-1	16-3
120031, Ch.	17-9	17-10
120032, Ch.	16-1	16-3
120033A, 120033B, Ch.	20-9	20-11
120034A, Ch.	19-32	19-34
120035, Ch.	16-1	16-3
120036, Ch.	17-13	17-15
120037, Ch.	16-2	---
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120038, Ch.	18-1	18-6
120039B, Ch.	19-25	19-28
120040, Ch.	16-15	16-16
120041, Ch.	16-5	16-7
120042, Ch.	18-7	18-9
120042A, Ch.	17-19	17-21
120043, Ch.	19-2	19-8
120044, Ch.	16-1	16-3
120045, Ch.	16-2	---
	16-8	---
120046, Ch.	16-2	---
	16-7	---
	16-17	---
120048B, Ch.	18-10	18-11
120049, Ch.	17-22	17-24
120050A, Ch.	17-25	17-27
120052, Ch.	16-2	---
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120053A, Ch.	17-16	17-18
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120056, Ch.	17-11	17-12
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EMERSON
FARNSWORTH

MODEL	FROM	THROUGH
<u>EMERSON RADIO & PHONOGRAPH CORP. (Cont'd)</u>		
120057A, Ch.	19-1	---
120058, Ch.	17-28	17-29
120059A, Ch.	18-12	---
120062A, Ch.	18-13	18-15
120063B, Ch.	19-19	19-24
120064, Ch.	18-16	18-17
120065, Ch.	18-7	18-9
120068A, 120068B, Ch.	20-1	20-5
120069A, Ch.	19-29	19-31
120070A, 120070B, Ch.	19-16	19-18
120071A, Ch.	20-6	20-8
120073B, 120074A, Ch.	20-17	20-20
120075B, Ch.	20-21	20-23
120076B, Ch.	19-43	19-46
120083B, Ch.	19-35	19-39
120085A, 120085B, Ch.	20-24	20-27
120100A, 120100B, Ch.	20-9	20-11
120101A, 120101B, Ch.	20-12	20-16
120108B, Ch.	20-12	20-16
120111A, Ch.	20-28	20-31
129003, Ch.	16-19	16-20

EMOR RADIO, LTD.

100	16-1	16-2
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EMPIRE DESIGNING CORP.

55	Misc.16-4	---
56	Misc.16-4	---

EMPIRE MFG. CORP.

G7-801	Misc.19-9	---
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ESPEY MFG. CO., INC.

FJ-97A, Ch., Revised	16-1	16-2
7B	17-1,2	17-3,4
7B, Revised	17-5,6	17-7,8
7B, AC-DC	19-1,2	---
7B-1	18-1,2	---
7B-1T	Misc.20-4	---
7B-12	19-3	19-5
501	18-3	18-4
502K	19-6	19-7
509	18-1,2	---
	C20-1	---
511	19-9,10	---
512	19-11,12	---
513	19-13,14	---
514	19-15	---
528	19-8	---
5181	16-3	16-6
10536A	19-16	---
20516	18-5	---

FADA RADIO & ELECTRIC CO., INC.

C33	18-1	---
F711, F750	18-2	18-4
FM16	17-1,2	17-11
P80	17-12	---
P80, Late	18-5	18-7
P82	17-13	17-15
P100	17-14	17-17
P111	20-1	20-3
6A39	17-18	17-20
172	16-1	16-2
368	18-8	18-10
372	17-21	17-23
602	C17-2	---
711, 740	17-15	---
	17-20	---
	17-24	---
	C19-1	---
790	19-1	19-4
790, Series B, etc.	19-5	19-8
795, F-M Tuner	19-9	19-11
830	20-4	20-6
845	20-7	20-9
855	20-10	20-12
1001	17-25	17-27
1005	19-12	19-14

FARNSWORTH TELEV. & RADIO CORP.
(CAPEHART)

AC-55, Ch. C2-3	C18-3	---
ACL55, ACL56, AKL58, AKL59	C18-3	---

MODEL	FROM	THROUGH
<u>FARNSWORTH TELEV. & RADIO CORP. (Cont'd)</u>		
BT-68	16-1	16-2
C-152, C-153, Ch.	15-7	15-9
	C20-2	---
C-156, C-157, Ch.	16-3	16-5
C-164, Ch.	19-1	19-6
C-170, Ch.	17-3	17-10
	C20-2	---
C-171, Ch.	18-1	18-5
C-172, Ch.	19-1	19-6
C-193, Ch.	16-3	16-5
C-194, Ch.	17-3	17-10
	C20-2	---
C-196, Ch.	17-1	17-3
C-201, C-216, Ch.	17-3	17-10
	C20-2	---
	C18-3	---
C2-3, Ch.	17-1	17-3
EF-451, Ch. C-196		
EK-081, Ch. C-156;		
EK-082, Ch. C-157;		
EK-083, Ch. C-193	16-3	16-5
EK-263, EK-264, EK-265	C17-3	---
EK-681, Ch. C-156	16-3	16-5
ET-060	C17-3	---
ET-061	C17-1	---
	C17-3	---
ET-063, ET-064, ET-065,		
ET-066	C17-3	---
ET-069	C17-1	---
	C17-9	---
ET-650BRZ, ET-651BKZ,		
ET-651BUZ, ET-651RDZ,		
Ch. C-171	18-1	18-5
ET-667BRV, Ch. C-172;		
ET-667BRX, Ch. C-164;		
ET-668WTV, Ch. C-172;		
ET-668WTX, Ch. C-164	19-1	19-6
GK-084, GK-085, GK-086, GK-087	18-6	18-12
GK-100, Ch. C-170;		
GK-102, Ch. C-194;		
GK-103, Ch. C-216;		
GK-104, Ch. C-201	17-3	17-10
	C20-2	---
GK-111, GK-112, GK-113,		
GK-114, GK-115	17-3	17-10
GK-140, GK-141, GK-142,		
GK-143, GK-144, Preliminary	16-6	16-11
	18-15	---
	C18-3	---
	C20-2	---
GK-266, Ch. C-152;		
GK-267, Ch. C-153	15-7	15-9
	C20-2	---
GK-699	17-11	17-16
GF-350	17-17	17-18
GT-050, GT-051	17-19	17-20
GT-060, GT-061, GT-064, GT-065	17-21	---
GT-699	17-11	17-16
K-084, K-086	18-6	18-12
	C20-1	---
K-262P	19-7	19-9
K-267, Ch. C-153	15-7	15-9
	C20-2	---
K-287P	18-6	18-12
K-289	18-6	18-12
	C20-1	---
K-699, Ch. C-152	15-7	15-9
	C20-2	---
N4 Series, Capehart	19-10	19-18
P4 Series, Capehart	19-10	19-18
P7, P9, P10 Series, Capehart	19-19	19-33
	C20-2	---
P-860	18-13,14	---
19N3, Panamuse	18-17	18-44
19N4, Capehart	19-10	19-18
21N2, Panamuse	18-17	18-44
21P4, Capehart	19-10	19-18
24N4, Capehart	19-10	19-18
24P4, Capehart	19-10	19-18
25N2, 26N2, Panamuse	18-17	18-44
26N4, Capehart	19-10	19-18
29P4, 30P4, Capehart	19-10	19-18
31N4, Capehart	19-10	19-18
31P4, Capehart	19-10	19-18
32P9, 33P9, 34P10, 35P7	19-19	19-33
100N Series, Capehart	18-16	18-44
114N4, Capehart	19-10	19-18
116N4, Capehart	19-10	19-18

FARNSWORTH GAMBLE

MODEL FROM THROUGH
FARNSWORTH TELEV. & RADIO CORP. (Cont'd)

116P4, Capehart 19-10 19-18
118P4, Capehart 19-10 19-18
400M Series, Capehart 19-34 19-54
400N Series, Capehart 18-16 18-44

FEDERAL RECORDER CO.
DIV. C.G. CONN., LTD.

Little Pro 20-8 20-9
PR-12 20-1 20-7
12LP, Little Pro 20-8 20-9
12LP, Revised 20-10 20-16
101 20-17 20-19
106 20-27 20-28
111, 116 20-20 20-21
118, 119 20-22 20-24
201 20-25 20-26
211 20-27 20-28
301 20-29 20-30
306, 311 20-31 20-32
401, 402, 403, 404, 405,
406, 407 20-33 20-35

FEDERAL TEL. & RADIO CORP.

1021 16-5 16-8
C20-3 ---
1024TB 17-1 17-3
C20-3 ---
1025TB 16-1 16-4
1027 16-1 16-4
C19-1 ---
1028TB, 1029 17-1 17-3
C20-3 ---
1030T 16-5 16-8
1031, 1032 16-5 16-8
C20-3 ---
1034 17-1 17-3
C19-1 ---
1035 16-1 16-4
C19-1 ---
1040TB 17-4 17-6
1540 16-5 16-8
C20-3 ---
1540T 16-5 16-8
6001 PO 19-1 19-2

FERGUSON RADIO CORP.

5X47 Misc.16-5 ---
7X47 Misc.16-5 ---

FERRAR RADIO & TELEVISION CORP.

C81B 17-1 17-4
T61B 17-5 17-7
TA61B 17-8 17-11

THE FIRESTONE TIRE & RUBBER CO.
(AIR CHIEF)

Brilliantone 16-11 ---
16-14 ---
Diplomat 17-7 17-9
Georgian 17-22 17-29
The Journal 19-27 19-29
The Marlborough 18-34 18-40
Mercury 17-5 17-7
The Metropolitan 18-34 18-40
The Narrator 18-7 18-10
The Newscaster 18-24 18-26
Reporter 17-12 17-14
The Sunrise 19-30 19-32
R-3157A 12-6 ---
12-19, 20 12-21
C19-1 ---
S-7402-8 20-1 20-2
S-7404-9 17-1 17-4
S-7425-1 19-1 ---
4-A-1, Mercury 17-5 17-7
4-A-3, Diplomat 17-7 17-9
4-A-10, Reporter 17-12 17-14
4-A-10, Late 18-1 18-3
4-A-11 18-4 18-6
4-A-12, The Narrator 18-7 18-10
4-A-15 18-11, 12 18-23
4-A-17 16-1 16-2
16-9 ---
4-A-26, The Newscaster 18-24 18-26
4-A-27, Cameo 17-15 17-16

MODEL FROM THROUGH
THE FIRESTONE TIRE & RUBBER CO. (Cont'd)

4-A-30 18-27, 28 18-31
4-A-37 17-17 17-21
4-A-39 20-3 20-8
4-A-40 20-9 20-12
4-A-41 17-7 ---
17-10 17-11
17-22 17-29
19-2 19-15
18-32 18-33
4-A-42, Georgian
4-A-60
4-A-61, The Cameo
4-A-62, The Marlborough;
4-A-63, The Metropolitan 18-34 18-40
4-A-64, 4-A-65 19-16 19-23
4-A-67 19-24 19-26
4-A-68, The Journal 19-27 19-29
4-A-69, The Sunrise 19-30 19-32
4-B-6 17-30 17-34
4-B-31, The Roamer 19-33 19-37
4-C-3 19-38 19-40
4-C-13 19-41 19-43
7379-1 16-3 16-5
7383-4 16-6 16-8
7384-2 17-35 17-36
7396-1 16-9 16-11
7402-4 C18-3 ---
16-8 ---
7402-6, Roamer 16-12 16-13
16-11 ---
16-14 ---
7403-1, Brilliantone 17-37 17-38
7405-2 16-3 16-5
7405-3 17-37 17-38
7405-4 16-3 16-5
7423-5 C18-3 ---
7423-6 C17-2 ---

FM SPECIALTIES, INC.

Fidelotuner 17-1 17-4
C18-3 ---
Fidelotuner, Revised 18-1 18-2

FONOTALK CORP.

500BI, 500BW Misc.18-5 ---

FORD MOTOR CO.
See ZENITH RADIO CORP.

GAMBLE-SKOGMO, INC.
(CORONADO)

7P Series 18-1 18-3
43-5005 17-1 17-7
43-5006 19-1 19-4
43-6301 17-8 17-10
43-6321 18-4 18-7
43-6485 20-1 20-2
43-6730 20-3 20-4
43-6927 19-5 19-10
43-6951 19-11 19-16
43-7601, 43-7601A, 43-7601B 16-1 16-5
C17-3 ---
16-1 16-6
43-7602 16-1 16-6
43-7603, 43-7604 19-17 19-22
43-7651, 43-7652 19-23 19-29
43-7660 18-8 18-14
43-7660B 20-5 20-9
43-7851 19-30 19-35
43-8129A, 43-8130A,
43-8130B, 43-8131A, 43-8131B 19-36 19-37
43-8160 16-7 16-9
43-8177, 43-8178, 43-8179 17-11 17-13
43-8180 17-14 17-16
43-8213 15-1 ---
17-17 17-18
43-8240, 43-8241 17-19 17-22
43-8305 17-23 17-26
43-8312 17-27 17-29
43-8351, 43-8352 17-30 17-33
43-8437 16-10 16-12
43-8470 17-34 17-37
43-8471 17-37 17-40
43-8576 16-2 ---
16-13 16-16
43-9196 17-16 ---
17-41 17-42
43-9201 17-43 17-45
43-9751 17-26 ---
17-46 17-47

**GAMBLE
GEN. TEL.**

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	<u>GAMBLE-SKOGMO, INC. (Cont'd)</u>			<u>GENERAL ELECTRIC CO. (Cont'd)</u>	
43-9865	19-38	19-39	150	19-10	19-12
94RA1-43-6945A	20-10	20-13		C20-4	---
94RA1-43-6945B	20-14	20-17	160	19-17	19-21
94RA1-43-7605A	20-18	20-21		C20-4	---
94RA1-43-7656A, 94RA1-43-7657A	20-22	20-26	165	20-23	20-26
94RA1-43-7751A	20-27	20-30	180	16-1	16-2
94RA1-43-7853A	20-31	20-34	200	18-19	18-20
94RA1-43-8510A	20-35	20-38	201, 202	18-19	18-20
94RA1-43-8520B	20-39	20-42		C20-4	---
94RA1-43-8511A	20-35	20-38	203, 205	18-19	18-20
94RA1-43-8511B	20-39	20-42	210, 211, 212	18-21	18-25
94RA2-43-9195A	20-43	20-44		C19-2	---
94RA31-43-8115A, 94RA31-43-8115B,				C20-5	---
94RA31-43-8116A	20-45	20-47	219, 220, 221	15-28	15-31
94RA31-43-9841A	20-48	20-51		C17-10	---
94RA33-43-8130C, 94RA33-43-8131C	20-52	20-53		C18-3	---
	<u>GAROD RADIO CORP.</u>			C20-5	---
The Companion	16-2	---	226	20-27	20-29
The Ensign	16-1	16-2	230, Kaiser-Frazer	18-26	18-28
The Thriftee	19-1	---		C19-2	---
BP24, BP25	17-1	17-2	233, Kaiser-Frazer	C20-4	---
3AP	17-3	---		18-29	18-36
4A1, 4A2	17-4	17-5	250	C20-4	---
4AP	17-3	---		15-32	15-36
4B1	18-1	18-2		C17-3	---
5A1, The Ensign	16-1	16-2		C19-1	---
5A2-Y	17-6	---	254	C20-5	---
5A3	18-3	---		16-3	16-5
5A4, The Thriftee	19-1	---	260	C18-3	---
5AP1-Y, The Companion	16-2	---		16-6	16-12
5D3, 5D3A	16-3	16-4		C18-3	---
5D5	17-7	17-8	280	C20-5	---
5K-1	Misc.20-5	---	304	16-13	16-16
5RC-1	17-9	---	321A	18-37	18-39
6A	17-10	---		15-46	15-52
6A2	17-11	---		C20-5	---
9FMP, 9FMPA, 9FMPU	18-4	18-5	324, 328	19-22	19-27
11FMP	19-2	19-4	329, 330	20-30	20-31
62B	18-6	18-7	354, 355	19-28	19-35
306	18-8	---	356, 357, 358	18-40	18-44
	<u>GENERAL ELECTRIC CO.</u>		376, 377, 378	C20-5	---
Musaphonic	17-1,2	17-15	417	19-36	19-41
A51, A56	C19-2	---	417A	C20-5	---
GB-400	C17-10	---		16-16	16-24
GD-50	C18-3	---		C20-5	---
GD-506	17-24	17-25	502	17-27,28	17-38
GD-510, GD-511, GD-512,	19-1	---		C17-2	---
GD-512W, GD-512X, GD-513	19-1	---	801	C20-5	---
GD-550	18-2	18-3		17-4	17-7
H-639AC-DC	19-1	---		17-39,40	17-47
L-604	C18-3	---		C19-2	---
LB-673	C18-3	---		16-25,26	16-38
LM1A, Charging Cable	17-25	17-26		<u>GENERAL IMPLEMENT CORP.</u>	
X-415	18-1	---	1A5	17-1	17-2
XFM-1	18-4	18-12	9A5	Misc.19-10	---
YRB60-12	19-2	19-7		<u>GENERAL MOTORS CORP.</u>	
YRB79-1, YRB79-2, YRB83-1	C18-3	---		<u>See UNITED MOTORS SERVICE</u>	
YRB92-2	17-19	17-20		<u>GENERAL TELEVISION & RADIO CORP.</u>	
4SJ3A1	C18-3	---	4B5	16-1	16-2
41, 42, 43, Musaphonic	20-1	20-2	5A5	19-1	19-2
	17-1,2	17-15	5B5	16-2	16-4
	C19-2	---	6C5	19-3	19-4
	C20-3	---	9A5	16-2	---
44, 45, Musaphonic	17-1,2	17-15		16-4	16-5
	C19-2	---	9B6P	18-1	---
50	15-1	15-4	14A4F	19-5	19-6
	C19-2	---	17A5	19-7	19-8
	C20-3	---	20A3A, 20A3P	17-1	---
60, 62	17-16	17-18	21A4	18-2	---
64, 65	20-3	20-8	22A5C	18-3	---
66, 67, Clock Radio	20-9	20-12	23A6	16-2	---
102, 102W, 107, 107W	18-13	18-14		16-4	---
112	18-15	18-16		16-6	---
113	18-17	18-18	24B6	16-2	---
114, 114W, 115, 115W	18-13	18-14		16-4	---
118, 119M, 119W	19-8	19-10		16-7	16-8
	C20-3	---	25B5	16-2	---
123, 124	20-13	20-15		16-4	---
135, 136	20-16	20-18		16-9	16-10
140	17-21	17-23	26B5	17-2	17-4
	C19-2	---	27CSL	18-4	---
141, 143	20-19	20-22	526, 534, 547, 549, 558, 588,		
145	19-13	19-16	591 (Single-ended tubes)	18-5	---
	C20-4	---			

**GEN. TEL.
HOWARD**

MODEL FROM THROUGH
GENERAL TELEVISION & RADIO CORP. (Cont'd)

526, 534, 547, 549, 558, 588,
591 (Double-ended tubes) 18-6 ---
635 19-9 ---

GILFILLAN BROS., INC.

