

CLAROSTAT
VOLUME
CONTROL
Replacement
GUIDE

1936-7
Edition

CLAROSTAT Manufacturing Co., Inc.

285-287 NORTH SIXTH STREET
BROOKLYN, NEW YORK, U.S.A.
• OFFICES IN PRINCIPAL CITIES •

CLAROSTAT VOLUME CONTROL REPLACEMENT GUIDE

**1936-7
Edition**

Compiled and Published by

CLAROSTAT MANUFACTURING CO., INC.

Manufacturers of Fixed, Variable and Automatic Resistors

**285-7 North Sixth Street
BROOKLYN, N. Y.**



Precision controls for control precision



GENERAL INFORMATION

"CLAROSTAT" is the trade name used by the Clarostat Mfg. Co., Inc. on all goods manufactured or sold by the company and wherever this name appears on a product, the Clarostat Mfg. Co., Inc. standard guarantee will apply. This trade name is registered in the United States Patent Office and also in foreign countries. All Clarostat products are manufactured under our own patents allowed and pending.

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(Standard Form Adopted by Radio Manufacturers Assn., Inc.)

The Clarostat Mfg. Co., Inc. warrants each new radio product manufactured by it to be free from defective material and workmanship and agrees to remedy any such defect or to furnish a new part in exchange for any part

of any unit of its manufacture which under normal installation, use and service discloses such defect, provided the unit is delivered to us, intact, for our examination, with all transportation charges prepaid to our factory, within ninety days from the date of sale to original purchaser and provided that such examination discloses in our judgment that it is thus defective.

This warranty does not extend to any of our radio products which have been subjected to misuse, neglect, accident, incorrect wiring not our own, improper installation, or to use in violation of instructions furnished by us, nor extend to units which have been repaired or altered outside of our factory, nor to cases where the serial number thereof has been removed, defaced or changed, nor to accessories used therewith not of our own manufacture.

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Claims for any shortage, incorrect items or damage should be filed within ten days after receipt of merchandise.

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STATEMENT OF POLICY

The policy of the Clarostat Mfg. Co., Inc. is always to provide the best products at the lowest possible price. We, therefore, reserve the right to change, without notice, design, raw materials and specifications so as to furnish a better product.

TERMS OF PAYMENT

Terms are 30 days net or 2% discount for payment within ten days from date of shipment. Payable in New York Funds.

All orders are accepted subject to the approval of our credit department. Where no information is available, shipment will be made C.O.D. until credit has been established.

STOCK

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Brooklyn, N. Y., U. S. A.

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New Barks Bldg.
620 Cathcart St.
Montreal, Canada

A. M. BAEHR
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Cleveland, Ohio

S. BIALEK
205 E. 42nd St.
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6109 Oxford St.
Philadelphia, Pa.

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253 Plymouth Bldg.
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417 - 11th St. N. W.
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ROYAL SMITH
912 Commerce St.
Dallas, Texas

S. H. STOVER & CO.
704 Century Bldg.
Pittsburgh, Pa.

TRADE CONTACT CORP.
25 Huntington Ave.
Boston, Mass.

Precision controls for control precision

Just By Way Of Introduction . . .

DURING the past year or two, radio has stepped further ahead than ever before. New receiver designs . . . all-wave radio . . . high-fidelity reception . . . better loud-speakers including tweeters . . . variable-band width stages . . . iron-core r.f. and i.f. transformers . . . metal tubes . . . refinements too numerous and diversified to mention—all these innovations have provided a fresh conception of that world of radio entertainment.

But no matter what changes have been wrought, the heart of the radio set is still the *volume control*. It remains, in the final analysis, the throttle of radio reception. While the tuning control provides the choice of program, the volume control determines the desired rendition in keeping with the nature of the program, the room acoustics, and the aural tastes of the listeners.

Hence the volume control is essential to these latest radio sets. More critical operating conditions call for better volume controls than ever before. And so it is too with the millions of old sets which, after years of faithful service, are in need of reasonable repairs and replacements.

It is in order to facilitate the servicing of obsolete or wornout volume and tone controls, therefore, that this Guide has been compiled and is now placed in your hands for profitable use.

The Why and Wherefore of Volume and Tone Controls

A RADIO receiver without volume control is like a ship without its rudder. Also, the modern radio set can no more do without its tone control than the violin without its pegs for adjusting the pitch of the strings. Whether placed in r.f. or audio circuits, these controls are essential.

Too much care, therefore, cannot be given to the choice of volume and tone controls. Resistance values must closely approximate those called for by critical circuits and tubes, if the set is to be kept in proper balance. Of even greater importance is the noise factor, caused by imperfect contacts and uncertain continuity in the adjustable resistance unit; for, with the tremendous amplification of today's radio sets, the slightest defect in resistance element, adjustable contact and terminal connections is magnified to thunderous pro-

The following pages have proved no easy or quickly done job. Realizing the service man's need of a complete listing of controls called for by different makes and models of sets, CLAROSTAT has had a group of service engineers engaged for months past in the gathering, checking and arranging of the data hereinafter presented. All available service manuals and volumes on circuit designs . . . the technical data and specifications of set manufacturers . . . the files of orders received by CLAROSTAT from the majority of set manufacturers for initial volume and tone controls, have been critically studied, analyzed and compiled into a complete listing of the best choice of unit for every standard need.

Consequently, and we hope without undue boasting, we firmly believe this Guide brings you the most complete listing of carefully selected controls for your servicing activities. Manufacturing both wire-wound and composition-element controls, available in any resistance value and any taper, we can and have passed unbiased judgment on every circuit requirement as to the control best fitted for the job.

It is in this ideal combination of essential data and precisely fitted volume control unit, therefore, that you will find the satisfactory, lasting, profitable servicing of all radio sets.

Composition-Element Volume Controls

portions. As never before, the volume and tone controls must be precisely built, thoroughly factory tested, and give dependable service, despite the modest cost.

There are two broad types of volume controls (which also means tone controls, the difference being purely functional) in current use: first, the composition element or so-called carbon type; the second, the wire-wound type. Because the composition-element has the advantage of greater resistance range and flexibility in the matter of tapered values, it is in the majority today, especially when intricate resistance curves are required for those critical circuits and tubes. The wire-wound element, on the other hand, is capable of handling heavier currents with safety, even though it does not offer quite as much flexibility in the matter of tapers, nor as great resistance ranges.

Composition-Element Volume Controls

THE resistance element in this type control comprises a specially developed carbon base material precisely applied to a thin moisture-proof support. The required resistance can be accurately predetermined and controlled by varying the "mix" which is then sprayed on the support. This delicate chemical and mechanical process permits of extreme resistance tapers not feasible in winding any wire-wound element, bar none. Although the amazing flexibility of the composition element is widely appreciated, its relative newness, so far as the practical form goes, means that the surface of possibilities has hardly been scratched as yet.

Years of intensive and often disheartening research and experimentation were necessary in developing the quiet, smooth, accurate CLAROSTAT composition element of today. And even though a highly refined and altogether satisfactory product is now in production and available to the radio industry and trade, our research and engineering development has not ceased. Our laboratory is constantly working on different ideas and problems, seeking still greater perfection, while our production units are rigidly tested and checked for the maintenance of a high-grade, fully dependable and always uniform grade of controls.

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CHOICE OF MATERIALS Many problems had to be faced and solved before our control was released to the trade. The carbon composition or "mix" employed in the manufacture of our units was evolved after some five years of compounding and experimentation. Also, various metals were tried and subjected to all manner of climatic changes and varying currents in checking the degree of electrolysis or electro-chemical deterioration. We finally selected a special alloy that maintains a constant and negligible resistance value between center terminal and moving contact, as contrasted with high and uncertain resistance values that would result from the use of commonly available metals. Again, we had to provide for a biting effect between spring and contact shoe, as a means of providing a positive connection, thereby creating virtually a one-piece spring and shoe-contact assembly.

By eliminating high-resistance connections, we have provided a quiet control regardless of whether it is employed in the antenna circuit or in the audio circuit—a control capable of handling the required current and retaining its noiseless operation, and quite unaffected by temperature, humidity and climatic changes in general.

COMPOSITION-ELEMENT RATINGS

These controls are furnished in linear and tapered resistance ranges of from 1000 ohms to 5 megohms. All total resistance values are within 20% plus or minus of the specified value.

The maximum safe load dissipation for linear controls is 1 watt. Tapered units have a lower load rating, depending on the steepness of the taper curve. The steeper the curve, the lower the rating.

LINEAR AND TAPER CONTROLS

The Linear control is one whose resistance per degree of rotation is *constant* over the entire rotation. In the tapered control, contrariwise, the resistance change per degree of rotation is *variable*. Tapers are obtained by applying different carbon "mixes" to several sections of the element. CLAROSTAT units frequently have from two to five different resistance sections, all carefully blended together to provide a smooth resistance curve.

There are two general classes of tapers: right-hand and left-hand. The *right-hand taper* is one whose minimum change of resistance per degree of shaft rotation is near the R terminal (see next paragraph for terminal designations). The *left-hand taper* has its smallest change in resistance per degree of shaft rotation near the L terminal.

APPLICABLE as rheostats or potentiometers, CLAROSTAT Wire-Wound Controls are recommended for functions calling for higher wattages than are feasible with the composition-element controls.

The designations employed for the three terminals of a volume control are: *L* terminal is the one approached by the moving contact at the *extreme counter-clockwise rotation position*. The *R* terminal is the one approached by the moving contact at the *extreme clockwise rotation position*. The *C* terminal is the center one, connecting with the moving contact arm.

Standard CLAROSTAT tapers are denoted by "U", "W", "Y", and "Z", which are left-hand tapers (increasing clockwise), and "T" and "V" which are right hand tapers (increasing counter clockwise). In a broad way these tapers are employed as follows:

"U" taper—Antenna and C Bias Control for one tube.

"W" taper—Screen Grid and Phonograph Pickup Control.

"Y" taper—Audio Shunt Control (Logarithmic taper.)

"Z" taper—Audio Shunt and Tone Control.

"T" taper—Antenna and C Bias Control for two tubes.

"V" taper—C Bias rheostat.

The "Z" taper is well suited to A.V.C. and audio shunt circuits, since it has a slow take-off and gradual step-up, with only 10% of total resistance at 50% rotation of control. In controlling r.f. cathode circuit of one tube, the "V" taper is suggested, since it attains only 20% of its total resistance at 50% rotation, affording a very smooth action.

INTERNAL BIAS RESISTANCE

An internal bias resistance for controls employed in r.f. cathode circuits is included in units intended for such functions. The CLAROSTAT bias will stand up under the current required in controlling from one to three tubes. In a C-bias circuit the cathode current of three tubes may be 18 m.a. at full volume. At say one-half rotation of the volume control, however, the current, due to increased bias resistance, may drop to around 3 m.a. Generally, in the latest type of receivers, only two tubes need be controlled.

MECHANICAL DETAILS

All Series "C" or Composition-Element Controls are supplied with a $\frac{3}{8}$ inch bushing, and a 2-inch long special soft-alloy shaft milled for the push-on knob. A shim is supplied to take special push-on knobs. The ingenious CLAROSTAT Ad-A-Switch may be added to any control by simply removing the back plate and slipping on the switch member.