Overland 16-3 ---
56A, 56B, 56C, 56D, 56E 16-1 ---
58M, 58W 18-3 ---
66AM 16-2 ---
66B, Series 2, Series 3,
Overland 16-3 ---
66DM 16-2 ---
66PM 16-4 ---
68-48 18-1,2 ---
68B, 68D 18-4 ---
68F 17-1 17-2
86 Series 16-5 16-6
108C-M 17-3,4 17-5,6
118C-M 17-7,8 17-9,10

GLOBE ELECTRONICS, INC.

454 18-1 18-3
552 19-1 19-2
558 19-3 19-4
559 19-5 19-6

THE B.F. GOODRICH CO.
(MANTOLA)

AG, Ch. 19-22 19-23
R-635 16-1 16-4
R-655W C18-3 ---
R-661 16-5 16-6
R-685 18-1 18-2
R-743-W 17-1 17-2
R-75152 17-3 17-5
R-76162 17-10 17-12
R-76262 17-13 17-15
R-78162, R-78262 18-3 18-10
W, Ch. 19-26 19-29
11-701 19-1 19-3
92-523, 92-524, 92-525,
92-526 20-1 20-6
93-104, 93-105, 93-106 19-4 19-10
93-107, 93-108 19-11 19-17
75434 17-6 17-7
76143 17-8 17-9
92502 18-11 18-12
92503, 92504 19-18 19-19
92505, 92506 19-20 19-21
92514, 92515, Ch. AG 19-22 19-23
92516, 92517 19-24 19-25
92752, Ch. W 19-26 19-29

GOTHAM
See HAROLD SHEVERS, INC.

W.W. GRAINGER CO.
(DAYTON)

1R73, See FONOTALK
Model 500BI Misc.18-5 ---
1R74, See FONOTALK
Model 500BW Misc.18-5 ---

W.T. GRANT CO.
(GRANTLINE)

Series H, Ch. Misc.19-11 ---
Series R, Ch. Misc.19-11 ---
300, Series B 17-1 ---
405/7 17-2 ---
500, 501, Series A 16-1 16-2
16-5 ---
502, 503, Series A 16-3 16-5
510, Series A 16-6 16-8

GRANTLINE
See W.T. GRANT CO.

THE HALLICRAFTERS CO.

Sky Courier 19-1 19-5
Skyranger 16-20 16-28
Skyrider Panoramic 17-1 17-5
C18-3 C18-4
Super Skyrider 16-3,4 16-16
CA-2 18-1 18-5
EC-1B, Echophone 16-1 16-2
EC-306 18-6 18-9

MODEL FROM THROUGH
THE HALLICRAFTERS CO. (Cont'd)

EC-403, Echophone 16-29,30 16-36
EC-403, Revised 20-14 20-21,22
EC-404, Echophone 16-29,30 16-36
EC-404, Revised 20-14 20-21,22
EX-102, EX-103 20-1 20-4
EX-104, EX-106 20-5 20-13
EX-306 18-6 18-9
RE-1, Sky Courier 19-1 19-5
S-38 C17-3 ---
S-39, Skyranger 16-20 16-28
S-40 C17-3 ---
S-40A C18-3 ---
S-47 17-17,18 17-29
S-51 20-23,24 20-33
S-53 19-6 19-13
S-55, S-56 19-14 19-22
S-58 19-23 19-28
S-59 19-29 19-34
S-72 20-34 20-39,40
SP-44, Skyrider Panoramic 17-1 17-5
C18-3 C18-4
SX-28A, Super Skyrider 16-3,4 16-16
SX-42 17-6 17-16
C18-4 ---
C19-3 ---
SX-43 18-10 18-28
SX-62 20-41,42 20-51
400, 406, 409, 410, 411, 412 19-35,36 19-45
414 19-46 19-53

HEATH CO.

FM-1, FM Tuner 20-1 20-4

HOFFMAN RADIO CORP.
(MISSION BELL)

A202, A309, Ch. 119 16-1 16-2
A700, Ch. 110S 16-4 ---
B400, Ch. 118 16-2 16-3
B502, Ch. 113 17-1 17-6
B503, Ch. 115 15-9 ---
17-8 17-13
17-1 ---
17-3,4 17-7
18-1 18-2
17-10 17-13
15-6 15-10
C20-5 ---
17-1 17-6
C19-3 ---
17-1 ---
17-3,4 17-7
C19-3 ---
15-6 15-10
C20-5 ---
17-1 17-6
C19-3 ---
17-1 ---
17-3,4 17-7
C19-3 ---
20-1 20-6
C1006, C1007, Ch. 131, 132 18-3 18-8
108, Ch. 15-6 15-10
C20-5 ---
16-4 ---
17-1 17-6
C19-3 ---
17-10 17-13
15-9 ---
17-8 17-13
16-2 16-3
119, Ch. 16-1 16-2
123, Ch. 17-1 ---
17-3,4 17-7
18-1 18-2
131, 132, Ch. 18-3 18-8
137, Ch. 20-1 20-6
530, Ch. 137 20-1 20-6

HOWARD RADIO CO.

FM-718 17-20 17-21,22
M901-A 16-1 ---
472-AC, 472-AF 17-4 17-10
472-C, 472-F 17-1 17-7
474 17-11 17-14
481-A 19-1 ---
481-B, 481-C, 481-M 18-1 18-6

HOWARD MAGNAVOX

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>HOWARD RADIO CO. (Cont'd)</u>			<u>LAFAYETTE</u>		
482, 482-A	19-2	19-7	See RADIO WIRE TELEVISION		
718, Series X	17-15	17-19	LA MAGNA MFG. CO.		
718-FM-5-6	17-23	17-28	(LAMCO)		
901-A	16-1	---	3000	18-1	18-3
	C17-4	---	<u>LAMCO</u>		
901-AP-A	16-2	---	See LA MAGNA MFG. CO.		
902-A	18-7	18-8	<u>LAUREHK RADIO MFG. CO.</u>		
906	16-3	16-4	L-52	Misc.16-6	---
906-C	16-4	16-6	<u>LEANDER ELECTRONICS CORP.</u>		
906-S	17-29	17-33	707	17-1	17-3
906-SB	18-9	18-11	<u>LEAR, INC.</u>		
909-M	17-34	17-37	565, 565BL, 566, 567, 568		
909-MR	C18-4	---	662, 663, 665	16-1	16-3
<u>HUDSON MOTOR CAR CO.</u>			667PC	16-4	16-6
See ZENITH RADIO CORP.			861-PC, 1281-PC	Misc.18-7	---
<u>INTERNATIONAL DETROLA CORP.</u>			6610, 6610PC, 6611, 6611PC,	19-1	19-5
(DETROLA)			6612, 6612PC, Early and		
339, 340, 340-1	C18-4	---	Late Production	17-1	17-6
582	16-1	16-4	6614, 6615, 6616	16-7	---
626, with loctal tubes	17-1	---	6617PC	16-5	16-6
626, with miniature tubes	17-2	---	6618	16-8	---
626, with octal tubes	17-3	---	6619	16-4	16-6
2744	C18-4	---	<u>LINCOLN, LINCOLN-CONTINENTAL, LINCOLN-MERCURY,</u>		
7156	17-4	17-6	<u>LINCOLN-ZEPHYR</u>		
7270	16-3	---	See ZENITH RADIO CORP.		
	16-5	16-6	<u>LINCOLN RADIO</u>		
	17-7	17-12	See CONCORD RADIO CORP.		
<u>INTERSTATE HOME EQUIPMENT CORP.</u>			<u>LYTLE & CANON</u>		
68F	Misc.18-6	---	6A47WT, 6A47WTR, 6AWC2, 6AWC3	20-1	20-9
<u>INTERSTATE STORES BUYING CORP.</u>			<u>MAGIC TONE</u>		
(PLYMOUTH)			See RADIO DEVELOPMENT & RESEARCH CORP.		
501	20-1	20-2	<u>MAGNA ELECTRONICS CO.</u>		
503	20-3	20-4	M300-6, M400-6	Misc.17-7	---
<u>JEWEL RADIO CORP.</u>			<u>THE MAGNAVOX CO.</u>		
Pixie	19-3	19-4	Playfellow	20-1	20-4
Trixie	19-5	19-7	AMP-101A	17-1	17-2
300	19-1	19-2	AMP-101C	17-1	17-2
304, Pixie	19-3	19-4	C20-5	---	---
500	18-1	18-4	AMP-108	17-3,4	17-6
505, Clock Radio	18-5	18-7	AMP-109	18-1,2	18-3
801, Trixie	19-5	19-7	AMP-109B, AMP-109C, AMP-109D	18-1,2	18-3
814	19-8	19-9	C20-6	---	---
910	20-1	---	AMP-110	17-7,8	17-10
920A	20-2	---	AMP-111	18-4	18-7
921, 935, 936	20-3	20-4	AMP-111D, AMP-111E	18-4	18-7
949	20-5	---	C20-5	---	---
955	20-6	---	AMP-116	19-23,24	19-25
964	20-7	---	CR-190	C17-4	---
970	20-8	---	CR-197, CR-197A, CR-197B,	16-1,2	16-7
980	20-9	---	CR-197C, CR-197D, CR-197E	C20-6	---
<u>KAISER-FRAZER</u>			CR-198, CR-198A, CR-198B,		
See GENERAL ELECTRIC CO.			CR-198C, CR-198D, CR-198E,	16-5	16-11
<u>THE KAPPLER CO.</u>			CR-198F, CR-198H, CR-198J	C20-6	---
102T, Tuner	19-1	19-3	CR-199	16-12	16-16
<u>KARADIO</u>			CR-200 Series	18-8	18-15
See ECKSTEIN RADIO & TELEVISION CO.			CR-202, CR-202A, CR-202B,		
<u>KAROLA</u>			CR-202C, CR-202D	18-16	18-25,26
See RADIO & TELEVISION PRODUCTS CO.			C20-6	---	---
<u>KERNWOOD RADIO CORP.</u>			CR-203A, CR-203B	17-11,12	17-17
5-Tube, AC-DC	Misc.19-12	---	CR-204 Series	18-27,28	18-37
<u>KETAY MFG. CORP.</u>			CR-206	19-1,2	19-7
BP507T	Misc.15-8	---	CR-207A, CR-207B,		
	C20-5	---	CR-207C, CR-207D	17-13	---
<u>KNIGHT</u>			CR-208A, CR-208B	17-18	17-24
See ALLIED RADIO CORP.				17-13	---
<u>W. T. KNOTT CO., INC.</u>				17-25,26	17-31
(CROMWELL)			CR-208C	17-13	17-25,26
			C20-7	---	---
205	Misc.17-6	---	CR-209A, CR-209B, CR-209C,		
<u>KRAFT MFG. & DISTRIBUTING CO.</u>			CR-209D, CR-209E	19-8	19-15
			CR-210A, CR-210B, CR-210C	19-16	19-21,22
Puppytune	Misc.19-13	---	CR-215, Ch.	20-1	20-4
			CR-216	20-5	20-13

**MAGNAVOX
MIDWEST**

MODEL	FROM	THROUGH
	<u>THE MAGNAVOX CO. (Cont'd)</u>	
CR-217	20-14	20-25, 26
CR-223	20-27, 28	20-35
CR-229	20-36	20-43, 44
CR-231	20-45, 46	20-57
CR-233	20-58	20-66
130, Playfellow, Ch. CR-215	20-1	20-4

MAGUIRE INDUSTRIES, INC.

6K	Misc. 19-14	---
6X	Misc. 18-8	---

MAJESTIC RADIO & TELEVISION CORP.

5A445, 5A445R	16-1	16-2
5AK711, Ch. 5B01A	17-1	17-2
5AK731, 5AK780, Ch. 5B05A	17-3	17-4
5AK781	17-3	17-4
	C19-4	---
5B01A, Ch.	17-1	17-2
5B05A, Ch.	17-3	17-4
6B02D, Ch.	18-1	18-2
6B11D, Ch.	18-3	18-4
6C14D, Ch.	18-3	18-4
	C20-7	---
6FM714, Ch. 6B02D	18-1	18-2
6FM769, Ch. 6C14D	18-3	18-4
	C20-7	---
6FM773, Ch. 6B11D	18-3	18-4
6FM783, Ch. 6C14D	18-3	18-4
	C20-7	---
7B04A, Ch.	17-7	17-10
7BK758	17-5	17-6
	C19-4	---
7C11D, Ch.	20-5	20-8
7C13D, Ch.	20-1	20-4
7C432, 7C447, Ch. 4706, 4707	16-3	16-4
7FM867, Ch. 7C13D	20-1	20-4
7FM877, 7FM888, Ch. 7C11D	20-5	20-8
7JK777R, Ch. 4708R	17-5	17-6
7P420, Ch. 4705	18-5	18-7
7YR752, Ch. 7B04A	17-7	17-10
8B06D, Ch.	17-11, 12	17-16
8B07D, Ch.	17-17, 18	17-22
	C18-4	---
8C07D, Ch.	20-9	20-13
8FM744, Ch. 8B06D	17-11, 12	17-16
8FM776, Ch. 8B07D	17-17, 18	17-22
8FM783, Ch. 8B07D	17-17, 18	17-22
	C18-4	---
8FM889, Ch. 8C07D	20-9	20-13
8JL771A, Ch. 4810A	17-23	17-26
8JL885, Ch. 4810B	18-8	18-10
8S473	C17-4	---
10B27E	19-1, 2	19-6
10C23E, Ch.	20-14	20-18
10FM782	19-1, 2	19-6
10FM891, Ch. 10C23E	20-14	20-18
12B26E, Ch.	17-27, 28	17-33
12C20E, Ch.	17-27, 28	17-33
	C19-4	---
12C22E, Ch.	20-19	20-23
12FM475, Ch. 41201; 12FM778, 12FM779, Ch. 12B26E	17-27, 28	17-33
12FM782, Ch. 12C20E	17-27, 28	17-33
	C19-4	---
12FM895, Ch. 12C22E	20-19	20-23
4705, Ch.	18-5	18-7
4706, 4707, Ch.	16-3	16-4
4708R, Ch.	17-5	17-6
4810A, Ch.	17-23	17-26
4810B, Ch.	18-8	18-10
41201, Ch.	17-27, 28	17-33

MANTOLA

See THE B. F. GOODRICH CO.

McMURDO SILVER CO., INC.

801	20-1	20-3
802	20-4	20-6

JOHN MECK IND., INC.

F-M Converter	19-1	19-2
CA-500	19-4	---
CB-500	19-3	---
CD-500	18-2	---
CG-500	19-3	---

MODEL	FROM	THROUGH
	<u>JOHN MECK IND., INC. (Cont'd)</u>	
DA-601, DB-602, Ch. 4D7	19-5	---
	C20-7	---
DE-640, DF-641	18-1	18-2
EC-720, ED-721, Ch. 5A9	20-1	---
EF-730, EG-731	20-2	---
EV-760	20-1	---
4B7	20-1	---
4D7, Ch.	19-5	---
	C20-7	---
4D8	18-3	---
4FB	20-1	---
4H8	18-3	---
5A7	19-3	---
5A9, Ch.	20-1	---
5B5	19-3	---
5CS, 5D7-W18	19-4	---
5G8	18-4	---
5H8	18-4	---
6B8	19-5	---

MEISSNER MFG. DIV.
MAGUIRE INDUSTRIES, INC.
(BREWSTER)

5A	17-9	---
5B	20-1	---
6D	C17-4	---
6H	17-10	---
8C	17-1	17-4
8C, 8CK, Revised	20-2	20-6
9-1053, 9-1054	18-1	18-4
9-1065	16-1	16-3
9-1091A, 9-1091B	17-5	17-8
9-1091C	19-1	19-6
9-1093	18-5	18-8
10-1193	18-9	---
10-1199	18-10	18-12
16A	20-7	20-12
574	17-9	---
661	17-10	---
2961	19-7, 8	19-21

MERCANTILE STORES CO., INC. (N.Y.)
(CROMWELL)

1010	20-1	20-2
1020	20-3	20-4

MERCURY CAR
See ZENITH RADIO CORP.

MICRO-ELECTRONIC PRODUCTS, INC.

Micro Pocket Radio	20-1	20-2
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MIDWEST RADIO CORP.