Wire-Wound Controls

Here again, the CLAROSTAT organization has spent years in the development of a highly refined and satisfactory mechanical and electrical design, and, aside from the routine checking of production units, further improvements are constantly sought.

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The wire-wound resistance element is housed in a molded bakelite casing, fully protected from dust and mechanical injury by a suitable rear cover plate. The wire, carefully selected for desired characteristics, is firmly wound on thin bakelite strip by precision winding machines created, developed and built by the CLAROSTAT personnel for our exclusive use. The precision of these unique winding machines may be gathered from the fact that they wind, in regular production, bare and bright wire of .0015 inch diameter at 600 turns per inch, without any two adjacent turns shorting even though the separating air space between turns is only .00016 inch. Such precision, together with the use of a special alloy contact member and an equally special winding lubricant, makes the CLAROSTAT wire-wound controls remarkably free of noise and velvety smooth in mechanical operation. Also, the effect of humidity, temperature and age upon the resistance element is negligible.

WIRE-WOUND CONTROL RATINGS

Linear resistance wire-wound controls are rated at 3 watts. "V" and "W" tapers are rated at 2 watts. "L", "N" and "U" tapers are rated at 1.5 watts. These ratings apply only to maximum resistance settings. The power dissipation for intermediate resistance settings is equal to the ratio of the resistance at that point to total resistance, multiplied by maximum power dissipation.

LINEAR AND TAPER CONTROLS

Wire - Wound Controls are available in linear and tapered resistance values, as in the case of composition elements. There are three methods followed in producing desired tapers, namely: (1) by using two or more different wires, each of suitable characteristics, and winding them uniformly for definite lengths; (2) by preforming the winding strips and winding one continuous wire; (3) by variable spacing of the winding, either on a straight form or a preformed strip. And of course there can be any combination of these three methods for the desired taper.

The same choice of tapers as mentioned previously for composition-element controls, likewise applies to wire-wound controls.

MECHANICAL DETAILS

All Series "W" Controls are supplied with a $\frac{3}{8}$ inch bushing and a 2-inch long special soft-alloy shaft milled for the standard push-on knobs, and supplied with a shim for special push-on knobs. The ingenious CLAROSTAT Ad-A-Switch may be added to any Series "W" control by removing the back plate and slipping on the switch member. The stop employed to limit the rotation of the contact arm is quite independent of that member, being securely fastened to the shaft itself.

Volume Control Replacement Suggestion

WHEN replacing defective volume and tone controls, the service man should take into consideration several important factors before attempting the job and likewise before selecting the type or make of control to be installed:

1. Consider the circuit in which the control is to function, and the total resistance to be used.
2. The maximum current the control must carry.
3. Use a control that is noiseless in operation, both mechanically and electrically.
4. All of the foregoing is taken care of by knowing the exact make and model of the radio set, and the function of the unit to be replaced, then referring to the following pages which will give you the most desirable replacement unit.
5. When replacement is for a C-bias circuit, use a fixed resistance at the clockwise end of rotation. Such fixed resistance is generally between 200 and 400 ohms. The value is not so critical, so that a resistance of about 300 ohms will be satisfactory. Those CLAROSTAT controls to be used in the C-bias circuit of any receiver are supplied with our "FX" Flexible Resistor in the carton. This resistor has a 300-ohm value, and is intended to be attached to the right-hand terminal or R (looking at the shaft end of the unit), when circuit calls for fixed bias resistor.

By using this minimum resistance outside, the control increases in rotation which in turn results in better volume control. It also helps to increase the safe load capacity, because part of the load will be dissipated in the external resistor since the area of the control will be that much increased.

6. For emergency replacements, when you simply cannot wait to order an exact duplicate or close approximation, you can make good use of the CLAROSTAT Volume Control Replacement Kits, available in the "C" (Composition-Element Type Units), and in the "W" (Wire-Wound Type Units). These two kits, each containing five general utility units, will be found to take care of the major portion of all standard sets. The stocking of these replacement kits will prove handy and profitable.
7. Meanwhile, the following pages are devoted to what we believe to be the most complete and practical compilation of volume control replacement data yet made available.

No matter what make of set you happen to be servicing for defective controls, you will find in these pages the necessary helpful data for the correct choice of replacement unit.

Please note that there are in many instances exact duplicate replacements—mechanically and electrically matched with the original con-

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trol and positively guaranteed to fit and operate without mechanical and electrical changes in the chassis—the ideal choice, of course. These controls have the proper length shafts and when necessary, have shafts milled for push-on knobs, have internal C-bias resistors, have proper switches mounted, and incorporate any other mechanical changes or additions required.

In other instances standard units closely ap-

proximating the requirements are specified, and will be found entirely satisfactory with very few changes, if any.

8. In conclusion, just be sure of the make of the set and the circuit in which the control to be replaced, is functioning. The following pages will select for you the best replacement unit for a "stay put" satisfactory, profitable service job.

Replacement Listing

MUCH of the difficulty experienced with volume and tone controls can be traced to the idea that these controls are comparatively unimportant elements in the radio receiver. This idea has led to the use of cheap, poorly made and untested units which work fairly well for a short time but then become defective and cause no end of trouble.

Clarostat volume and tone controls are the result of years of experience in the development of efficient, durable controls that take the gamble out of the control circuits. While they are inexpensive because of efficient manufacturing methods, they are designed and built to give efficient operation under all service conditions.

In the following replacement list, wherever possible, three types of controls are recommended, each type having specifications listed below.

The series "X" controls are exact duplicates, mechanically and electrically, of the original controls and are guaranteed to fit and operate without mechanical or electrical changes. These controls have the proper length shafts, and, when necessary, have shafts milled for push-on knobs, have internal "C"-bias resistors, have proper switches mounted and incorporate any other mechanical changes or additions required. Likewise, all controls whose mechanical specifications are such that the standard type "W" and "C" controls need considerable changes, such as special length of bushing, exceedingly long shafts, or other mechanical or elec-

cal changes not readily made by the servicemen, are listed as "X" controls. In such cases, no cross reference is given. In some instances, the exact mechanical specifications of the original DUAL control units are unknown. Since no cross references can therefore be given, this "X" control may require some slight adjustments. These controls will be furnished with 1½" long insulated shafts until complete specifications are available.

Series "W" and series "C" controls are standard potentiometers, having the Ad-A-Switch feature originated by Clarostat Mfg. Co. The letter "W" indicates the wire-wound control, while the letter "C" indicates a composition-element control.

Either type is available in the many resistance values and tapers as shown in the list on pages 65-67. All Series "W" and "C" controls are furnished with insulated shafts.

Wherever a "W" type control is specified and no "C" type control is specified, do not substitute, as the power rating required cannot be had in a "C" type control, and its use will cause a "burn-out."

The recommendations in the list on the following pages are intended to give the closest duplication possible of the original specifications as to total resistance and taper. Where more than one type is recommended, the choice of the control is left to the discretion of the serviceman.

Unlisted Replacements

ALTHOUGH the following listings are exceptionally complete, there may be occasional sets not covered by our compilation. This is especially true of sets made by local or small manufacturers, and not known generally in the radio trade.

Therefore, if you cannot find the desired listing, simply send us the volume control or tone control to be replaced, and we shall furnish an exact duplicate at the following cost:

For plain potentiometer type, without switch,

\$1.50; or with switch, \$2.00. For dual control, without switch, \$2.50; or with switch, \$3.00.

Furthermore, if you are the first to send us the sample control for a given set, we shall furnish the replacement free in appreciation of your engineering collaboration.

No matter what control may be needed, regardless of whether it is listed or not, we can furnish a precisely matched replacement provided we have the necessary data or sample.

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MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

A.C. DAYTON COMPANY

XL-5 Battery	W-6		PL.	V. C.	500	\$1.00
XL-10 Battery	W-6		PL.	V. C.	500	1.00
XL-30	C-54		PL.	V. C.	200,000-V	1.00
XL-50	C-54		SW.	V. C.	200,000-V	1.00
XL-60	C-54		SW.	V. C.	200,000-V	1.00
XL-61 Battery	C-54		PL.	V. C.	200,000-V	1.00
AC-63	C-50		PL.	V. C.	100,000-N	1.00
AC-65	C-50		PL.	V. C.	100,000-N	1.00
AC-66	C-50		PL.	V. C.	100,000-N	1.00
XL-70	C-54		PL.	V. C.	200,000-V	1.00
Navigator	C-29		PL.	V. C.	10,000-U	1.00

ACME APPARATUS CO.

1926 5 Tube Reflex.....	W-12	C-12	PL.	V. C.	2,000-L	\$1.00
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ACME ELECTRIC & MFG. CO.

Acme Radio Moto Midget.....	C-60		SW.	V. C.	500,000-Z	\$1.00
AC-7	C-60		PL.	V. C.	500,000-Z	1.00
SG-88	W-22		PL.	V. C.	5,000-W	1.00
AC-98	X-247		PL.	V. C.	800-S	1.50

ADMIRAL

61	C-60		SW.	V. C.	500,000-Z	\$1.00
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ADVANCE ELECTRIC CO.

Falk Super "B".....	W-30	C-30	SW.	V. C.	10,000-V	\$1.00
E		C-54	SW.	V. C.	200,000-V	1.00
Falk 77, 88, 89.....	W-13		PL.	V. C.	2,000-V	1.00

AERO PRODUCTS, INC.

Aero Seven	W-6		PL.	V. C.	500-S	\$1.00
Aerodyne for AC		C-55	PL.	V. C.	250,000-S	1.00
96 DC		C-55	PL.	V. C.	250,000-S	1.00

AIR CASTLE

A-31	C-60		SW.	V. C.	500,000-Z	\$1.00
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AIR-KING PRODUCTS

15, 16, 100, 104, 134, 155		X-648	SW.	V. C.	25,000-"TR"	\$2.00	
Comet	C-54	X-649	SW.	V. C.	200,000-V	2.00*	
11, 14		X-650	SW.	V. C.	25,000-"TR"	2.00	
Control No. 5 MACV	C-42	X-651	SW.	T. C.	30,000-S	2.00*	
Vol. Control No Switch No. 5 MACV	C-60	X-652	PL.	V. C.	500,000-Z	1.50*	
Vol. Control No. 5 MGW	W-38	C-38	PL.	V. C.	20,000-V	1.50*	
Control and Sw. No. 5 MGW		X-653	PL.	V. C.	30,000-S	2.00*	
Atlas All Wave		C-42	X-654	SW.	500,000-Z	2.00*	
Control and Sw. No. 40		C-60	X-655	SW.	V. C.	25,000-"TR"	2.00
			X-656	SW.	V. C.		

Notice:—For the Servicemen's convenience any of the following control numbers can be replaced with our standard Type "C-60."