C-12, Ch. JC-12	20-1	20-3
C-16, Ch. JC-16	20-4	20-8
JC-12, Ch.	20-1	20-3
JC-16, Ch.	20-4	20-8
LB-16, Ch.	19-4	19-6
LC-12, Ch.	19-1	19-3
P-6, PB-6	17-1	17-3
R-8, Ch. RTM-8	18-1	18-3
R-12, Ch. RGT-12	18-4	18-6
R-16, Ch. RGT-16	18-7	18-12
RB-12, Ch. LC-12	19-1	19-3
RB-16, Ch. LB-16	19-4	19-6
RC-12, Ch. JC-12	20-1	20-3
RC-16, Ch. JC-16	20-4	20-8
RG-12, Ch. RGT-12	18-4	18-6
RG-16, Ch. RGT-16	18-7	18-12
RGT-12, Ch.	18-4	18-6
RGT-16, Ch.	18-7	18-12
RM-8, Ch. RTM-8	18-1	18-3
RT-12, Ch. RGT-12	18-4	18-6
RT-16, Ch. RGT-16	18-7	18-12
RTM-8, Ch.	18-1	18-3
S-8	17-4	17-6
S-12, Ch. SGT-12	16-1	16-4
S-16, Ch. SGT-16	16-4	16-12
SC-12, Ch. LC-12	19-1	19-3
SC-16, Ch. LB-16	19-4	19-6
SG-12, Ch. SGT-12	16-1	16-4
SG-16, Ch. SGT-16	16-4	16-12
SGT-12, Ch.	16-1	16-4
SGT-16, Ch.	16-4	16-12
SK-12, Ch. JC-12	20-1	20-3
SK-16, Ch. JC-16	20-4	20-8
ST-8	17-4	17-6

MIDWEST
MONT-WARD

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>MIDWEST RADIO CORP. (Cont'd)</u>			<u>MONTGOMERY WARD (Cont'd)</u>		
ST-12, Ch. SGT-12	16-1	16-4	74BR-2708A, 74BR-2708B,		
ST-16, Ch. SGT-16	16-4	16-12	74BR-2708C	18-15	18-22
TM-8	17-4	17-6	74BR-2710A	18-5, 6	18-7, 8
8X12, Ch. RGT-12	18-4	18-6		18-10	18-14
88, 88A, Ch. RTM-8	18-1	18-3	74BR-2715A	18-23	18-30
98	18-1	18-3	74BR-2717A	18-31	18-34
	C19-4	---	74KR-1210A	17-39	17-41
712, Ch. SGT-12	16-1	16-4	74KR-2706A, 74KR-2706B,		
716, 716A, Ch. SGT-16	16-4	16-12	74KR-2713A	17-43	17-46
816, Ch. RGT-16	18-7	18-12	74WG-1050B	C18-4	---
916, Ch. LB-16	19-4	19-6	74WG-1050D	15-75	15-77
922, Ch. LC-12	19-1	19-3		C19-5	---
<u>MINERVA CORP. OF AMERICA</u>			74WG-1052B	16-5	16-7
			74WG-1054A	C17-5	---
			74WG-1056A	17-47	17-49
W702	18-1	18-3		C18-6	---
W725	19-1	19-2	74WG-1057A	17-50	17-52
W729, Portapal	18-4	18-6	74WG-1207B	16-3	---
729, Portapal	16-1	16-2		16-8	16-10
410, 411	19-3	19-4	74WG-1509A, 74WG-1509B	17-53	17-56
<u>MISSION BELL</u>			74WG-1510A, 74WG-1510B	17-53	17-56
See <u>HOFFMAN RADIO CORP.</u>			74WG-1801C	C18-5	---
<u>MITCHELL MFG. CO.</u>			74WG-1801D	C18-5	---
Lullaby Bed Lamp Radio	Misc. 18-9	---	74WG-1802A, 74WG-1803A	17-57	17-59
1260	20-1	20-2	74WG-1804B	C18-4	---
<u>MOLDED INSULATION CO.</u>			74WG-1804C	C17-4	---
RS-1	16-1	---	74WG-1804D, 74WG-1805A	17-60	17-62
RS-1A	16-2	---	74WG-1807B	C17-10	---
<u>MONITOR EQUIPMENT CORP.</u>				C18-5	---
M-403	16-3	16-4	74WG-2002A	17-63	17-65
M-500	19-1	19-2	74WG-2004A	17-58	17-59
M-510	16-5	16-6		17-66	---
M-3070	17-1	17-4	74WG-2009B	C17-5	---
RA-50	17-5	17-6	74WG-2010B	16-13	16-17
RAM-47	18-1	18-2	74WG-2500B	C18-5	---
TA-56M, TC-56M, TW-56M	16-1	16-2	74WG-2504A, 74WG-2504B,		
<u>MONTGOMERY WARD</u>			74WG-2504C	17-67	17-71
(AIRLINE)			74WG-2505A	16-16	---
04BR-420B	C18-4	---		16-22	16-26
14WG-635B	C18-4	---	74WG-2705B	C17-5	---
54KP-1209B	16-1	16-4	74WG-2709A	17-72	17-75
54WG-2700A	C17-5	---	74WG-2711	C18-5	---
62-49, 62-68, 62-68X, 62-88	17-1	17-2	84BR-1065A	18-35	18-37
64BR-916A	17-3	---	84BR-1503D, 84BR-1504D	18-38	18-40
64BR-916B	17-4	---	84BR-1507B, 84BR-1508B	18-41	18-43
64BR-1051A	C17-4	---	84BR-1515A, 84BR-1516A	18-44	18-46
64BR-1051B	C17-4	---	84BR-1517A, 84BR-1518A	19-1	19-3
64BR-1513A, 64BR-1514A	17-5	17-8	84BR-1815A, 84BR-1816A	18-44	18-46
64BR-1808A	17-9	17-14	84BR-2003C	19-4	19-6
64WG-1050B, 64WG-1050C	15-75	15-77	84BR-2005A	19-7	19-8
	C19-5	---	84BR-2715A, 84BR-2715B	18-23	18-30
64WG-1050D	15-75	15-77	84BR-2715C	19-9	19-13
	C18-4	---	84BR-2715D	19-14	19-18
	C19-5	---	84BR-2719A	19-19	19-24
64WG-1052B	16-5	16-7	84BR-2719B	19-25	19-29
64WG-1207A, 64WG-1207B	16-3	---	84BR-2722A	19-9	19-13
	16-8	16-10	84BR-2726A	19-30	19-34
64WG-1804B	C18-4	---	84BR-2726B	20-1	20-5
64WG-1804C	16-3	---	84BR-2733A	20-6	20-10
	16-10	16-12	84GCB-1062A	18-47	18-48
	C17-4	---	84HA-1527A, 84HA-1528A	19-35	19-37
64WG-1807B	C17-10	---	84HA-1810A	19-38	19-41
	C18-5	---	84HA-1810C	19-42	19-45
64WG-2009B	C17-5	---	84HA-2725A	20-11	20-19, 20
64WG-2010A, 64WG-2010B	16-13	16-17	84HA-2727A	20-21, 22	20-28
64WG-2500B	C18-5	---	84KR-1209B	18-49	18-51
64WG-2700A	C17-5	---	84KR-1520A	18-52	18-53
64WG-2700B	C17-5	---	84KR-2510A	18-54	18-56
	C18-5	---	84KR-2716A	19-46	19-48
74BR-1053A	17-15	17-17	84KR-2723A	19-49	19-51
74BR-1055A	17-18	17-20	84WG-1056B	18-57	18-60
74BR-1501B, 74BR-1502B	17-21	17-23	84WG-1060A	18-61	18-63
74BR-1507A, 74BR-1508A	17-24	17-25	84WG-1060C	18-64	18-66
74BR-1513B, 74BR-1514B	17-5	17-8	84WG-1804D, 84WG-1806A	19-52	19-55
74BR-1812A	16-17	16-21	84WG-2015A, 84WG-2015B	19-84	19-93
74BR-1812B	C18-5	---	84WG-2504D	19-56	19-59
74BR-2001A	17-26	17-28	84WG-2506A	18-67	18-70
74BR-2003A, 74BR-2003B	17-29	17-31	84WG-2704D	18-76	18-78
74BR-2003C	C18-5	---	84WG-2712A, 84WG-2712B	18-79	18-90
74BR-2702A, 74BR-2702B	17-32	17-38	84WG-2714A, 84WG-2714B,		
74BR-2707A	18-1	18-9	84WG-2714C, 84WG-2714D,		
			84WG-2714E	19-60	19-72

MONT-WARD MOTOROLA

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>MONTGOMERY WARD (Cont'd)</u>			<u>MOTOROLA, INC. (Cont'd)</u>		
84WG-2714F	19-73	19-77	HS-125, Ch.	19-45	19-50
84WG-2714G	19-78	19-83	HS-127, HS-127A, Ch.	20-54	20-59
84WG-2718A, 84WG-2718B	19-93	19-101	HS-128, Ch.	20-70	20-83, 84
84WG-2720A	19-93	19-101	HS-132, Ch.	20-70	20-83, 84
84WG-2721A, 84WG-2721B, 84WG-2721C	20-29	20-36	HS-133, Ch.	20-85, 86	20-98
84WG-2721D	20-37	20-41	HS-140, Ch.	20-29	20-32
84WG-2724A	19-93	19-101	HS-144, Ch.	19-58	19-63
84WG-2728A	20-42	20-47	HS-148, Ch.	20-60	20-63
84WG-2732A, 84WG-2732B	20-48	20-53	HS-150, Ch.	19-82	19-90
84WG-2734A	20-42	20-47	HS-155, Ch.	19-82	19-90
94BR-1535A	20-54	20-58	HS-158, Ch.	19-33	19-38
94WG-1059A	20-59	20-62	HS-160, Ch.	20-21	20-24
94WG-1804D	20-63	20-65	HS-165, Ch.	20-8	20-14
94WG-2742A	20-66	20-69	HS-168, Ch.	20-99	20-105
94WG-2742C, 94WG-2742D	20-70	20-74	HS-175, Ch.	20-64	20-69
94WG-2745A	20-75	20-79	HS-183, Ch.	20-15	20-20
94WG-2746A, 94WG-2746B	20-80	20-84	HS-184, Ch.	20-25	20-28
94WG-2747A	20-85	20-89	HS-187, Ch.	20-38	20-43
94WG-2748A, 94WG-2748B	20-90	20-95	HS-188, Ch.	20-33	20-37
94WG-2749A	20-96	20-100	KR8, Ch. 8A	19-6	19-12
			NH6	16-6	16-7
<u>MOTOROLA INC.</u>				16-18	16-22
Airboy	17-1	17-3	NH8, Ch. 8A	19-6	19-12
AR-96-23, Airboy	17-1	17-3	OE2, Ch. 8A	19-6	19-12
AT-58	19-1	19-5	OE6	16-7	---
BK8, BK8X, Ch. 8A	19-6	19-12	OE8, Ch. 8A	16-9	16-17
CR6	16-1	16-8	PC3, Ch. 8A	19-6	19-12
CR7	15-9	15-10	PC6	16-7	---
	16-1	16-8		16-9	16-17
	C20-7	---	PC8, Ch. 8A	19-6	19-12
CR8	19-13	19-22	PD6	16-6	16-7
CT6	16-7	---		16-23	16-28
	16-9	16-17	PT10, Tuner	18-67	18-69
CT8, Ch. 8A	19-6	19-12	PT14, Tuner	18-1	18-3
CT9, 1949 Chevrolet	20-1	20-7	SR6, Ch. 8A	19-6	19-12
E-33-T	19-105	19-107	SR7	18-4	18-6
E-34-T	19-127	19-129	ST54, Tuner	17-4	17-9
FD6	16-6	16-7	ST56, Tuner	19-23	19-32
	16-18	16-22	5A1, Ch. HS-6	15-1	---
FD8, Ch. 8A	19-6	19-12		17-10	17-13
HS-6, Ch.	15-1	---	5A5, Ch. HS-15	15-2	---
	17-10	17-13		17-10	---
HS-15, Ch.	15-2	---	5A7, Ch. HS-62	17-14	17-17
	17-10	---		17-18	17-21
	17-14	17-17		17-23	---
HS-26, Ch.	18-20	18-24	5A7A, Ch. HS-62A	17-25	17-26
HS-32, Ch.	15-62	---		17-18	17-20
	17-56	17-60		17-22	---
HS-36, HS-36A, Ch.	18-52	18-72	5A9B, 5A9M, 5A9S, Ch. HS-62A;	17-24	17-26
HS-38, Ch.	19-91	19-107	5A9UB, 5A9UM, Ch. HS-165		
HS-39, Ch.	19-91	19-107	8A, Ch.	20-8	20-14
HS-58, Ch.	17-80	17-84	8FDT, Ch. 8A	19-6	19-12
HS-59, Ch.	17-75	17-79	8GMT, Ch. 8A	19-6	19-12
HS-60, Ch.	17-52	17-55	47B11	17-27	17-31
HS-62, Ch.	17-18	17-21	48L11, Ch. HS-113	18-7	18-12
	17-23	---	49L11Q, 49L13Q, Ch. HS-183	20-15	20-20
HS-62A, Ch.	17-25	17-26	55F11	17-17	---
	17-18	17-20		17-32	17-35
	17-22	---	56X11, Ch. HS-94	17-36	17-39
	17-24	17-26	57B61V, Ch. HS-77	17-40	17-51
HS-63, Ch.	20-8	20-14	57X11, 57X12, Ch. HS-60	17-52	17-55
HS-64, Ch.	17-68	17-74	58A11, 58A12, Ch. HS-158	19-33	19-38
HS-67, Ch.	18-25, 26	18-39	58G11, 58G12, Ch. HS-160	20-21	20-24
	15-62	---	58L11, Ch. HS-114	18-13	18-19
	17-56	17-60	58R11, Ch. HS-116	19-39	19-44
HS-69, Ch.	17-43	17-46	58R11A, Ch. HS-184	20-25	20-28
	17-48	17-49	58R12, Ch. HS-116	19-39	19-44
	17-61, 62	17-67	58R12A, Ch. HS-184	20-25	20-28
HS-70, Ch.	17-43	17-46	58R13, Ch. HS-116	19-39	19-44
	17-48	17-49	58R13A, Ch. HS-184	20-25	20-28
	17-66	---	58R14, Ch. HS-116	19-39	19-44
	17-95, 96	17-100	58R14A, Ch. HS-184	20-25	20-28
HS-77, Ch.	17-40	17-51	58R15, Ch. HS-116	19-39	19-44
HS-87, Ch.	19-108	19-129	58R15A, Ch. HS-184	20-25	20-28
HS-89, Ch.	19-64	19-81	58R16, Ch. HS-116	19-39	19-44
HS-91, Ch.	18-47	18-51	58R16A, Ch. HS-184	20-25	20-28
HS-94, Ch.	17-36	17-39	58X11, Ch. HS-125	19-45	19-50
HS-97, Ch.	19-64	19-81	58X11Q, Ch. HS-140	20-29	20-32
HS-98, Ch.	18-52	18-72	58X12, Ch. HS-125	19-45	19-50
HS-102, Ch.	18-73, 74	18-88	58X12Q, Ch. HS-140	20-29	20-32
HS-113, Ch.	18-7	18-12	59F11, Ch. HS-188	20-33	20-37
HS-114, Ch.	18-13	18-19	59L11Q, 59L12Q, Ch. HS-187	20-38	20-43
HS-116, Ch.	19-39	19-44	65F21, Ch. HS-26	18-20	18-24
HS-119, Ch.	18-40	18-46	65T21, Ch. HS-32; 65T21B, Ch. HS-67	15-62	---
HS-122, Ch.	19-51	19-57		17-56	17-60
HS-124, Ch.	20-44	20-53			