No. 70, 71, 67, 57, 55, 66.....	C-60		S.orPl.	T.&V.C.	500,000-Z	1.00
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ALL AMERICAN MOHAWK
WURLITZER LYRIC

8 Tube 110 DC	C-48		PL.	V. C.	75,000-V	\$1.00
B - 30 - 31		X-422	PL.	V. C.	P-10,000-U	2.50
					R-10,000-S	
7 Tube DC	C-58		PL.	V. C.	500,000-S	1.00
S-6, S-7, S-8		X-103	SW.	V. C.	10,000-"TR"	2.00
DC-7 110 Volt		X-422	PL.	V. C.	P-10,000-U	2.50
					R-10,000-S	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

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MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
ALL AMERICAN MOHAWK (Continued)							
WURLITZER LYRIC							
SW8, S10, SA65, SW80.....		C-60		PL.	V. C.	500,000-Z	\$1.00
SA90, SA91, SA130, SA5.....		C-60		PL.	V. C.	500,000-Z	1.00
SA6, SW88, SA-91A.....		C-60		PL.	V. C.	500,000-Z	1.00
SA120, SA133, 470.....		C-60		PL.	V. C.	500,000-Z	1.00
471, 480.....		C-60		PL.	V. C.	500,000-Z	1.00
DC 7-220 Volts.....		X-422		PL.	V. C.	P-10,000-U	2.50
						R-10,000-S	
AC 226, 277.....		C-58		PL.	V. C.	500,000-S	1.00
60, 61, 62, 65, 66, 77, 99.....		X-817		PL.	V. C.	75,000-"TL"	1.50
70, 73, 75.....		X-422		PL.	V. C.	P-10,000-U	2.50
						R-10,000-S	
80, 83, 84, 85, 86, 88, 280.....		X-817		PL.	V. C.	75,000-"TL"	1.50
90 (25 & 60 cycle).....	W-29	C-29		PL.	V. C.	10,000-U	1.00
96 (60 cycle).....	W-29	C-29		PL.	V. C.	10,000-U	1.00
Screen Grid 110 DC.....	W-27	C-27		PL.	V. C.	10,000-S	1.00
Lyric D-H.....		X-101		PL.	V. C.	P-7,500-S	2.50
						R-10,000-"TL"	
A - D - J.....		X-307		SW.	V. C.	7,500-"TL"	2.00
K.....		C-60		PL.	V. C.	500,000-Z	1.00
Screen Grid Chassis C-6.....	W-29	C-29		PL.	V. C.	10,000-U	1.00
S - 40.....		X-423		SW.	V. C.	20,000-"TL"	2.00
S - 50.....		X-424		PL.	V. C.	7,500-"TL"	1.50
S - 63.....	W-33	C-33		PL.	V. C.	15,000-U	1.00
DC65 - 110 Volts.....	W-27	C-27		PL.	V. C.	10,000	1.00
DC65 - 220 Volts.....	W-27	C-27		PL.	V. C.	10,000	1.00
B - 80.....		X-501		PL.	V. C.	P-7,500-U	2.50
						R-10,000-V	
S - 80.....		X-308		SW.	V. C.	15,000-"TR"	2.00
SU5.....		X-258		SW.	V. C.	500,000-Z	2.00
SA-110.....		X-425		PL.	V. C.	500,000	1.50
SA-110 Tone.....		X-426		SW.	T. C.	500,000	2.00
C4 - M4.....		X-276		SW.	V. C.	1,000,000-Z	2.00
U50 U55.....	W-37	C-37		SW.	V. C.	20,000-U	1.00
P - 5.....		C-60		SW.	V. C.	500,000-Z	1.00
B - 6.....	W-29	C-29		PL.	V. C.	10,000-U	1.00
450.....	W-24	C-24		SW.	V. C.	7,500-U	1.00
B-6 (Tone Control).....		C-40		SW.	T. C.	25,000-S	1.00
SA-133, SA-120 (Tone).....		C-60		PL.	T. C.	500,000-Z	1.00
SA-90, 91, 91A (Tone).....		C-60		PL.	T. C.	500,000-Z	1.00
SA-130 (Tone).....		C-60		PL.	T. C.	500,000-Z	1.00
SW-80, SA-65, S-63, SW-8.....	W-27	C-27		PL.	T. C.	10,000-S	1.00
480, D65.....		C-51		SW.	T. C.	100,000-Z	1.00
470, 471, SW-88.....	W-27	C-27		SW.	T. C.	10,000-S	1.00
DC-7.....		X-816		PL.	V. C.	P-10,000-S	2.50
						R-10,000-S	
460 A-60.....	W-33	C-33		PL.	T. C.	15,000-U	1.00
SA-5, SA-6.....	W-27	C-27		SW.	T. C.	10,000-S	1.00
B-80, S-80.....		C-64		PL.	T. C.	250,000-Z	1.00
DC, Chassis.....		X-422		PL.	V. C.	P-10,000-U	2.50
						R-10,000-S	
S-8 (Tone Control).....		C-48		PL.	T. C.	75,000-V	1.00
K, S7 (Tone Control).....	W-37	C-37		PL.	T. C.	20,000-U	1.00
SU5 (Tone Control).....		X-269		PL.	T. C.	15,000-"TL"	1.50
SA-130, SA-133 (N.S.).....	W-33	C-33		PL.	N. S.	15,000-U	1.00
SA-110 (N.S.).....	W-11	C-11		PL.	N. S.	2,000-S	1.00
SA-90, SA-91, (N.S.).....	W-27	C-27		PL.	N. S.	10,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



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Prices do not include switch, except on "X" controls.

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ALLIED RADIO CORP.