**MOTOROLA
NOBLITT**

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>MOTOROLA, INC. (Cont'd)</u>			<u>MUSICAIRE</u>		
67F11, 67F12, 67F12B, Ch. HS-63	17-68	17-74	See COAST-TO-COAST STORES CENTRAL ORGANIZATION INC.		
67F14, Ch. HS-122	19-51	19-57	<u>NASH</u>		
67F61BN, Ch. HS-69	17-43	17-46	See RADIO CORP. OF AMERICA Also See ZENITH RADIO CORP.		
	17-48	17-49	<u>NATIONAL ACOUSTIC PRODUCTS</u>		
	17-61, 62	17-67			
67L11, Ch. HS-59	17-75	17-79			
67T61BN, Ch. HS-69	17-43	17-46	WRA-1	Misc.16-7	---
	17-48	17-49			
	17-61, 62	17-67			
67X11, 67X12, 67X13, Ch. HS-58	17-80	17-84	<u>NATIONAL CO., INC.</u>		
67XM21, Ch. HS-64	18-25, 26	18-39	HRO Series	17-7	17-20
68F11, 68F12, 68F14, 68F14B, 68F14M, Ch. HS-124	20-44	20-53	HRO-5	17-4	17-6
68L11, Ch. HS-119	18-40	18-46	HRO-5-1 Series	17-16	17-17
68T11, Ch. HS-144	19-58	19-63	HRO-5A1	17-21	17-34
68X11, 68X11A, Ch. HS-127, HS-127A	20-54	20-59	HRO-5R	17-4	17-6
68X11Q, Ch. HS-148	20-60	20-63	HRO-5RA	17-16	---
68X12, 68X12A, Ch. HS-127, HS-127A	20-54	20-59	HRO-5T	17-4	17-6
68X12Q, 68X13Q, Ch. HS-148	20-60	20-63	HRO-5TA	17-16	---
69L11, Ch. HS-175	20-64	20-69	HRO-7	17-21	---
75F21, Ch. HS-91	18-47	18-51		17-28	---
75F31, 75F31A, 75F31B, 76F31, Ch. HS-36, HS-36A, HS-98	18-52	18-72	HRO-M, HRO-MX, HRO-M-RR, HRO-M-TM	17-1	17-48
PT10, Tuner	18-67	18-69	NC-57	18-1	18-16
77FM21, 77FM22, 77FM22M, 77FM22WM, 77FM23, Ch. HS-89, HS-97	19-64	19-81	NC-108R, NC-108T	19-1	19-10
77XM21, 77XM22, 77XM22B, Ch. HS-102	18-73, 74	18-88	NC-173	17-49, 50	17-62
78FM21, 78FM21M, Ch. HS-132; 78FM22M, Ch. HS-128	20-70	20-83, 84	NC-183	19-11	19-35
78F11, 78F11-M, 78F12-M, Ch. HS-150, HS-155	19-82	19-90	686S	17-28	---
79XM21, 79XM22, Ch. HS-168	20-99	20-105	697	17-21	---
85F21	17-59	---	<u>NATIONAL COOPERATIVES, INC.</u>		
	17-85	17-91	R-546	Misc.16-8	---
	17-59	---	R-646	Misc.19-15	---
	17-86	17-88	6A47WT, 6A47WTC, 6A47WTR, 6AFMT, 6AMM, 6AWC2, 6AWC3	18-1, 2	18-8
	17-91	17-94	<u>NATIONAL UNION RADIO CORP.</u>		
85K21	17-43	17-46	Fraternity	17-1	---
	17-48	17-49	G-517-B, G-517-W, Fraternity	17-1	---
	17-66	---	G-613	16-1	16-2
	17-95, 96	17-100	G-615	16-3	16-4
	20-85, 86	20-98	G-617-SN	Misc.18-10	---
87T61BN, Ch. HS-70	17-43	17-46	571	17-2	17-4
	17-48	17-49	<u>NOBLITT-SPARKS INDUSTRIES, INC.</u>		
	17-66	---	(ARVIN)		
	17-95, 96	17-100	RE-91, Ch.	19-12	19-13
88FM21, Ch. HS-133	20-85, 86	20-98	RE-200, Ch.	19-12	19-13
95F31, Ch. HS-38; 95F31B, 95F31M, Ch. HS-39; 95F33, Ch. HS-38	19-91	19-107	RE-200M, Ch.	C17-6	---
E-33-T	19-105	19-107	RE-202, Ch.	16-1	16-4
107F31, 107F31B, Ch. HS-87	19-108	19-129		C20-7	---
E-34-T	19-127	19-129	RE-204, Ch.	C17-6	---
309	20-106	20-109	RE-206-1, Ch.	20-17	20-18
402	C18-5	---	RE-206-2, Ch.	17-16	17-18
405	16-7	---	RE-209, Ch.	17-1	17-4
	16-16	---	RE-228, Ch.	17-5	17-8
	16-29	---	RE-231, Ch.	16-1	16-4
	16-33	---		C20-7	---
	16-35	16-36	RE-232, Ch.	19-1	19-3
	18-89	18-91	RE-233, Ch.	18-1	18-3
408	19-130	19-132	RE-237, Ch.	17-9, 10	17-15
409	15-9	---		C19-4	---
505	15-77	---	RE-242, Ch.	19-13	19-14
	16-7	---	RE-243, Ch.	18-6	18-7
	16-16	---	RE-244, Ch.	19-4	19-6
	16-30	---	RE-248, Ch.	18-4	18-6
	16-33	---	RE-251, Ch.	19-7	19-8
	16-35	16-36	RE-252, Ch., Revised	20-1	20-4
	18-90	---	RE-253, Ch.	18-8	18-12
508	18-92	18-94	RE-254, RE-255, RE-256, Ch.	19-4	19-6
	20-110	20-112	RE-259, Ch.	19-4	19-6
509	16-7	---	RE-260, Ch.	20-14	20-16
605	16-16	---	RE-265, Ch.	19-9	19-11
	16-31	---	RE-267, Ch.	20-7	20-10
	16-33	16-36	RE-273, Ch.	20-11	20-13
	18-90	---	RE-274, Ch.	20-5	20-6
	18-95	18-97	140P, Ch. RE-209	17-1	17-4
609	20-113	20-115	150TC, 151TC, Ch. RE-228	17-5	17-8
705	16-7	---	152T, 153T, Ch. RE-233	18-1	18-3
	16-16	---	160T, 161T, Ch. RE-232	19-1	19-3
	16-32	16-36	182TFM, Ch. RE-237	17-9, 10	17-15
	18-90	---		C19-4	---
708	18-98	18-100	240P, Ch. RE-243	18-6	18-7
	20-116	20-118	241P, Ch. RE-244, RE-254, RE-255, RE-256, RE-259	19-4	19-6
709			242T, 243T, Ch. RE-251	19-7	19-8

NOBLITT PHILCO

MODEL FROM THROUGH

NOBLITT-SPARKS INDUSTRIES, INC. (Cont'd)

244P, Ch. RE-244, RE-254, RE-255, RE-256, RE-259	19-4	19-6
250P, Ch. RE-248	18-4	18-6
253T, 254T, 255T, 256T, Ch. RE-252, Revised	20-1	20-4
264T, 265T, Ch. RE-265	19-9	19-11
280TFM, 281TFM, Ch. RE-253	18-8	18-12
341T, Ch. RE-274	20-5	20-6
350P, 351P, Ch. RE-267	20-7	20-10
356T, 357T, Ch. RE-273	20-11	20-13
360TFM, 361TFM, Ch. RE-260	20-14	20-16
442, Ch. RE-91, RE-200	19-12	19-13
444AH, Ch. RE-91, RE-200	19-12	19-13
444AM, 444M, Ch. RE-200M	C17-6	---
544	C17-10	---
544AR	C17-5	---
544R	C17-5	---
	C17-10	---
547, 547A, Ch. RE-242	19-13	19-14
552AN, 552N, 555, 555A, Ch. RE-202, RE-231	16-1	16-4
	C20-7	---
558, Ch. RE-204	C17-6	---
664, 664A, Ch. RE-206-1	20-17	20-18
665	16-5	16-7
2410P, Ch. RE-244, RE-254, RE-255, RE-256, RE-259	19-4	19-6
6640, Ch. RE-206-2	17-16	17-18

NORTHERN RADIO CO.

Type N600, Model A	19-1	19-21
Type N600, Model AJ	18-1	18-8
Type N600, Model B	19-1	19-21
Type N600, Model BJ	18-1	18-8
Type N600, Model C	19-1	19-21
Type N600, Model CJ	18-1	18-8
Type N600, Model D	19-1	19-21
Type N600, Model DQ	19-1	19-21
Type N600, Model DQT	19-1	19-21
Type N600, Model DT	19-1	19-21
Type N600, Model E	19-1	19-21
Type N600, Model ED	19-1	19-21
Type N600, Model EDJ	18-1	18-8
Type N602, Model A	19-1	19-21
Type N602, Model B	19-1	19-21
Type N602, Model C	19-1	19-21
Type N602, Model D	19-1	19-21
Type N602, Model DQT	19-1	19-21
Type N602, Model DT	19-1	19-21
Type N602, Model E	19-1	19-21
Type N602, Model ED	19-1	19-21
N605-E	16-1	16-4

OLDSMOBILE

See UNITED MOTORS SERVICE

OLYMPIC RADIO & TELEVISION INC.

PQ61	18-1	18-2
PT50, PT51	18-4	---
6-507	18-5	18-6
6-604V-110, 6-604V-220, Early	17-1	17-4
6-604V-110, 6-604V-220, Late	17-3	17-6
6-604W-110, 6-604W-150, 6-604W-220, Early	17-1	17-4
6-604W-110, 6-604W-150, 6-604W-220, Late	17-3	17-6
6-606U	17-7	17-9
6-608-110, 6-608-220	18-7	18-10
6A-501V-U, 6A-501W-U, 6A-502-U	C18-7	---
6A-606	16-1	16-2
6A-606-U	17-8	---
	17-10	17-11
6B-606	16-3	16-4
7-421V, 7-421W, 7-421X	18-2	18-3
7-435V, 7-435W	18-13	18-15
7-526	16-5	16-6
7-532V, 7-532W	19-1	19-3
7-537V, 7-537W	19-3	19-5
7-622	19-6	19-8
7-638	19-6	19-8
7-724	17-12	17-14
7-925, 7-934	19-9,10	19-13
7-936	19-9,10	19-13
7-939	19-9,10	19-13
8-618, 8-618-220	18-10	18-12
8-925	19-14	19-15,16

MODEL FROM THROUGH

OLYMPIC RADIO & TELEVISION INC. (Cont'd)

8-934, 8-936	19-14	19-15,16
530	18-16	---
730	19-17	---

OPERADIO MFG. CO.

855-AR	Misc.17-9	---
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THE ORTHON CORP.

605, 615, 705, 715	20-1	20-2
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PACENT ENGINEERING CORP.

9-R	18-1	18-2
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PACKARD-BELL CO.

Phonocord	17-8	17-13
5DA	16-1	16-2
5DB, 100	20-1	20-2
471	17-1	17-2
568	16-3	16-4
571, 572	17-3	17-4
581	20-1	20-2
673	17-5	17-7
673A, 673B	18-1	18-3
682	20-3	20-4
771, 771X	18-4	18-6
791	20-5	20-7
861, Phonocord	17-8	17-13
872	17-14	17-16
880	18-1	18-3
881	18-7	18-9
882	18-10	18-12
884, 892	19-1	19-3
1063	18-13	18-16
1181, 1181A	20-8	20-11
1272	19-4	19-10
1273	19-11	19-14
1472	19-15,16	19-19

PACKARD MOTOR CAR CO.

Also See PHILCO CORP.

PA-33915, Early; PA-33915, Late; See STEWART-WARNER Models 3341, 3341-R Late, 3371	18-11	18-14
PA-351099, PA-351100; See STEWART- WARNER Models R-3271, R-3271C	18-7	18-8
PA-351101, PA-351102; See STEWART- WARNER Models R-3291, R-3291C	18-9	18-10
PA-353832; See STEWART-WARNER Models 3341, 3341-R Late, 3371	18-11	18-14

PENTRON CORP.

748, Astra-Sonic	Misc.19-16	---
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PHILCO CORP.

Mopar 802, Chrysler	19-1	19-9
C-4608, Codes 121, 122; Mopar 802, Chrysler	19-1	19-9
CR-2, Code 121	16-1	16-3
CR-4, Code 121	16-4	---
	16-6	16-8
CR-6, Code 121	16-5	16-8
CR-8	19-10	19-15,16
CR-9	19-17,18	19-23
CR-10	20-1	20-7
CR-12	20-8	20-13,14
P-4635, Packard	20-26	20-33
P-4735, Packard	19-24	19-29,30
S-4624, S-4625, Studebaker	20-34	20-41
S-4626, S-4627, Studebaker	19-31	19-38
S-4824, Studebaker	20-42	20-46
UN6-100	18-1	18-7
UN6-400	19-39	19-46
UN6-450	17-1	17-5
UN6-500	17-5	17-9
UN6-550	18-8	18-15
46-131	20-47	20-54
46-132	20-55	20-62
46-200, Code 125	16-9	16-11
46-421, 46-421-I	19-47	19-54
46-427	18-16	18-23
46-1203, Code 125	16-12	16-14
47-204, 27-205	20-63	20-68
47-1227	19-55	19-69,70
47-1230	19-71	19-83,84
48-141, 48-145	18-24	18-31

RCA

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	<u>RADIO CORP. OF AMERICA (Cont'd)</u>			<u>RADIO CORP. OF AMERICA (Cont'd)</u>	
QB12, Ch. RC-529A	15-8	15-12	RC-618, RC-618A, Ch.	19-16	19-25
	C17-5	---		C20-9	---
QB13, Ch. RC-529A, RC-612	16-7	---	RC-618B, RC-618C, Ch.	19-35	19-44
	16-19	16-24		C20-8	---
QB55, Ch. RC-563A	15-27	15-29		C20-10	---
	C18-8	---	Revised	20-13	---
	C19-5	---	RC-618D, Ch.	20-11	20-14
QB55X, Ch. RC-563K	17-9	17-11	RC-1000C, Ch.	16-48	16-50
	C19-5	---	RC-1004E, Ch.	15-25	15-26
QU51C, QU51M, QU55, Ch. RC-568, RC-568A	14-37	14-41		17-27	17-28
	14-64	---		C17-6	---
	C17-6	---	RC-1011, RC-1011A, RC-1011B, Ch.	15-26	---
QU61, Ch. RC-568B	15-55	15-59		15-31	---
	C18-7	---		15-49	15-50
	C19-6	---		C17-6	---
QU62, Ch. RC-602B	17-12	17-20		C17-7	---
	C19-5	---	RC-1017, Ch.	C18-8	---
QU72, QU72A, Ch. RC-1035	17-21	17-24		15-16	---
RC-368, Ch.	19-65	19-70		15-24	---
RC-396, Ch.	11-15	11-16	RC-1017A, Ch.	C17-7	---
	C17-5	---		16-33	16-34
RC-474D, Ch.	16-25	16-27		C19-7	---
RC-490, Ch.	19-54	19-55	RC-1017B, Ch.	16-33	16-34
RC-507U, Ch.	16-14	16-18	RC-1023, Ch.	15-32	15-34
RC-529A, Ch.	15-8	15-12		15-51	15-52
	16-7	---		C17-6	---
	16-19	16-24		C17-7	---
	C17-5	---	RC-1023A, Ch.	15-33	---
RC-563A, Ch.	15-27	15-29		15-37	15-39
	C18-8	---		15-51	15-52
	C19-5	---		C17-6	---
RC-563K, Ch.	17-9	17-11		C19-6	---
	C19-5	---	RC-1023B, Ch.	15-33	15-36
RC-568, RC-568A, Ch.	14-37	14-41		15-51	15-52
	14-64	---		C17-6	---
	C17-6	---		C17-7	---
RC-568B, Ch.	15-55	15-59	RC-1023C, Ch.	C19-6	---
	C18-7	---		15-33	---
	C19-6	---		15-51	15-52
RC-585, Ch.	16-1	16-7		C17-6	---
RC-589, RC-589A, RC-589B, RC-589D, RC-589U, RC-589UA, RC-589UB, Ch.	15-22	15-24	RC-1034, Ch.	C19-6	---
	C18-8	---		15-61	15-62
	C18-9	---		16-31	16-32
RC-594C, Ch.	15-4	15-7		C17-6	---
	C19-5	---	RC-1035, Ch.	C17-7	---
RC-594D, Ch.	15-52	15-54	RC-1037B, Ch.	C20-10	---
	C17-6	---	RC-1038, RC-1038A, Ch.	17-21	17-24
	C17-7	---		20-1	20-2
RC-601, RC-601A, Ch.	17-1	17-3		15-89	15-91
	17-6	17-8	RC-1040, RC-1040A, Ch.	C18-10	---
RC-601D, RC-601E, Ch.	17-3	17-8		15-87	15-88
RC-602, RC-602A, Ch.	18-3	18-10		C17-7	---
	C19-5	---	RC-1040B, Ch.	C17-7	15-88
	C20-7	---		C19-7	---
RC-602B, Ch.	17-12	17-20		C20-10	---
	C19-5	---	RC-1040C, RC-1040D, Ch.	18-11	18-14
RC-605, Ch.	15-44	15-48		C20-8	---
	C17-7	---		C20-10	---
RC-606, Ch.	16-35	16-39	RC-1044, Ch.	16-8	16-9
	C19-5	---		16-11	16-13
	C19-7	---		C17-6	---
RC-606C, Ch.	19-49	19-53	RC-1044B, Ch.	16-8	---
RC-608, Ch.	16-39	16-43		16-10	16-13
	C18-8	---		C17-6	---
	C20-11	---	RC-1045, Ch.	17-25	17-26
RC-610, RC-610C, Ch.	19-56	19-64	RC-1046, Ch.	17-29	17-30
	C20-11	---		C19-5	---
RC-612, Ch.	16-7	---	RC-1046A, Ch.	17-29	17-30
	16-19	16-24		C19-5	---
RC-613A, Ch.	18-55	18-60	RC-1046B, Ch.	17-29	17-30
	C19-5	---		C19-5	---
	C20-11	---	RC-1046C, RC-1046D, RC-1046E, Ch.	17-29	17-30
RC-615, Ch.	18-15	18-16		C18-10	---
	19-47	19-48		C19-5	---
	C19-5	---	RC-1047, Ch.	16-28	16-30
RC-616, Ch.	18-17	18-24		C19-6	---
	C20-9	---	RC-1050, RC-1050A, Ch.	18-49	18-50
RC-616A, Ch.	19-16	19-25		C19-7	---
	C20-9	---		C20-11	---
RC-616F, Ch.	18-17	18-24	RC-1050B, Ch.	18-49	18-50
	C20-9	---		C20-11	---
RC-616H, Ch.	19-16	19-25	RC-1057A, Ch.	18-53	18-54
	C20-9	---		C20-11	---
			RC-1057B, Ch.	20-21	20-23