AC - 5		C-48	PL.	V. C.	75,000-V	\$1.00
Knight 8-9 AC.....	W-16	C-16	PL.	V. C.	3,000-U	1.00
AS - 30 - SG (Auto).....		C-48	PL.	V. C.	75,000-V	1.00
B - 6 - 30.....	W-19	C-19	PL.	V. C.	5,000-S	1.00
Knight SG-8	W-38	C-38	SW.	V. C.	20,000-V	1.00
Knight SG-9 (TC).....		C-60	PL.	T. C.	500,000-Z	1.00
Knight SG-10		C-48	SW.	V. C.	75,000-V	1.00
Knight 118 (AVC).....		C-60	SW.	V. C.	500,000-Z	1.00
Knight 118 (TC).....		C-46	PL.	T. C.	50,000-Z	1.00
Knight 6 tube dual wave.....		C-60	SW.	V. C.	500,000-Z	1.00
E9830-8 tube super.....		C-60	SW.	V. C.	500,000-Z	1.00
E9831-10 tube super.....		C-60	SW.	V. C.	500,000-Z	1.00
E9830-1-8 & 10 Super.....		C-46	PL.	T. C.	50,000-Z	1.00
12 Tube Super		C-64	SW.	V. C.	250,000-Z	1.00
32-33 Class B 12 tube Super.....		C-46	PL.	T. C.	50,000-Z	1.00
7 tube Super '32.....	W-25	C-25	SW.	V. C.	7,500-V	1.00
7 tube Super '32 (TC).....		C-46	PL.	T. C.	50,000-Z	1.00
8 tube All Wave Battery.....		C-64	SW.	V. C.	250,000-Z	1.00
"P"		C-51	PL.	T. C.	100,000-Z	1.00
"P"		C-60	PL.	V. C.	500,000-Z	1.00
F-9501 AC-DC		C-50	PL.	V. C.	100,000-"TL"	1.00
F-9505 - Vol.....		C-64	PL.	V. C.	250,000-Z	1.00
F-9505 - T.C.		C-51	PL.	T. C.	100,000-Z	1.00
F-9511 V. C.		C-64	PL.	V. C.	250,000-Z	1.00
F-9515 V. C. 32 v. rec.....		C-64	PL.	V. C.	250,000-Z	1.00
F-9515 T. C. 32 volt rec.....		C-51	PL.	T. C.	100,000-Z	1.00
F-9521 V. C.	W-24	C-24	PL.	V. C.	7,500-U	1.00
F-9521 T. C.		C-51	PL.	T. C.	100,000-Z	1.00
9525 - 9527		SPECIAL ORDER - 100,000 V		V.C.	100,000-V	1.00
9531 - 9591		C-60	PL.	V. C.	500,000-Z	1.00
9531 - 9591		C-51	PL.	T. C.	100,000-Z	1.00
9541		C-60	SW.	V. C.	500,000-Z	1.00
G-9503 (1935)	W-29	C-29	SW.	V. C.	10,000-U	1.00
G-9505 (1935)	W-30	C-30	SW.	V. C.	10,000-V	1.00
G-9511-13 (1935)		C-60	SW.	V. C.	500,000-Z	1.00
G-9533 (Both Types 1935)		C-60	SW.	V. C.	500,000-Z	1.00
G-9533 (Both Types 1935)	W-27	C-27	PL.	T. C.	10,000-S	1.00
G-9545, G-9547, G-9549 (1935)	W-27		PL.	QAVC.cont.	10,000-S	1.00
G-9545, G-9547, G-9549 (1935)	W-37	C-37	PL.	T. C.	20,000-U	1.00
G-9551, (1935)	W-24	C-24	PL.	V. C.	7,500-U	1.00
G-9551, (1935)		C-51	SW.	T. C.	100,000-Z	1.00
G-9557, G-9553, (1935)		C-60	SW.	V. C.	500,000-Z	1.00
G-9561-63-65-67, G-9611-13		C-60	PL.	V. C.	500,000-Z	1.00
G-9561-63-65-67 (1935)		C-51	PL.	T. C.	100,000-Z	1.00

AMRAD.

AC6, AC6-C, AC7, AC7-C		C-50	PL.	V. C.	100,000-N	\$1.00
Bel-Canto Series No. 81		C-45	X-831	PL.	V. C.	50,000-W
70	W-28	C-28		PL.	V. C.	10,000-N
81	W-31			PL.	V. C.	10,000-W
84		C-60		PL.	V. C.	500,000-Z
90			X-420	PL.	V. C.	P-650-S
						R-10,000-"TL"

ANSLEY RADIO LABS.

D3, D4, D6		SPECIAL 35,000-U		220 ohm Bias	\$1.50
Universal Portable U-3	W-34	C-34	SW.	V. C.	15,000-V
Universal Portable U-8		C-64	SW.	V. C.	250,000-Z
DC Electric		C-64	PL.	T. C.	250,000-Z
MD-1	W-29	C-29	PL.	V. C.	10,000-U

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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ANSLEY RADIO LABS. (Continued)

U-1 AC/DC	C-41	PL.	V. C.	25,000-W	\$1.00	
U-1 AC/DC	C-53	PL.	T. C.	200,000-Z	1.00	
U-2 AC/DC	C-45	SW.	V. C.	50,000-W	1.00	
U-2 AC/DC	C-64	SW.	T. C.	250,000-Z	1.00	
U-10 (1935)	W-21	C-21	SW.	V. C.	5,000-V	1.00

APPEL-HENDERSON

Silver King AC Comb., 5 Tube AC.....	W-28	C-28	PL.	V. C.	10,000-N	\$1.00
4 Tube AC.....		C-40	PL.	V. C.	25,000-S	1.00

ATCHISON RADIO MFG. CO.

5-AC, 5-DC, 6-AC.....	W-29	C-29	PL.	V. C.	10,000-U	\$1.00
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ATWATER KENT MFG. CO.