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>RADIO CORP. OF AMERICA (Cont'd)</u>			<u>RADIO CORP. OF AMERICA (Cont'd)</u>		
RC-1058, RC-1058A, Ch.	18-51	18-52	8X541, 8X542, 8X543, 8X544, 8X545,		
	C19-7	---	8X546, 8X547, Ch. RC-1065,		
RC-1059, RC-1059A, Ch.	19-5	19-9	RC-1065A	18-45	18-46
	C20-7	---		C20-11	---
	C20-10	---	8X681, 8X682, Ch. RC-1061	19-26	19-29
RC-1059B, RC-1059C, Ch.	20-3	20-6	9BX5, Ch. RC-1059B, RC-1059C	20-3	20-6
RC-1060, RC-1060A, Ch.	19-10	19-15	9BX56, Ch. RC-1068	20-7	20-10
	C20-8	---	9W51, Ch. RC-1079D	20-24	20-26
	C20-9	---	9W101, Ch. RC-618B	19-35	19-44
RC-1061, Ch.	19-26	19-29		C20-8	---
RC-1063A, Ch.	19-45	19-46		C20-10	---
	C20-10	---	Revised	20-13	---
RC-1064, Ch.	18-41	18-42	9W102, Ch. RC-618D	20-11	20-14
	18-47	18-48	9W103, Ch. RC-618B; 9W105,		
	C17-6	---	Ch. RC-618C	19-35	19-44
	C20-10	---		C20-8	---
RC-1065, RC-1065A, Ch.	18-45	18-46		C20-10	---
	C20-11	---		20-13	---
RC-1066, RC-1066A, Ch.	18-43	18-44	Revised		
	C19-6	---	9X561, Ch. RC-1079B; 9X562,		
	20-7	20-10	Ch. RC-1079C	20-15	20-16
RC-1068, Ch.			9X571, Ch. RC-1079; 9X572,		
RC-1069, RC-1069A, RC-1069B,			Ch. RC-1079A	20-17	20-18
RC-1069C, Ch.	19-1	19-4	9X641, Ch. RC-1080; 9X642,		
RC-1070, Ch.	19-30	19-34	Ch. RC-1080A	20-19	20-20
	C20-10	---	9Y7, Ch. RC-1057B	20-21	20-23
RC-1077, Ch.	20-27	20-30	9Y51, Ch. RC-1077	20-27	20-30
RC-1079, RC-1079A, Ch.	20-17	20-18	54B1, Ch. RC-589; 54B1-N,		
RC-1079B, RC-1079C, Ch.	20-15	20-16	Ch. RC-589D; 54B2, Ch. RC-589A;		
RC-1079D, Ch.	20-24	20-26	54B3, Ch. RC-589B, Second		
RC-1080, RC-1080A, Ch.	20-19	20-20	Production, Ch. RC-589U,		
RK-117, Ch.	17-44	17-55	RC-589UA, RC-589UB	15-22	15-24
	C18-9	---		C18-8	---
	C19-6	---		C18-9	---
RK-121, Ch.	17-31	17-43	54B5, Ch. RC-1047	16-28	16-30
	C18-10	---		C19-6	---
	C20-12	---	55F, Ch. RC-1004E	15-25	15-26
RK-121C, Ch.	18-25	18-40		C17-6	---
	C20-9	---	55U, Ch. RC-1017	15-16	---
RS-123, Ch.	17-31	17-55		15-24	---
	C18-9	C18-10		C17-7	---
	C19-6	---	56X, 56X2, 56X3, Ch. RC-1011,		
	C20-12	---	RC-1011A, RC-1011B	15-26	---
RS-123D, Ch.	18-25	18-40		15-31	---
	C20-9	---		C17-6	---
RS-1000, Ch.	17-27	17-28		C17-7	---
RS-1001, Ch.	20-1	20-2		C18-8	---
X60, Ch. RC-474D	16-25	16-27	56X5, Ch. RC-1023	15-32	15-34
5Q5, Ch. RC-396	11-15	11-16		C17-6	---
	C17-5	---		C17-7	---
5Q12	11-4	---	56X10, Ch. RC-1023B	15-34	15-36
	11-33	11-34		C17-6	---
	C17-6	---		C17-7	---
8B41, Ch. RC-1069; 8B42,			56X11, Ch. RC-1023A	15-37	15-39
Ch. RC-1069A; 8B43, Ch. RC-1069B;				C17-6	---
8B46, Ch. RC-1069C	19-1	19-4	59V1, Ch. RC-605	15-44	15-48
8BX5, Ch. RC-1059, RC-1059A	19-5	19-9		C17-7	---
	C20-7	---	61-1, 61-2, 61-3, Ch. RC-1011,		
	C20-10	---	RC-1011A, RC-1011B	15-49	15-50
8BX6, Ch. RC-1040C, RC-1040D	18-11	18-14		C17-6	---
	C20-8	---		C17-7	---
	C20-10	---	61-5, Ch. RC-1023	15-33	---
8BX54, 8BX55, Ch. RC-1059, RC-1059A	19-5	19-9		15-51	15-52
	C20-7	---		C17-6	---
	C20-10	---	61-6, 61-7, Ch. RC-594D	15-52	15-54
8BX65, Ch. RC-1040C, RC-1040D	18-11	18-14		C17-6	---
	C20-8	---		C17-7	---
	C20-10	---	61-8, Ch. RC-1034	16-31	16-32
8F43, Ch. RC-1037B	20-1	20-2		C17-6	---
8R71, 8R72, 8R74, 8R75, 8R76,			61-8, Ch. RC-1064	18-47	18-48
Ch. RC-1060, RC-1060A	19-10	19-15		C17-6	---
	C20-8	---	61-9, Ch. RC-1034	16-31	16-32
	C20-9	---		C17-6	---
8V7, Ch. RC-615	18-15	18-16	61-9, Ch. RC-1064	18-47	18-48
	C19-5	---		C17-6	---
8V90, Ch. RC-618, RC-618A; 8V91,			61-10, Ch. RC-1023A, RC-1023B,		
Ch. RC-616A, RC-616H	19-16	19-25	RC-1023C	15-33	---
	C20-9	---		15-51	15-52
8V112, Ch. RC-616, RC-616F	18-17	18-24		C17-6	---
	C20-9	---		C19-6	---
8V151, Ch. RK-121C, RS-123D	18-25	18-40	62-1, Ch. RC-1017A, RC-1017B	16-33	16-34
	C20-9	---		C19-7	---
8X53, Ch. RC-1064	18-41	18-42	65BR9, Ch. RC-1045	17-25	17-26
	C20-10	---	65F, Ch. RC-1004E; CV-42,		
8X71, 8X72, Ch. RC-1070	19-30	19-34	Ch. RS-1000	17-27	17-28
	C20-10	---	65U-1	15-85	15-86
8X521, 8X522, Ch. RC-1066, RC-1066A	18-43	18-44		C19-7	---
	C19-6	---			

RCA RADIO WIRE

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>RADIO CORP. OF AMERICA (Cont'd)</u>			<u>RADIO DEVELOPMENT & RESEARCH CORP. (MAGIC TONE)</u>		
65X1, 65X2, Ch. RC-1034	15-61 C17-7 C20-10	15-62 --- ---	504	Misc.17-10	---
65X8, 65X9, Ch. RC-1034	15-61 C17-7	15-62 ---	508	Misc.19-18	---
66BX, Ch. RC-1040, RC-1040A, RC-1040B	15-87 C17-7 C20-10	15-88 --- ---	900	Misc.19-18	---
66BX, Ch. RC-1040B	15-87 C17-7 C19-7	15-88 --- ---	<u>RADIO DISPLAYS CO.</u>		
66X1, 66X2, Ch. RC-1038; 66X3, 66X4, 66X7, 66X8, 66X9, Ch. RC-1038A	15-89 C18-10 17-29	15-91 --- 17-30	Beer Bottle Type	19-1	19-2
66X11, Ch. RC-1046A	17-29 C19-5	17-30 ---	B-500, C-500, P-500	Misc.18-3	---
66X11, Ch. RC-1046C	17-29 C18-10 C19-5	17-30 --- ---	<u>RADIO ENGINEERING LABS., INC.</u>		
66X12, Ch. RC-1046	17-29 C19-5	17-30 ---	646	18-1,2	18-12
66X12, Ch. RC-1046D	17-29 C18-10 C19-5	17-30 --- ---	646B	20-1	20-10
66X13, Ch. RC-1046B	17-29 C19-5	17-30 ---	647	18-1,2	18-12
66X13, Ch. RC-1046E	17-29 C18-10 C19-5	17-30 --- ---	647B	20-1	20-10
66X14, 66X15, Ch. RC-1046B	17-29 16-35	17-30 16-39	648	18-1,2	18-12
67AV1, 67V1, Ch. RC-606	16-35 C19-5 C19-7	16-39 --- ---	648B	20-1	20-10
68R1, 68R2, 68R3, 68R4, Ch. RC-608	16-39 C18-8 C20-11	16-43 --- ---	<u>RADIO KITS, INC.</u>		
75X11, Ch. RC-1050, RC-1050A	18-49 C19-7 C20-11	18-50 --- ---	B4	18-1	18-2
75X11, Ch. RC-1050B	18-49 C20-11	18-50 ---	FM-7	19-1	19-3
75X12, Ch. RC-1050, RC-1050A	18-49 C19-7 C20-11	18-50 --- ---	S5C	17-1	17-3
75X12, Ch. RC-1050B	18-49 C20-11	18-50 ---	3W10A	19-4	19-7
75X14, 75X15, 75X16, Ch. RC-1050, RC-1050A, RC-1050B	18-49 C20-11 19-45	18-50 --- 19-46	210	17-3	17-5
75ZU, Ch. RC-1063A	19-45 C20-10	19-46 ---	<u>RADIO MFG. ENGINEERS INC.</u>		
76ZX11, Ch. RC-1058, RC-1058A	18-51	18-52	VHF-152	19-1	19-10
76ZX12, Ch. RC-1058, RC-1058A	18-51 C19-7	18-52 ---	VHF-152A	17-1	17-10
77U, Ch. RC-1057A	18-53 C20-11	18-54 ---	84	18-1	18-3
77V1, Ch. RC-615	19-47	19-48		18-5	18-13
77V2, Ch. RC-606C	19-49	19-53	84A	18-2	18-11
85TB	16-44	16-47		18-14	18-15
96X5, Ch. RC-490	19-54	19-55	<u>RADIONIC EQUIPMENT CO. (CHANCELLOR)</u>		
112A	4-56 C17-8	4-58 ---	Y62W	18-1	18-2
515, Ch. RC-1000C	16-48	16-50	14B	16-1	---
610V1, Ch. RC-610C; 610V2, Ch. RC-610	19-56 C20-11	19-64 ---	35P	Misc.17-11	---
612V1, 612V3, 612V4, Ch. RK-121, RS-123	17-31 C18-10 C20-12	17-43 --- ---	240T	16-2	---
710V2, Ch. RC-613A	18-55 C19-5 C20-11	18-60 --- ---	<u>RADIO & TELEVISION INC. (BRUNSWICK)</u>		
711V1, Ch. RK-117, RS-123	17-44 C18-9	17-55 ---	D-1000, D-1100	19-1	19-7
711V2, Ch. RK-117, RS-123	17-44 C18-9	17-55 ---	D-6876	16-1	16-5
711V3, Ch. RK-117, RS-123	17-44 C19-6 C18-9	17-55 --- ---	SF-6810	16-1	16-5
<u>THE RADIO CRAFTSMEN INC.</u>			T-2200, T-2200X	19-1	19-7
6-Tube Kit	17-1	17-2	T-4000	16-1	16-5
RC-8	18-1	18-5	T-4000½	16-1	16-5
			T-4400, T-4400½	18-1	18-3
			T-5000	18-3	18-5
			T-9000	19-1	19-7
			<u>RADIO & TELEV. PRODUCTS CO. (KAROLA)</u>		
			47-601	Misc.19-19	---
			47-602	18-1	18-2
			<u>RADIO WIRE TELEVISION (LAFAYETTE)</u>		
			A-23	18-1	18-5
			A-41	18-6	18-7
			B-43	18-8	---
			B-80, See WELLS GARDNER Model 7L	8-33	---
			BB-60, BB-61	18-8	---
			BP-12	16-1	16-2
			C-29, See GAROD Model 389	11-4	---
				11-14	---
			C-36, See GAROD Model 4159	10-16	---
				10-25	10-26
			C-95	18-9	18-14
			C-104	18-15	---
			CC-24, CC-25	18-16	18-17
			CC-58A	18-18	---
			D-13	18-19	18-21
			D-45, D-46	18-22	---
			D-50, D-51, D-53, D-54	20-1	20-2
			E-76, E-77	18-23	18-25
			F-62	19-1,2	19-6
			FA-15	16-3	---
			J-4	18-26	---
			J-5	18-27	---
			J-51P	16-4	---
			J-62, J-62C	18-28	---
			JA-328	18-29	---

RADIO WIRE SEARS

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>RADIO WIRE TELEVISION (Cont'd)</u> (LAFAYETTE)			<u>REGAL ELECTRONICS CORP. (Cont'd)</u>		
JL-5	18-30	---	1749	17-4	17-7
JL-6	19-7	---	7152	18-2	---
JL-7, JL-8	19-8	---	7162	18-3	18-4
JS-1	19-9	19-10	7163	18-5	18-6
JS-2	19-11	---	7251	19-11	---
JS-115	19-12	---	<u>REMLER CO., LTD.</u>		
JS-135	19-13	---	Scottie	19-1	---
JS-135A	19-14	---	MP5-5-3	C17-8	---
JS-166, JS-167	19-15	---	5100	Misc.16-9	---
JS-172, See FADA Models P24, PL72	13-2	---		C18-11	---
JS-173	19-16	---	5300B, 5300BI, 5300I	Misc.17-13	---
JS-174	19-17	---	5310, Early	18-1	18-2
JS-176	19-18	---		18-4	---
JS-183	19-19	---	5310, Late	18-1	---
JS-184, JS-185	19-16	---		18-3	18-4
JS-186, JS-187	19-20	---	5400	18-1	---
JS-188, JS-189, JS-190	20-3	---		18-4	18-5
JS-191	20-4	---	5410	18-1	---
JS-193	20-5	---		18-5	---
JS-241, See FADA Model 177	13-9	---	5500	18-1	---
JS-242	20-6	---		18-4	18-5
JS-256	20-5	---	5505	18-1	---
JS-300	20-4	---		18-5	---
JS-310, See FADA Model 278	13-19	---	5510	18-1	---
JS-319	19-12	---		18-5	---
M-8	20-7	---	5515	18-1	---
M-19	20-8	20-9		18-5	---
M-61	20-10	---	5520	18-1	---
M-62, M-62C	20-11	---		18-4	18-5
M-70	17-1,2	17-6	5530	18-1	---
M-70A	17-6	17-11		18-4	18-5
M-71	17-1,2	17-6	5535	18-1	---
M-72, M-73	C18-8	---		18-5	---
MB-3, MB-3A	20-12	20-14	5560	18-4	18-5
MC-10	20-15	---	5565	18-4	18-5
MC-11	16-5	16-6	6000, Scottie	19-1	---
MC-16	20-16	---	7110, 7120	19-2	19-6
1-421	20-17	---	<u>REXEL MERCHANDISE CO.</u>		
1-422	20-18	---	L-266	16-1	16-2
1-427	20-19	---	L-266-A	16-3	16-4
1-524	20-20	---	L-266-U	16-5	16-6
1-542	20-17	---	<u>ROBERT-LAWRENCE ELECTRONICS CORP.</u>		
1-819	20-21	20-22	101-6T	17-1	17-2
1-1205	20-23	20-25	102-L-6T	17-3	17-5
1E-629	20-31	---	201W-6T	17-1	17-2
617, 618	20-26	---	<u>ROD RADIO MANUFACTURING CO.</u>		
619, 620	20-27	---		Misc.20-6	---
621, 622	20-28	20-29	<u>RYAN SALES CO.</u>		
651, 653	20-32	---	C5TS3	16-1	16-2
655	20-33	---	<u>THE SARGENT-RAYMENT CO.</u>		
1030TP	20-30	---	SR28FAM	Misc.20-7	---
1300	20-34	---	<u>SCOTT RADIO LABS., INC.</u>		
<u>THE RADOLEK CO.</u>			Export Receiver	18-1	18-41
35	Misc.17-12	---	Imperial, All Wave	16-1	---
<u>RAYMOND ROSEN & CO.</u>			Metropolitan	18-81,82	18-83,84
MI-13154	18-1,2	18-5	SLR-12-A	18-42	18-80
<u>REGAL ELECTRONICS CORP.</u>			16A, Metropolitan	18-81,82	18-83,84
BP-48	19-1	---	500	19-1	19-19
CR-761	19-2	19-4	800-B	C17-8	---
CR-762	20-1	20-2	800-B6	16-2	---
CR-762T	20-2	20-3	<u>SEARS, ROEBUCK & CO.</u> (SILVERTONE)		
L-43	19-5	---	100.156, Ch.	18-1	18-8
W800	16-1	---	100.184, Ch.;	20-20	20-27
	C20-11	---	Moto-Matic Tuner	20-6	20-19
W900	16-2	16-3	100.185, Ch.;	20-28	20-35
	C20-13	---	Moto-Matic Tuner	20-6	20-19
78	19-6	---	100.186, Ch.;	20-36	20-43
205	19-7	---	Moto-Matic Tuner	20-6	20-19
208	C18-11	---	101.393, Ch.	C18-11	---
700	17-1	---	101.471, Ch.	18-9	18-14
747	17-2	17-3	101.581, Ch.	11-64	---
777	18-1	---		11-80	---
800	16-1	---		11-82	---
	C20-11	---		C19-8	---
801	16-1	---	101.622-2E, Ch.	19-11	19-14
	C20-11	---			
900	16-2	16-3			
	C20-13	---			
1049	16-2	---			
	16-4	---			
1107	19-8	---			
1500	19-9	19-10			