40, 40F, 42, 42F, 43, 44, 45, 46, 47, 52, 53, 57.....	No. 1					\$.50	
55, 55C, 60, 61.....	Strip					.50	
80, 80F, 83, 83F, 90, 90F.....	W-23	X-400	SW.	V. C.	7,000-S	2.00*	
84, 84F (late), 87, 94, 94F.....	W-19	X-419	SW.	V. C.	4,000-"TR"	2.00*	
89, 89F, 89P, 92, 92F, 96, 96F, 99, 99F, 99P.....	C-60	X-428	SW.	V. C.	500,000-Z	2.00*	
86, 86F, 82, 82F, 85, 85F (late).....	W-6	X-429	SW.	V. C.	600-S	2.00*	
480 SW & LW.....	C-50				100,000-N	1.00	
480, 469, 469D, 469F, 558D, 469Q, 558Q.....	C-60		SW.	V. C.	500,000-Z	1.00	
612, 627, 588, 155, 812, 145, 375.....	C-60		SW.	V. C.	500,000-Z	1.00	
87D, L, F, P, D. Chassis.....		X-497	PL.	V. C.	P-6,000-W	2.50	
					R-2,500-U		
87 (3 types).....	W-19		SW.	V. C.	5,000	1.00	
310, 510, 246, 266, 275, 825 (AC-DC) 808A.....	C-60		SW.	V. C.	500,000-Z	1.00	
66.....		X-498	PL.	V. C.	P-6,000-W	2.50	
					R-10,000-U		
85, 85F (early).....	C-60		SW.	V. C.	500,000-Z	1.00	
84, 84F, 84Q (early).....	C-60		PL.	V. C.	500,000-Z	1.00	
85Q (Battery) 228Q.....	C-51		PL.	V. C.	100,000-Z	1.00	
165Q, 525Q, 188, 188F, 228, 228F, 228D, 246.....	C-60		SW.	V. C.	500,000-Z	1.00	
165, 185, 525, 448, 555, 711.....	C-60		SW.	V. C.	500,000-Z	1.00	
567, 567F.....		X-24	SW.	V. C.	7,500-U	1.00	
185A, 206, 376, 425, 665.....	C-60		SW.	V. C.	500,000-Z	1.00	
944.....	W-29	C-29	SW.	V. C.	10,000-U	1.00	
480 SW & LW (neon tube control).....	W-23		PL.	N. T. C.	7,500	1.00	
82Q All Air Cell Types.....			X-772	PL.	V. C.	80,000-S	1.50
82D (1st & 2nd type).....			X-773	SW.	V. C.	400,000-"TL"	2.00*
H72, Model 72, H1 & H2.....			X-495	PL.	V. C.	P-100,000-"TL"	2.50
					R-250,000-"TR"		
71, 84-D.....	C-60		PL.	V. C.	500,000-Z	1.00	
236, 217, 427, 667, 708, 808.....	C-60	X-130	SW.	V. C.	500,000-Z	2.00*	
55F, 55FC (early) 55, 55C (early).....	W-26		PL.	V. C.	7,500-W	1.00	
55, 55C (late) 55F, 55FC (late).....		X-498	PL.	V. C.	P-6,000-W	2.50	
					R-10,000-U		
60, 60C, 61, 61C, DC (All types).....	W-26		PL.	V. C.	7,500-W	1.00	
60, 60C (late).....		X-498	PL.	V. C.	P-6,000-W	2.50	
					R-10,000-U		
60, 60C (3rd type).....		X-700	PL.	V. C.	P-6,000-W	2.50	
					R-2,500-U		
70, 74, 76, chassis F, D, D-2, L-1, LA.....		X-700	PL.	V. C.	P-6,000-W	2.50	
					R-2,500-U		

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

ATWATER KENT MFG. CO. (Continued)

76, chassis P.....		X-700	PL.	V. C.	P-6,000-W R-2,500-U	\$2.50	
310, 510, 711, 788 (silent tuning control)....	W-34	C-34	PL.	S T C	15,000-V	1.00	
188, 188F (2nd type) 588, 612, 812, (Neon & Silent tuning control).....	W-36		PL.	N & STC	20,000	1.00	
448 (silent tuning control).....	W-25	C-25	PL.	S T C	7,500-V	1.00	
92 (2nd type) 96F, 99 (1st & 2nd).....	W-43		PL.	N T C	40,000-S	1.40	
93 (3rd type).....	W-27		PL.	N T C	10,000-S	1.00	
99 (3rd)	W-32		PL.	N T C	15,000-S	1.00	
260, 260F (1st & 2nd) Tone Beam.....	W-34	C-34	PL.	To. B.	15,000-V	1.00	
469, 469F (2nd), 260, 260F (3rd) 469D, 558D Tone Beam & S.T.C.....	W-36	C-36	PL.	To. B.	20,000-S	1.00	
469, 469F Tone Beam.....	W-23		PL.	To. B.	7,500-S	1.00	
135-Z, 215-Z (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
305-Z, 565-Z, 237Q, 467Q, (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
285Q, 415Q, 286, 356 (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
317, 337, 328 (early) (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
385Q, 625Q, 435, 465Q, 655Q.....		C-60	SW.	V. C.	500,000-Z	1.00	
475, 735, 545, 649 (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
768Q, 978Q, (1935).....		C-60	DP DT	V. C.	500,000-Z	1.00	
770 (Auto), 856, 976 (1935).....		C-60	SW.	V. C.	500,000-Z	1.00	
854, 944	W-37	C-37	PL.	V. C.	20,000-U	1.00	
756, 756B, 636.....		C-60	X-774	PL.	V. C.	500,000-Z	1.50*

AUDIOLA RADIO CO.