SEARS

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	SEARS, ROEBUCK & CO. (Cont'd)			SEARS, ROEBUCK & CO. (Cont'd)	
101.662-3C, Ch.	19-11	19-14	132.807-2, Ch.	C18-11	---
101.662-4E, Ch.	19-11	19-14	132.816, 132.816A, Ch.	20-1	20-3
101.662-5F, Ch.	19-11	19-14	132.818-1, Ch.	18-52	18-53
101.666A, 101.666-1B, Ch.	19-15	19-17	132.820, Ch.	18-20	18-22
101.667B, Ch.	19-18	19-21	132.825-1, 132.825-2, 132.825-3,		
101.667-1B, Ch.	19-22	19-25	132.825-4, Ch.	19-1	19-5
101.800A, 101.800-1, Ch.	C18-11	---	132.826, 132.826-1, Ch.	19-8	19-10
101.802-1, Ch.	15-15	15-18	132.838, Ch.	17-6	17-7
	C19-8	---		17-15	---
101.802A, Ch.	15-15	15-18	132.839, Ch.	17-8	17-10
	C19-8	---	132.840, Ch.	19-26	19-28
101.807, Ch.	16-1	16-3		C20-13	---
101.807A, Ch.	16-1	16-3	132.841, Ch.	18-56	---
101.808, Ch.	16-1	16-3		18-58	18-60
	C19-8	---		C20-13	---
101.808-1C, 101.808-1D, Ch.	C18-11	---	132.841, Revised, Ch.	18-57	---
	C19-8	---	132.857, Ch.	20-63	20-64
101.809, Ch.	16-1	---	132.858, Ch.	20-65	20-66
	16-4	16-5	132.868, Ch., Revised	20-44	20-47
	16-8	---	132.871, Ch.	20-67	20-69
101.809-1A, 101.809-1B, Ch.	C18-11	---	135.242, Ch.	20-58	20-59
	16-1	---	135.243, Ch.	20-60	20-62
	16-4	16-5	135.244, Ch.	20-70	20-72
	16-8	---	139.151, Ch.	17-1	---
	C18-11	---	141.416, Ch.	18-23	18-25
	C20-13	---	141.417, Ch.	C18-11	---
101.809-2, Ch.	16-1	---	434.140, Ch.	20-4	20-5
	16-4	16-5	478.206, Ch.	20-48	20-52
	16-8	---	478.206-1, Ch.	20-53	20-57
	C18-11	---	547.245, Ch.	20-73	20-75
	C20-13	---			
101.809-3C, Ch.	16-1	---	3351, 3451, 3551, Ch. 132.802-2C,		
	16-4	16-5	132.802-2E, 132.802-2E	C18-11	---
	16-8	---	4486, Ch. 100.156	18-1	18-8
	C18-11	---	4518, Ch. 101.393	C18-11	---
	C20-13	---	4586, 4586-A, 4586-B, Ch. 100.156	18-1	18-8
101.810, Ch.	18-39	18-43	4663, 4763, Ch. 101.471	18-9	18-14
101.810-1A, Ch.	18-41	18-42	5372, 5372-B, Ch. 109.371,		
	18-44	---	109.371-1	18-15	18-19
101.810-3, Ch.	18-39	18-43	6011, Ch. 132.816; 6012,		
101.811, Ch.	16-1	---	Ch. 132.816A	20-1	20-3
	16-4	16-5	6015, 6016, Ch. 132.820	18-20	18-22
	16-8	---	6050, Ch. 132.825, 132.825-1,		
	C18-11	---	132.825-2, 132.825-3, 132.825-4	19-1	19-5
	C19-8	---	6052, Ch. 110.452; 6052A,		
101.813, Ch.	17-11	17-12	Ch. 110.452-1	19-6	19-7
	17-15	---	6071, Ch. 132.826, 132.826-1	19-8	19-10
101.814, 101.814-1A, Ch.	18-26	18-29	6106, Ch. 101.662-2E; 6106A,		
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101.814-3B, Ch.	18-29	---	Ch. 101.662-5F	19-11	19-14
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	18-35	---	6230A, Ch. 101.802-1	15-15	15-18
101.814-4C, Ch.	18-26	18-29		C19-8	---
101.814-5C, Ch.	18-29	---	6285, Ch. 101.666A, 101.666-1B	19-15	19-17
	18-31	---	6290, Ch. 101.667B	19-18	19-21
	18-33	---	6290, Ch. 101.667-1B	19-22	19-25
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	17-15	---	7020, Ch. 101.807	17-1	---
101.817-1A, 101.817-2A, Ch.	17-2	17-3	7021, Ch. 101.807A	16-1	16-3
	17-5	---	7025, Ch. 132.807-2	16-1	16-3
	C20-12	---	7046, Ch. 141.416	C18-11	---
101.819A, Ch.	18-49	18-51	7054, Ch. 101.808	18-23	18-25
101.820, Ch.	17-4	17-5		16-1	16-3
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101.821, Ch.	18-53	18-55	7056, Ch. 141.417	C18-11	---
101.822, 101.822A, Ch.	19-45	19-47	7070, Ch. 101.817	17-2	17-3
101.823, 101.823A, 101.823-1,				17-15	---
101.823-1A, Ch.	16-6	16-8	7080, Ch. 101.809; 7080A,		
101.828, 101.828-1A, Ch.	18-45	18-48	Ch. 101.809-2	16-1	---
101.829, Ch.	19-33	19-34		16-4	16-5
101.833, 101.833-1A, Ch.	19-38	19-41		16-8	---
101.834, Ch.	17-13	17-14		C18-11	---
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101.849, Ch.	19-48	19-50	7086, Ch. 110.466	18-36	18-38
101.850, Ch.	19-51	19-52	7090, Ch. 101.810, 101.810-3	18-39	18-43
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109.371, 109.371-1, Ch.	18-15	18-19		16-4	16-5
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SEARS
SILVERTONE

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>SEARS, ROEBUCK & CO. (Cont'd)</u>			<u>SEARS, ROEBUCK & CO. (Cont'd)</u>		
7105, 7106, Ch. 101.828, 101.828-1A	18-45	18-48	9101, Ch. 101.809-3C	16-1	---
7111, Ch. 434.140	20-4	20-5		16-4	16-5
7165, Ch. 101.823, 101.823-1	16-6	16-8		16-8	---
7166, Ch. 101.823A, 101.823-1A	16-6	16-8		C18-11	---
7210, Ch. 101.820	17-4	17-5		C20-13	---
	17-15	---	9260, Ch. 101.850	19-51	19-52
7216, Ch. 101.184;	20-20	20-27	9270, Ch. 547.245	20-73	20-75
Moto-Matic Tuner	20-6	20-19			
7217, Ch. 100.185;	20-28	20-35	<u>THE SEIBERLING RUBBER CO.</u>		
Moto-Matic Tuner	20-6	20-19	1A5	17-1	17-2
7218, 7222, Ch. 100.186;	20-36	20-43	9AC	17-3	17-4
Moto-Matic Tuner	20-6	20-19			
7226, Ch. 101.819A	18-49	18-51	<u>SENTINEL RADIO CORP.</u>		
7230, Ch. 101.802A	15-15	15-18	L-2841, L-284NA, L-284NI, L-284NR, L-284W	16-8	16-10
	C19-8	---	1U-248	18-4	18-6
8000, Ch. 132.838	17-6	17-7	1U-286	16-6	16-7
	17-15	---	1U-284GA	16-19	---
8003, Ch. 132.818-1	18-52	18-53		16-11	16-13
8005, Ch. 132.839	17-8	17-10	1U-285P	C18-12	---
8010, Ch. 132.840	19-26	19-28	1U-286	16-17	16-19
8011, Ch. 132.840	19-26	---	1U-293CT	17-1	17-3
	C20-13	---	1U-309-I, 1U-309-R, 1U-309-W	19-9	19-11
8020, Ch. 132.841	18-56	18-60	1U-313I, 1U-313W	19-12	19-14
	18-58	---	1U-314E, 1U-314I, 1U-314W	19-15	19-17
	C20-13	---	1U-316PM, 1U-316PT	19-21	19-23
8020, Revised, Ch. 132.841	18-57	---	1U-330-I, 1U-330-R, 1U-330-W	18-1	18-3
8021, Ch. 132.868, Revised	20-44	20-47	216J	16-1	16-2
8022, Ch. 478.206	20-48	20-52	247	16-10	---
8024, 8025, Ch. 478.206-1	20-53	20-57		18-4	18-6
8050, Ch. 101.813	17-11	17-12	248	16-4	16-5
	17-15	---	276P	16-6	16-7
8051, Ch. 101.839	19-29	19-30	284GA	16-19	---
8052, Ch. 101.808-1C	C18-11	---		16-11	16-13
	C19-8	---	285P	16-14	16-16
8053, Ch. 101.808-1D	C18-11	---	286P, 286PR	C18-11	---
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8071, Ch. 135.242	20-58	20-59	302-I, 302-T, 302-W	17-2	---
8072, Ch. 101.834	17-13	17-14	309-I, 309-N, 309-R, 309-W	17-10	---
8073, Ch. 135.243	20-60	20-62		19-9	19-11
8080, Ch. 101.852	19-31	19-32	313J, 313W	19-12	19-14
8083, 8083A, Ch. 101.809-1A;			314E, 314I, 314W	20-4	20-8
8084, 8084A, Ch. 101.809-1B	16-1	---	315-I, 315-W	19-15	19-17
	16-4	16-5	316PM, 316PT	19-18	19-20
	16-8	---	319PM, 319PT	20-9	20-11
	C18-11	---	323-K		
	C20-13	---	329-I, 329-R, 329-W, Series A, Series B	20-12	20-14
8085, Ch. 101.814-4C	18-26	18-29	330-I, 330-R, 330-W	19-21	19-23
8086, Ch. 101.814-5C	18-29	---	331-I, 331-R, 331-W	20-15	20-17
	18-31	---	332-I, 332-W	20-18	20-20
	18-33	---	333-I, 333-W	20-21	20-25
	18-35	---	510	16-20	---
8086A, 8086B, Ch. 101.814-6C	18-29	---			
	18-32	18-35	<u>SETCHELL-CARLSON, INC.</u>		
8090, Ch. 101.821	18-53	18-55	Dor-A-Fone	20-2	---
8092, Ch. 101.810-1A	18-41	18-42	408	17-1	---
	18-44	---	416	C18-11	---
8100, Ch. 101.829	19-33	19-34	427	16-1	---
8101, 8101A, 8101B, 8101C, Ch. 101.809-3C	16-1	---		C18-12	---
	16-4	16-5	437	17-2	---
	16-8	---	447	16-2	---
	C18-11	---	449	20-1	---
	C20-13	---	458RD, Dor-A-Fone	20-2	---
8102, Ch. 101.814-2B	18-29	18-30	469	20-3	---
	18-33	18-34	4182	20-4	---
8102A, Ch. 101.814-3B	18-29	---	4382	20-5	---
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	18-33	---	<u>HAROLD SHEVERS INC.</u>		
	18-35	---	(GOTHAM)		
8102B, Ch. 101.814-2B	18-29	18-30	8121	18-1	18-7
	18-33	18-34			
8103, Ch. 110.473	19-35	19-37	<u>SIGNAL ELECTRONICS, INC.</u>		
8105, 8105A, 8106, 8106A, Ch. 101.833, 101.833-1A	19-38	19-41	AF252	20-1	20-3
8230, Ch. 101.835	19-42	19-44	241	19-1	19-2
8270, 8270A, Ch. 101.822, 101.822A	19-45	19-47	341A	20-4	---
9000, Ch. 132.857	20-63	20-64	341T	Misc.16-10	---
9005, 9006, Ch. 132.858	20-65	20-66			
9022, Ch. 132.871	20-67	20-69			
9054, Ch. 101.849	19-48	19-50			
9073, Ch. 135.244	20-70	20-72			

SILVERTONE
See SEARS, ROEBUCK & CO.

STEWART TELE-TONE

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>STEWART-WARNER CORP. (Cont'd)</u>			<u>STEWART-WARNER CORP. (Cont'd)</u>		
Code 9034-CLPW; A61CR2, Code 9034-D; A61CR2LP, Code 9034-DLP; A61CR3, Code 9034-E; A61CR4, Code 9034-F; A61CR4X, Code 9034-FX; A61CR4LP, Code 9034-FLP; A61CR4LPX, Code 9034-FLPX; A61CR5, Code 9034-G; A61CR6, Code 9034-H; A61CR7, Code 9034-J; A61CR7LPW, Code 9034-JLPW; A61CR7LPWX, Code 9034-JLPWX; A61CR7X, Code 9034-JX; A61CR8, Code 9034-K; A61CR9, Code 9034-L; A61CR10, Code 9034-M; A61CR11, Code 9034-N; A61CR12, Code 9034-GR; A61CR12LP, Code 9034-GRLP; A61CR13, Code 9034-GL; A61CR13LP, Code 9034-GLLP; A61CR14, Code 9034-GM; A61CR14LP, Code 9034-GMLP; A61CR15, Code 9034-GT; A61CR15LP, Code 9034-GTLP; A61CR16, Code 9034-FH; A61CR16LP, Code 9034-FHLP; A61CR17, Code 9034-CM; A61CR17LP, Code 9034-CMLP; A61CR21, Code 9034-R	17-3 17-7 C20-14 17-6 17-9	--- 17-8 --- --- 17-10	9034-FX, 9034-G, 9034-GL, 9034-GLLP, 9034-GM, 9034-GMLP, 9034-GR, 9034-GRLP, 9034-GT, 9034-GTLP, 9034-H, 9034-J, 9034-JLPW, 9034-JLPWX, 9034-JX, 9034-K, 9034-L, 9034-M, 9034-N, 9034-P, 9034-R, Codes	17-3 17-7 C20-14 18-1,2 20-7 20-11 19-8 19-8 9044-A, 9044-B, 9044-C, 9044-D, Codes 20-1 20-5 20-3 20-15	--- 17-8 --- 18-6 20-10 20-14 19-14 19-14 20-2 20-6 20-4 20-18
A61P1, A61P2, A61P3	17-6 17-9	--- 17-10	9038-B, Code 9041-A 9042-A 9043A, 9043B, 9043C, 9043D, Ch. 9043K, 9043L, 9043M Ch. 9044-A, 9044-B, 9044-C, 9044-D, Codes 9045-A, 9045-B, Codes 9046-A, 9046-B, Codes 9050-A	18-1,2 20-7 20-11 19-8 19-8 20-1 20-5 20-3 20-15	18-6 20-10 20-14 19-14 19-14 20-2 20-6 20-4 20-18
A72T1, Ch. 9026A; A72T2, Ch. 9026B; A72T3, Ch. 9026C; A72T4, Ch. 9026D	19-1	19-7	<u>STROMBERG-CARLSON CO.</u>		
A92CR3, A92CR6	17-11,12	17-21	1105 1110 1135	16-1 16-4 16-8 16-16 16-11,12 18-1	16-3 16-7 16-9,10 16-19 16-15 18-3
B51T1, Code 9044-A; B51T2, Code 9044-B; B51T3, Code 9044-C; B51T4, Code 9044-D	20-1	20-2	1135A 1200, 1202 1204HB, 1204HI, 1204HME, 1204HMG, Ch. 112021	16-11,12 18-4 C19-8	16-19 16-15 18-3
B61T1, Code 9046-A; B61T2, Code 9046-B	20-3	20-4	1210M2-M, 1210M2-W, 1210M2-Y, 1210PG-M, 1210PG-W, 1210PL-M, Series 10-11	17-1,2 C19-8 C18-12 18-1 C19-8 19-1,2 19-5 17-1 C19-8	17-7 --- --- 18-3 --- 19-4 19-11,12 17-7 ---
B-72CR1, Code 9038-B B92CR1, Ch. 9043A; B92CR2, Ch. 9043B; B92CR3, Ch. 9043C; B92CR4, Ch. 9043D	18-1,2	18-6	1235 1400, 1400 Special	1406PLA, 1406PLM 1407PFM, 1407PLM 1408M6A, 1408PLM	19-5 17-1 C19-8
B92CR8, Ch. 9043K; B92CR9, Ch. 9043L; B92CR10, Ch. 9043M	19-8	19-14	1409M-2W, 1409M2-M, 1409M2-Y, 1409M3A, 1409M3M, 1409PGM, 1409PGW	19-5 18-4 C19-8	19-11,12 18-6 ---
C51T1, Code 9045-A; C51T2, Code 9045-B	20-5	20-6	112021, Ch.	18-4 C19-8	18-6 ---
R-3271, R-3271C R-3291, R-3291C	18-7 18-9	18-8 18-10	<u>STUDEBAKER</u> See PHILCO CORP.		
51T126, 51T136, 51T146, 51T176, Codes 9018-B, 9018-C, 9018-F, 9018-H	18-15 15-7 C20-14	18-16 15-8 ---	<u>SYMPHONY RADIO & TELEV. CORP.</u>		
61T, Code 9022T	15-7 C20-14	15-8 ---	Biltmore 200, 200L-R 250 255 260 348	18-1 18-3 19-1 19-2 18-4 18-5	18-2 --- --- --- --- 18-6
61T1R, Code 9022A; 61T16W, Code 9022AW; 61T26, Code 9022B	15-7 C20-14	15-8 ---	<u>TAFFET RADIO & TELEV. CO.</u>		
61TR36, Code 9029-B 61TR46, Code 9029-H 61TR56, Code 9029-J 61TR66, Code 9029-K 61TR76, Code 9029-L	C18-12 C18-12 C18-12 C18-12 C18-12	--- --- --- --- ---	A-46 Series C47, D47, E47, Series TP41 653	Misc.19-20 Misc.18-15 Misc.18-15 20-1	--- --- --- 20-2
3341, 3341-R Late, 3371 9010A 9013-A 9017-A, 9017-B 9018-B, 9018-C, 9018-F, 9018-H, Codes	18-11 16-1,2 16-8 C17-8	18-14 16-8 16-12 ---	<u>TELECHIRON, INC.</u>		
9020A, 9020B, 9020C 9020D, Codes	18-15 17-4 C20-13	18-16 17-6 ---	Musalarm 8H59, Musalarm 8H67	16-1 16-1 18-1	16-4 16-4 18-4
9022A, 9022AW, 9022B, 9022T, Codes	15-7 C20-14	15-8 ---	<u>TELECOIN CORP.</u>		
9026A, 9026B, 9026C, 9026D, Ch. 9029-B, 9029-H, 9029-J, 9029-K, 9029-L, Codes	19-1 C18-12 17-1 C20-13	19-7 --- 17-3 ---	<u>TELE-TONE RADIO CORP.</u>		
9032A, Code	17-1 C20-13	---	M5TS4	16-1	16-2
9034-C, 9034-CLPW, 9034-CM, 9034-CMLP, 9034-D; 9034-DLP, 9034-E, 9034-F, 9034-FH, 9034-FHLP, 9034-FLP, 9034-FLPX.	15-7 C20-14 19-1 C18-12 17-1 C20-13	15-8 --- 19-7 --- 17-3 ---	Dynamite Series H Series N A, Ch. AA, AB, Ch. AD, Ch. AE, Ch. AG, Ch. AH, Ch. AM, Ch.	Misc.16-11 Misc.16-11 Misc.16-11 15-2 C20-15 18-3 18-1 18-5 18-6 Misc.19-21 18-9	--- --- --- --- --- 18-2 --- --- --- ---

(Continued on next line)

TELE-TONE U. MOTORS

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AZ, Ch.	18-10	---
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D, Ch.	15-4	---
	C20-15	---
H, Ch.	C18-13	---
R, Ch.	17-1	17-2
S, Ch.	18-1	---
T, Ch.	17-2	17-3
	C18-13	---
U, Ch.	17-4	---
	C20-15	---
W, Ch.	17-2	17-3
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Y, Ch.	18-4	---
110, Ch. D	15-4	---
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119, Ch. D	15-4	---
	C20-15	---
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124, Ch. D	15-4	---
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125, Ch. A	15-2	---
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126, Ch. D	15-4	---
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127, Ch. A	15-2	---
	C20-15	---
131, Ch. A	15-2	---
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132, Ch. D	15-4	---
	C20-15	---
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135, Dynamite, Series H	Misc.16-11	---
138, Series N	Misc.16-11	---
139, 140, 141, Ch. H	C18-13	---
145, Ch. R	17-1	17-2
148, Ch. S	18-1	---
149, Ch. H	C18-13	---
150, Ch. T	17-2	17-3
152, Ch. R	17-1	17-2
152, Ch. W	17-2	17-3
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157, Ch. H	C18-13	---
158, Ch. AT	18-7, 8	---
159, Early, Late, Ch. AA, AB	18-3	---
160, Ch. Y	18-4	---
161, Ch. T	17-2	17-3
	C18-13	---
163, Ch. H	C18-13	---
164, Ch. H	C18-13	---
165 Early, Ch. AD	18-1	18-2
165 Late, Ch. AG	18-6	---
166 Early, Ch. AE	18-5	---
166 Late, Ch. AN	18-6	---
167, Ch. T	17-2	17-3
	C18-13	---
168, Ch. T	17-2	17-3
	C18-13	---
171, Ch. T	17-2	17-3
	C18-13	---
172, Ch. U	17-4	---
	C20-15	---
173, Ch. W	17-2	17-3
	C20-15	---
174, Ch. T	17-2	17-3
	C18-13	---
175, Ch. AG	18-6	---
176, Ch. U	17-4	---
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177, Ch. W	17-2	17-3
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184, Ch. AM	18-9	---
185, Ch. AH	Misc.19-21	---
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See TEMPLETONE RADIO MFG. CORP.
TEMPLETONE RADIO MFG. CORP.
 (TEMPLE)

G-410	18-1	---
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G-516	19-1	---
G-521	18-6	18-7
G-522	18-8	18-9
G-612	17-2	---
G-615, G-618	19-2	19-3
G-722, G-723	19-4	19-6
G-724	18-10	18-12
G-725	17-3	17-6
G-1430	19-7, 8	19-10
G-5100, G-5101	18-4	18-5
H-127	17-3	17-6
H-411	19-11	---
H-415	18-2	18-3
H-501	19-12	19-13
H-521	19-14	---
H-622	19-15	19-16

TOM THUMB
 See AUTOMATIC RADIO MFG. CO., INC.

TRADIO, INC.

L5	17-1	17-2
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TF6	Misc.18-16	---
T-U6-1	17-6	17-10

TRANSVISION INC.

7-Inch Kit	16-1, 2	16-4
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TRAV-LEH RADIO CORP.

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5019	16-2	---
5021	18-1	---
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5027	17-2	17-3
5028	17-3	17-4
5030, 5031	16-3	---
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5044	20-1	---
5049	18-6	---
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5051	17-6	---
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5054	19-1	---
5055	17-8	---
5056	19-2	---
5066	19-3	---
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6050, 6053	20-2	20-3

TRUETONE
 See WESTERN AUTO SUPPLY CO.

UNITED MOTORS SERVICE
 (DELCO)

Auto Permiability Tuner	20-1	20-7
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	C20-15	---
Electro Tuner	18-1	18-5
R-1226	18-6	18-7
R-1227, R-1228, R-1229	16-1	16-2
R-1230, R-1230A, R-1231,		
R-1231A, R-1232	17-7	17-11
R-1233	18-8	18-10
R-1236	20-8	20-12
R-1238	19-1	19-4
R-1241	19-5	19-8
R-1242	19-9	19-12
R-1243	19-13	19-16
R-1244, R-1245, R-1246	19-17	19-20
R-1248, R-1249, R-1250	20-13	20-19
R-1251, R-1252, X	17-12	17-27, 28
	17-31, 32	---
R1251, R1252, XX, XXX	17-12	---
	17-15, 16	---
	17-21	17-31, 32
R-1253, R-1254	18-11, 12	18-19
R-1408, R-1409	16-3	16-4
R-1410	19-21	19-24
508	19-25	19-28
608	19-29	19-33

**U. MOTORS
WESTERN**

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>UNITED MOTORS SERVICE (Cont'd)</u>			<u>WATTERSON RADIO MFG. CORP. (Cont'd)</u>		
808	20-20	20-24	4582	C17-9	---
980690 Revised;			4725	Misc. 17-15	---
980733, Buick	16-5	16-7	4782	16-1	---
980782, Buick	19-34	19-38	4790	16-2	---
980797, 980798, Buick	18-20	18-21	4800	19-1	19-2
980851, Buick	20-25	20-26	4801	18-2	---
980868, Buick	20-26	20-31	4802	19-2	---
982399, Oldsmobile	16-8	16-10			
982375, Oldsmobile,			<u>WELLS-GARDNER & CO.</u>		
Above Serial 700C001	20-32	20-35	(ARCADIA)		
982400, Oldsmobile	18-22	18-27	35A86-750	17-1	17-4
982420, Early, Late,			436A76-670	17-5	17-8
Oldsmobile	19-39	19-43			
982420, Oldsmobile,			<u>WESTERN AIR PATROL</u>		
Serial B59-40001 and up	20-36	20-41	W-411, Ch.	18-1	---
982421, Oldsmobile	19-44	19-49	W-835, Ch.	17-1	17-2
	C20-15	---	W-958, Ch.	18-2	---
982454, Oldsmobile	19-50	19-54	185AW, Ch. W-411	18-1	---
982455, Oldsmobile	19-55	19-59	258, Ch. W-958	18-2	---
984170, Pontiac	16-11	16-12	587, Ch. W-835	17-1	17-2
984172, Pontiac	17-33	17-35			
984247, Pontiac	18-28	18-30			
984248, Pontiac	18-31	18-35			
984249, Pontiac	19-65	19-70			
984273, Pontiac	19-71	19-73			
984296, Pontiac	19-60	19-64			
984570, Pontiac	20-42	20-47			
986146, Chevrolet,			<u>WESTERN AUTO SUPPLY CO.</u>		
Serial B47-1001 and up	19-74	19-75	(TRUETONE)		
986240, Chevrolet	20-48	20-58	D696	C18-13	---
986241, Chevrolet	18-42	18-46	D1118B	C18-13	---
2233029, GMC	18-36	18-41	D1180B	C17-8	---
7256609, Cadillac	18-47	18-51	D1612	18-1	18-2
7258155, Cadillac	19-76	19-80	D1644	17-1	17-2
			D1645, Issue C	C17-8	---
<u>U. S. TELEVISION MFG. CO.</u>			D1747, D1748	17-3	17-7
5-16M	16-1	16-2	D1752	18-3	18-9
5-36MPA	16-1	16-2	D1835A	18-10	18-11
5-66 Series	20-1	---	D1835B	19-1	19-3
8-16	Misc. 19-22	---	D1836A, D1836B, D1836C	18-12	18-21
8-16X	20-2	---	D1840	19-4	19-6
526	20-3	---	D1845A, D1845B	18-22	18-25
2001	20-4	---	D1850	19-7	19-11
			D1946	19-12	19-15
<u>VIEWTONE TELEVISION & RADIO CORP.</u>			D1949	20-1	20-5
VP100, VP100A, VP101A	16-1,2	16-4	D1950	19-16	19-20
			D1952	20-6	20-12
<u>V-LECTRICAL ENGINEERING CO.</u>			D2014	20-13	20-17
Z463, Z464P	Misc. 17-15	---	D2025A	20-18	20-22
			D2616	16-1	16-3
<u>WALGREEN CO.</u>			D2619	16-3	16-5
(AETNA)			D2621	17-8	17-9
407, 3 Way Portable	18-1	---	D2622	18-26	18-27
407, 4 Tube Portable	18-2	---	D2623	17-10	17-11
418	18-2	---	D2624, Early	16-6	---
505	17-1	17-2		16-8	16-10
				16-7	16-10
<u>WARWICK MFG. CO.</u>			D2624, Late	18-28	---
(CLARION)			D2630	16-6	---
C110	16-1	---		16-8	16-10
X132, YX132, Series	19-1	---		16-8	16-10
147 Series	19-2	---	D2634	18-29	18-30
149 Series	19-3	19-7	D2640	18-31	---
150 Series	19-8	19-12	D2642	17-12	17-13
155 Series	19-13	19-17	D2644	16-10	16-11
11011	17-1	17-2	D2645	16-12	16-14
11305	16-2	---	D2661	17-14	17-15
11411-N	17-3	17-4	D2663	18-32	18-33
11801	17-5	17-6	D2665	18-34	18-36
11802V-M	17-7	17-8	D2690, 1st Type	19-21	---
11901	19-18	19-19	D2690, 2nd Type	19-22	---
12001	19-20	19-21	D2691	17-16	17-19
12110	19-22	19-26	D2692	19-23	---
12310W, 12312M	17-9	17-12	D2693A	18-37	---
12708	18-1	18-2	D2693B	18-38	---
12801	17-13	17-14	D2709	18-39	18-40
13101	19-27	19-31	D2710	18-41	18-42
13915	19-32	19-37	D2718, D2718A	17-20	17-23
14515	19-38	19-43	D2718B	19-24	19-26
			D2743	18-43	18-44
<u>WATTERSON RADIO MFG. CORP.</u>			D2745	17-24	17-26
Also See J.W. DAVIS & CO.			D2748	19-27	19-29
RC-4581	15-1	---	D2762	18-45	18-46
	C20-15	---	D2806, D2807	19-30	---
420, 424, 425, 440	18-1	---	D2810	18-47	18-48
			D2815	18-49	18-50
			D2819A, D2819B, D2819C,		
			D2819D, D2819E	19-31	19-41
			D2851	19-42	19-44
			D2906, D2907	19-45	---
			D2910	19-46	19-47
			D2919	20-23	20-28
			D2923	19-48	19-50

WESTERN ZENITH

MODEL	FROM	THROUGH
<u>WESTERN AUTO SUPPLY CO. (Cont'd)</u>		
D3615	20-29	20-31
D3619	19-51	19-53
D3630, D3630N	19-54	19-55
D3635	19-56	19-58
D3720	17-27	17-29
D3721	17-30	17-32
D3722	19-59	19-60
D3809	20-32	20-34
D3810	18-51	18-53
D3811	20-35	20-37
D3840	20-38	20-40
D3910	20-41	20-43
D4620	20-48	20-53
D4630A, D4630B, D4630C, D4630D, D4630E, D4630F	18-54	18-68
D4818	20-44	20-47
D4832A, D4832B	18-69	18-72
	C20-15	---
D4842A, D4842B	20-54	20-57
<u>WESTINGHOUSE ELECTRIC CORP.</u>		
H-104, H-104A	C17-9	---
H-104B, Ch. V-2102-3	17-1	17-4
H-104B, Ch. V-2102-5	17-4	17-8
H-105, H-105A	C17-9	---
H-105B, Ch. V-2102-3	17-1	17-4
H-105B, Ch. V-2102-5	17-4	17-8
H-107, H-107A	C17-9	---
H-107B, Ch. V-2102-3	17-1	17-4
H-107B, Ch. V-2102-5	17-4	17-8
H-108, H-108A	C17-9	---
H-108B, Ch. V-2102-3	17-1	17-4
H-108B, Ch. V-2102-5	17-4	17-8
H-110, Ch. V-2102-1	C18-13	---
H-110A, Ch. V-2102-2	C18-13	---
H-110B, Ch. V-2102-3	17-1	17-4
H-110B, Ch. V-2102-5	17-4	17-8
H-111, Ch. V-2102-1	C18-13	---
H-111A, Ch. V-2102-2	C18-13	---
H-111B, Ch. V-2102-3	17-1	17-4
H-111B, Ch. V-2102-5	17-4	17-8
H-113, H-114, H-116, H-117, H-119	16-1, 2	16-7
H-122	15-5	15-7
	C17-9	---
H-124	15-8	15-10
	C19-8	---
H-125, H-126, H-127	15-8	15-10
	C20-15	---
H-130	15-5	15-7
	C17-9	---
H-133	16-8	---
	16-10	---
H-137, Ch. V-2102-1	C18-13	---
H-137A, Ch. V-2102-2	C18-13	---
H-137B, Ch. V-2102-3	17-1	17-4
H-137B, Ch. V-2102-5	17-4	17-8
H-138, Ch. V-2102-1	C18-13	---
H-138A, Ch. V-2102-2	C18-13	---
H-138B, Ch. V-2102-3	17-1	17-4
H-138B, Ch. V-2102-5	17-4	17-8
H-142	18-1	18-5
H-148	16-9	16-10
H-153, H-155, H-156	15-5	15-7
	C19-9	---
H-157	17-9	17-11
H-161, Ch. V-2118	18-6	18-11
H-163	18-1	18-5
H-164	18-12	18-19
	C19-9	---
	C20-15	---
H-165	17-12	17-14
	C19-9	---
H-166, H-166A, H-167	18-12	18-19
	C19-9	---
	C20-15	---
H-168, H-168A, H-168B, Ch. V-2118	18-6	18-11
H-169	19-1	19-11
H-171, H-171A, H-171C	15-5	15-7
	C19-9	---
H-172, H-175	18-1	18-5
H-178	19-12	19-14
H-182	18-20	18-22
H-183, H-183A	19-15	19-17
	C20-15	---

MODEL	FROM	THROUGH
<u>WESTINGHOUSE ELECTRIC CORP. (Cont'd)</u>		
H-184	15-5	15-7
	C19-9	---
H-185	18-23	18-25
	C19-9	---
H-186, H-187	18-26	18-30
	C19-8	---
	C20-15	---
H-188, Ch. V-2133	19-18	19-19
	C20-16	---
H-190, H-191, H-191A, Ch. V-2134	19-20	19-23
	C20-16	---
	18-23	18-25
H-195	C19-9	---
H-198, Ch. V-2137-2	20-1	20-4
H-199, Ch. V-2137-1	20-5	20-8
H-202, Ch. V-2128-2	19-24	19-28
	C20-16	---
H-203, Ch. V-2137	19-29	19-32
H-204, Ch. V-2128-2; H-204A, Ch. V-2128-4	19-24	19-28
	C20-16	---
H-210, H-211, Ch. V-2144, V-2144-1	19-33	19-35
	C20-16	---
H-212, Ch. V-2137	19-29	19-32
H-214, H-214A, Ch. V-2103-3	20-9	20-11
H-300T5, H-301T5, Ch. V-2148	20-15	20-17
H-302P5, Ch. V-2151-1	20-18	20-20
H-303P4, H-304P4, Ch. V-2153	20-12	20-14
V-2102-1, V-2102-2, Ch.	C18-13	---
V-2102-3, Ch.	17-1	17-4
V-2102-5, Ch.	17-4	17-8
V-2103-3, Ch.	20-9	20-11
V-2118, Ch.	18-6	18-11
V-2128-2, V-2128-4, Ch.	19-24	19-28
	C20-16	---
V-2133, Ch.	19-18	19-19
	C20-16	---
V-2134, Ch.	19-20	19-23
	C20-16	---
V-2137, Ch.	19-29	19-32
V-2137-1, Ch.	20-5	20-8
V-2137-2, Ch.	20-1	20-4
V-2144, V-2144-1, Ch.	19-33	19-35
	C20-16	---
V-2148, Ch.	20-15	20-17
V-2151-1, Ch.	20-18	20-20
V-2153, Ch.	20-12	20-14
WR-478	17-15	17-16
<u>WILCOX-GAY CORP.</u>		
6A10, 6A20	17-1	---
6B10, 6B20, 6B30, 6B40, 6B42	15-4	---
	C19-10	---
6B45B, 6B45M, 6B45W	17-2	---
7D42, 7D44	19-1, 2	---
7E40, 7E44	19-3, 4	19-7
8J10	18-1	18-2
	C19-9	C19-10
<u>WILLY'S</u> See ZENITH RADIO CORP.		
<u>WOOLAROC</u> See PHILLIPS PETROLEUM CO.		
<u>ZENITH RADIO CORP.</u>		
Auto Permiability Tuner	20-1	20-11
DB47, Hudson	18-11	18-12
DB-48, Hudson	20-24	20-31
G500, Ch. 5G40	20-12	20-14
G510, Ch. 5G02	20-15	20-16
G511, Ch. 5G01	20-17	20-18
G615, Ch. 6G05	20-19	20-20
G660, G663, G665, Ch. 6G01	20-90	20-92
4C54, Ch.	16-1	16-3
4E41, Ch.	17-1	17-2
	C20-17	---
4F40, Ch.	20-21	20-23
4G800, Ch. 4E41	17-1	17-2
	C20-17	---
4G903, Ch. 4F40	20-21	20-23
4K040, 4K040G, Ch. 4C54	16-1	16-3
5C01, 5C02, 5C04, Ch.	15-8	15-9
	C17-10	---
	C20-16	---

ZENITH AERO-METAL

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
	<u>ZENITH RADIO CORP. (Cont'd)</u>			<u>ZENITH RADIO CORP. (Cont'd)</u>	
5C40, 5C40Z, Ch.	16-4	---	6MN988, Nash	20-32	20-38
	16-6	---	6MW083, Ch. 6C83, Willy's	16-16	16-19
5C40ZZ, Ch.	16-5	16-6	6R087Z, Ch. 6C22Z	17-12	---
5C50, Ch.	17-5	17-6		17-14	17-15
5C51, Ch.	17-3	17-4	6R087ZZ, Ch. 6C22ZZ	17-13	17-15
5C80, Ch., Crosley	16-7	16-9	6R880, Ch. 6E03	18-16	18-18
5D0 Series,			6R886, Ch. 6E02	17-16	17-17
Ch. 5C01, 5C02, 5C04	15-8	15-9		18-19	18-20
	C17-10	---		C19-10	---
	C20-16	---	6R886Z, Ch. 6E02Z	17-16	17-17
5D810, Ch. 5E02	18-1	18-2		C20-18	---
5D811, Ch. 5F01	18-3	18-4	6S624BT, Ch. 6B16BT	19-3	19-4
5E02, Ch.	18-1	18-2	6S624CT, Ch. 6B16CT	19-3	19-4
5F01, Ch.	18-3	18-4	6S643AT, Ch. 6B16AT	19-3	19-4
5G01, Ch.	20-17	20-18	6S643BT, Ch. 6B16BT	19-3	19-4
5G02, Ch.	20-15	20-16	6S643CT, Ch. 6B16CT	19-3	19-4
5G003, Ch. 5C40;			6S659AT, Ch. 6B16AT	19-3	19-4
5G003Z, Ch. 5C40Z	16-4	---	6S659BT, Ch. 6B16BT	19-3	19-4
	16-6	---	7E01, Ch.	19-5, 6	19-12
	16-5	16-6	7E02, Ch.	18-21, 22	18-25
5G003ZZ, Ch. 5C40ZZ	17-3	17-4	7E22, Ch.	18-33, 34	18-36
5G036, Ch. 5C51	20-12	20-14		C19-10	---
5G40, Ch.	17-5	17-6	7F01, Ch.	20-43	20-46
5K037, Ch. 5C50	16-7	16-9	7F02, Ch.	20-55	20-58
5MX080, Ch. 5C80, Crosley			7F03, Ch.	20-39	20-42
5R0 Series,			7F04, Ch.	20-47	20-50
Ch. 5C01, 5C02, 5C04	15-8	15-9	7F04Z, Ch.	20-51	20-54
	C17-10	---	7H820, Ch. 7E01	19-5, 6	19-12
	C20-16	---	7H822, Ch. 7E02	18-21, 22	18-25
6B16AT, 6B16BT, 6B16CT, Ch.	19-3	19-4	7H918, Ch. 7F03	20-39	20-42
6C01, Ch.	15-26	---	7H920, Ch. 7F01	20-43	20-46
	C20-18	---	7H921, Ch. 7F04	20-47	20-50
6C05, Ch.	15-2	---	7H921Z, Ch. 7F04Z	20-51	20-54
	15-28	15-29	7H922, Ch. 7F02	20-55	20-58
	C20-16	---	7ML780, Lincoln	18-26	18-28
6C06, Ch.	18-29	18-31, 32	7ML780E, Lincoln	19-13	19-25
6C22Z, Ch.	17-12	---	7ML781, Lincoln-Continental	18-26	18-28
	17-14	17-15	7R070, Ch. 6C06	18-29	18-31, 32
6C22ZZ, Ch.	17-13	17-15	7R887, Ch. 7E22	18-33, 34	18-36
6C40, Ch.	15-30	15-31		C19-10	---
	C17-8	---	8B03, Ch., Lincoln-Zephyr	16-20	16-24
	C20-18	---	8C01, Ch.	15-71	15-74
6C41, Ch.	16-10	16-12		C17-10	---
6C50, Ch.	16-13	16-15		C20-17	---
6C83, Ch., Willy's	16-16	16-19	8C40, Ch.	15-63	15-70
6D0 Series	15-2	---		C20-18	---
	15-26	---	8E20, Ch.	19-16	19-21
	15-28	15-29	8E82, Ch., Lincoln	20-74	20-81
	C17-10	---	8E90, Ch., Lincoln-Mercury	20-82	20-89
	C20-16	---	8G005, 8G005YX, Ch. 8C40	15-63	15-70
	C20-18	---		C20-18	---
6D815, Ch. 6E05	18-5	18-6	8H023, 8H034, Ch. 8C01	15-71	15-74
6E02, Ch.	17-16	17-17		C17-10	---
	18-19	18-20		C20-17	---
	C19-10	---	8H832, Ch. 8E20	19-16	19-21
6E02Z, Ch.	17-16	17-17	8H861, Ch. 8E20	19-16	19-21
	C20-18	---	8MF880, Ford	20-59	20-66
6E03, Ch.	18-16	18-18	8MF881, Ford	20-67	20-73
6E05, Ch.	18-5	18-6	8MF980, Ford	20-59	20-66
6E40, Ch.	18-7, 8	18-10	8ML692, Ch. 8B03, Lincoln-Zephyr	16-20	16-24
	C20-17	---	8ML882, 8ML882Z, Ch. 8E82,		
6E89, Ch.	20-24	20-31	Lincoln	20-74	20-81
6G01, Ch.	20-90	20-92	8ML982, 8ML982Z, Ch. 8E82,		
6G001, 6G001YX, Ch. 6C40	15-30	15-31	Lincoln	20-74	20-81
	C17-8	---	8MM890, Ch. 8E90, Lincoln-Mercury	20-82	20-89
	C20-18	---	8MM990, Ch. 8E90, Lincoln-Mercury	20-82	20-89
6G004Y, Ch. 6C41	16-10	16-12	9E21, Ch.	19-22	19-29, 30
6G05, Ch.	20-19	19-20		C20-18	---
6G038, Ch. 6C50	16-13	16-15	9F22, Ch.	19-31, 32	19-35
6G801, Ch. 6E40	18-7, 8	18-10	9H881, 9H882R, 9H885, 9H888R,		
	C20-17	---	Ch. 9E21	19-22	19-29, 30
6MF780, Ford	17-7	17-9		C20-18	---
6MH089, DB47, Hudson	18-11	18-12	9H984, 9H984LP, Ch. 9F22	19-31, 32	19-35
6MH889, Ch. 6E89, DB-48,			11C21Z, Ch.	C18-13	---
Hudson	20-24	20-31	12H090, 12H091, 12H092,		
6MN088, 6MN788, Nash	17-10	17-11	12H093, 12H094, Ch. 11C21Z	C18-13	---
6MN788E, Nash	19-1	19-2	13D22, Ch.	19-36	19-46
6MN790, Mercury	18-13	18-15	14H789, Ch. 13D22	19-36	19-46

RECORD CHANGERS

<u>ADMIRAL CORP.</u>			<u>ADMIRAL CORP. (Cont'd)</u>		
RC-161	RCD.CH. 17-1	RCD.CH. 17-6	RC-210, RC-211, RC-212	RCD.CH. 20-1	RCD.CH. 20-8
RC-161A	RCD.CH. 17-7	---	RC-221, RC-222	RCD.CH. 20-9	RCD.CH. 20-20
RC-170, RC-170A	RCD.CH. 16-1	RCD.CH. 16-7	RC-400	RCD.CH. 20-21	RCD.CH. 20-29
RC-180, RC-181	RCD.CH. 18-1	RCD.CH. 18-9			
RC-182	RCD.CH. 18-10	RCD.CH. 18-12			
RC-195, RC-196, RRC-197	RCD.CH. 20-1	RCD.CH. 20-8			
RC-200	RCD.CH. 17-8	RCD.CH. 17-13			
			AERO-METAL PRODUCTS		
				RCD.CH. 16-1	RCD.CH. 16-4

CAPEHART WIRERECORDER

MODEL	FROM	THROUGH	MODEL	FROM	THROUGH
<u>CAPEHART-FARNSWORTH CORP.</u> Also See <u>FARNSWORTH TELEV. & RADIO CORP.</u>			<u>PHILCO CORP. (Cont'd)</u>		
P-43	RCD. CH. 20-1	RCD. CH. 20-15	M-12C	RCD. CH. 19-55	RCD. CH. 19-74
P-77	RCD. CH. 20-16	RCD. CH. 20-19	M-15	RCD. CH. 19-75	RCD. CH. 19-82
P-777	RCD. CH. 20-16	RCD. CH. 20-24	M-20	RCD. CH. 20-1	RCD. CH. 20-16
41-E2	RCD. CH. 20-5	RCD. CH. 20-32	<u>RADIO CORP. OF AMERICA</u>		
<u>CRESCENT INDUSTRIES, INC.</u>			RP-168, Series	RCD. CH. 19-1	RCD. CH. 19-8
C-200	RCD. CH. 17-1	RCD. CH. 17-6	RP-176	RCD. CH. 17-1	RCD. CH. 17-12
C-250	RCD. CH. 18-1	RCD. CH. 18-6		C20-7	---
<u>EMERSON RADIO & PHONOGRAPH CORP.</u>			RP-177, RP-177A, RP-177B	RCD. CH. 18-1	RCD. CH. 18-13
819003	RCD. CH. 17-1	RCD. CH. 17-4		C20-8	---
<u>FARNSWORTH TELEV. & RADIO CORP.</u> (CAPEHART)			RP-178, RP-178-2, RP-178-3	RCD. CH. 18-14	RCD. CH. 18-23
P51	RCD. CH. 17-1	RCD. CH. 17-6		C20-7	---
	C17-2	---	RS-132, Ch.	RCD. CH. 19-9	RCD. CH. 19-10
P52	C17-2	---	9EY3, Ch. HS-132	RCD. CH. 19-9	RCD. CH. 19-10
P56, P56MP	RCD. CH. 17-1	RCD. CH. 17-16	9JY	RCD. CH. 19-11	RCD. CH. 19-12
	C17-2	---	960001-1, 960001-2, 960001-3	C17-5	---
P57	C17-2	---	960001-4, 960001-5, 960001-6	C18-11	---
P62	RCD. CH. 18-10	RCD. CH. 18-24	960015	C17-5	---
P71, Capehart	RCD. CH. 19-1	RCD. CH. 19-10		C18-10	---
	C20-3	---	960276	RCD. CH. 19-13	RCD. CH. 19-22
P72, P73	RCD. CH. 18-1	RCD. CH. 18-9	<u>RUSSELL ELECTRIC CO.</u>		
	C20-3	---	C-9	RCD. CH. 17-1	RCD. CH. 17-6
16-E, Capehart	RCD. CH. 19-11	RCD. CH. 19-44	C-10, C-10M	RCD. CH. 18-1	RCD. CH. 18-3
41-E, Capehart	RCD. CH. 18-25	RCD. CH. 18-46	<u>SEARS, ROEBUCK & CO.</u>		
	C20-13	---	101.204	RCD. CH. 18-1	RCD. CH. 18-5
<u>GARRARD SALES CORP.</u>			101.206	RCD. CH. 18-6	RCD. CH. 18-9
65	RCD. CH. 19-1	RCD. CH. 19-5	101.211, 101.211-1, 101.211-2, 101.211-3, 101.211-4	RCD. CH. 19-1	RCD. CH. 19-14
70	RCD. CH. 19-6	RCD. CH. 19-9	<u>J. P. SEEBURG CORP.</u>		
<u>GENERAL ELECTRIC CO.</u>			M	RCD. CH. 17-1	RCD. CH. 17-28
P1	RCD. CH. 18-1	RCD. CH. 18-3	<u>STEWART-WARNER CORP.</u>		
P2	RCD. CH. 19-1	RCD. CH. 19-4	A-505650	RCD. CH. 18-1	RCD. CH. 18-10
P3	RCD. CH. 17-1	RCD. CH. 17-4	VM-504932, VM-504992	RCD. CH. 17-4	RCD. CH. 17-10
P4	RCD. CH. 17-5	RCD. CH. 17-9	VM-505049	RCD. CH. 17-11	RCD. CH. 17-13
	C19-1	---	VM-505339	RCD. CH. 17-14	RCD. CH. 17-19
P8	RCD. CH. 20-1	RCD. CH. 20-5	VM-506261	C18-11	---
P10	RCD. CH. 20-6	RCD. CH. 20-10	W-504138	RCD. CH. 17-1	RCD. CH. 17-3
P11	RCD. CH. 20-11	RCD. CH. 20-12	<u>TRAV-LER RADIO CORP.</u>		
<u>THE GENERAL INDUSTRIES CO.</u>			A	RCD. CH. 20-1	RCD. CH. 20-9
RC130, RC130L	RCD. CH. 17-1	RCD. CH. 17-9	<u>V-M CORP.</u>		
<u>GENERAL INSTRUMENT CORP.</u>			800	RCD. CH. 17-1	RCD. CH. 17-4
700F, 700R	RCD. CH. 19-1, 2	RCD. CH. 19-9	<u>WEBSTER CHICAGO CORP.</u>		
<u>INTERNATIONAL DETROLA CORP.</u>			70	RCD. CH. 17-1	RCD. CH. 17-9
650	RCD. CH. 17-1	RCD. CH. 17-13	133-6, 146	RCD. CH. 20-1	RCD. CH. 20-11
7000	RCD. CH. 17-14	RCD. CH. 17-15	148	RCD. CH. 18-1	RCD. CH. 18-11
<u>LEAR, INC.</u>			156	RCD. CH. 19-1	RCD. CH. 19-11
PC-206A	RCD. CH. 17-1	RCD. CH. 17-6	160, 161, 164	RCD. CH. 20-1	RCD. CH. 20-11
<u>MILWAUKEE STAMPING CO.</u>			246	RCD. CH. 20-12	RCD. CH. 20-24
11200	RCD. CH. 20-1	RCD. CH. 20-14	256, 256-1	RCD. CH. 20-25	RCD. CH. 20-37
<u>MOTOROLA INC.</u>			<u>WILCOX-GAY CORP.</u>		
B-27-RC, B-28-RC, B-29-RC, B-31-RC, B-32-RC, B-33-RC, WR6, WR7, WR8, Ch. HS-18	RCD. CH. 18-1	RCD. CH. 18-28	6B40B, 6B40M, 6B42M, 6B42W	RCD. CH. 17-1	RCD. CH. 17-6
HS-18, Ch.	RCD. CH. 18-28	---	6B45B, 6B45W	RCD. CH. 17-7	RCD. CH. 17-12
RC-30-A, RC-34, RC-35	RCD. CH. 19-1	RCD. CH. 19-10	7E40, 7E44	RCD. CH. 19-1	RCD. CH. 19-2
<u>OAK MFG. CO.</u>			<u>ZENITH RADIO CORP.</u>		
9000	RCD. CH. 20-1	RCD. CH. 20-10	S-11468	RCD. CH. 15-1	RCD. CH. 15-9
<u>PHILCO CORP.</u>				C20-16	---
D-10, D-10A	RCD. CH. 18-1	RCD. CH. 18-13	S-13200	RCD. CH. 15-1	RCD. CH. 15-8
M-4	RCD. CH. 18-14	RCD. CH. 18-31		C19-10	---
M-7	RCD. CH. 18-32	RCD. CH. 18-45	S-13675	RCD. CH. 19-1	RCD. CH. 19-17
M-8	RCD. CH. 19-1	RCD. CH. 19-17	S-14002	RCD. CH. 19-1	RCD. CH. 19-17
M-9	RCD. CH. 19-18	RCD. CH. 19-34	S-14004	RCD. CH. 18-1	RCD. CH. 18-6
M-9C	RCD. CH. 19-35	RCD. CH. 19-54	S-14006	RCD. CH. 19-1	RCD. CH. 19-17
			S-14007	RCD. CH. 18-1	RCD. CH. 18-6
			S-14008	RCD. CH. 19-1	RCD. CH. 19-17

WIRE RECORDERS

<u>MAJESTIC RADIO & TELEVISION CORP.</u>			<u>WIRERECORDER CORP.</u>		
7B04A, Ch.	WIREC. 17-1	WIREC. 17-4	A-1	WIREC. 17-1	WIREC. 17-8
7YR752, Ch. 7B04A	WIREC. 17-1	WIREC. 17-4	PA	WIREC. 17-9	WIREC. 17-14
<u>WEBSTER CHICAGO CORP.</u>					
79	WIREC. 17-1	WIREC. 17-10			