23-S8, 33-S7, 34-C5-AC-DC, 33-S8 (32v)....		C-60	SW.	V. C.	500,000-Z	\$1.00
23-S10, 23-S12, 33-S10 SW, 34-S5 (AVC)		C-64	SW.	V. C.	250,000-Z	1.00
33-T4, 33-S5, 33-S6B, 34-S5-LW.....		C-44	SW.	V. C.	50,000-S	1.00
13-T5	W-29	C-29	SW.	V. C.	10,000-U	1.00
23-S8, 23-S10, 23-S12, 33-S7, 33-S8 (32v)		C-46	PL.	T. C.	50,000-Z	1.00
33 - S10 - SW.....		C-44	PL.	T. C.	50,000-S	1.00
13-T5, 8T Super, Audiola 31 Super.....		C-64	PL.	T. C.	250,000-Z	1.00
23 S8 Q.....		C-51	SW.	Y. C.	100,000-Z	1.00
23-T5, 23-T5-SW.....	W-29		SW.	V. C.	10,000-U	1.00
23-S8 Q.....		C-46	PL.	T. C.	50,000-Z	1.00
30B, 7330	W-18		PL.	V. C.	3,000-W	1.00
8430		C-48	PL.	V. C.	75,000-V	1.00
889	W.9	C-9	PL.	V. C.	1,000-L	1.00
31, 31 Super, 8T Super pentode, 4T-31-RF, 6T Jr. No.1, No.2.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
6T-31 Pentode, 7-T Super Pentode.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
9T Super Pentode, 1395 Superhet.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
10-T Super, 9-T45 Super.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
6-T31 Pentode, Jr.....	W-27	C-27	PL.	T. C.	10,000-S	1.00
6T-Jr. No. 1 & No. 2.....	W-27	C-27	PL.	T. C.	10,000-S	1.00
7-T Super Pentode, 1395 Super.....		C-64	PL.	T. C.	250,000-Z	1.00
10-T Super, 9-T45 Super.....		C-63	PL.	T. C.	1,000,000-Z	1.00

AUSTIN RADIO MFG. CO.

A, J, S, SP.....	W-21	C-21	SW.	V. C.	5,000-V	\$1.00
S, SP	W-37	C-37	PL.	T. C.	20,000-U	1.00

AUTOCRAT RADIO CORP.

Autocrat Jr. 4, 4-SA, 57-C, 80.....	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
Autocrat 4-LW		C-40	SW.	V. C.	25,000-S	1.00
5-SA, 6, 6D (32 volt) 90SL.....		C-60	SW.	V. C.	500,000-Z	1.00
6, 90SL.....		C-60	PL.	T. C.	500,000-Z	1.00
6-D (32 volt).....		C-60	PL.	T. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



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Prices do not include switch, except on "X" controls.							

AUTOMATIC RADIO MFG. CO.

Tom Thumb	C-41		V. C.	25,000-W	\$1.00	
P25	C-51		V. C.	100,000-Z	1.00	
G5, ER		X-553	SW.	V. C.	500,000-Z	2.00
A6 Auto		X-554	SW.	V. C.	500,000-Z	2.00
Auto Junior		X-555	SW.	V. C.	500,000-Z	2.00
BL - 4		X-556	SW.	V. C.	25,000-U-MR	2.00
A6 Auto		X-557	PL.	T. C.	50,000-Spec.	1.50

BALKEIT RADIO CO.

A3, A5, A7	C-44		PL.	V. C.	50,000-S	\$1.00	
B7, B9	W-28	C-28	PL.	V. C.	10,000-N	1.00	
F, C	W-33	C-33	X-122	SW.	V. C.	15,000-U	2.00*
SG-6, M, 521-1, 55, E, KP, L-7	W-33	C-33		SW.	V. C.	15,000-U	1.00
D5		C-48		SW.	V. C.	75,000-V	1.00
42E, 42G, 69, 59	W-29	C-29		SW.	V. C.	10,000-U	1.00
38, 45, 48		C-54		SW.	V. C.	200,000-V	1.00
L8		C-34		SW.	V. C.	15,000-V	1.00
100		C-63		SW.	V. C.	1,000,000-Z	1.00
70		C-60		SW.	V. C.	500,000-Z	1.00
C-9			X-226	SW.	V. C.	25,000-TR	2.00
SG-6, E, 15U	W-27	C-27		PL.	T. C.	10,000-S	1.00
L7, L8, M, 52-1, 100, KB		C-62		PL.	T. C.	1,000,000-Z	1.00
41-A (1935)	W-38	C-38		SW.	V. C.	20,000-V	1.00
G. T. 16A (1935)		C-54		SW.	V. C.	200,000-V	1.00
G-18A, G-19B, GT-156BA		C-60		SW.	V. C.	500,000-Z	1.00
GT-20, GT-200X, GT-33		C-60		SW.	V. C.	500,000-Z	1.00
G-18A, G-19B, GT-20, GT-200X		C-51		PL.	T. C.	100,000-Z	1.00

BELMONT RADIO CORP.

Series 40, 40A, 50, 50A, Model 51A	W-30	C-30	SW.	V. C.	10,000-V	\$1.00
52A, 53A, 54A, Series 70	W-30	C-30	SW.	V. C.	10,000-V	1.00
Series 40 DC, Models 45 & 46	W-29	C-29	SW.	V. C.	10,000-U	1.00
Series 50B, 50C, 60, Model 61, 62, 63, 64	W-29	C-29	SW.	V. C.	10,000-U	1.00
Series 110		C-63	SW.	V. C.	1,000,000-Z	1.00
Series 100		C-63	PL.	V. C.	1,000,000-Z	1.00
420, 425, 430, 440, 575, 50F, 55F		C-48	SW.	V. C.	75,000-V	1.00
525 AC-DC, 530, 540, 550, 625, 650		C-60	SW.	V. C.	500,000-Z	1.00
660 (auto), 670 (auto), 675, 775		C-60	SW.	V. C.	500,000-Z	1.00
750, 1050		C-60	PL.	V. C.	500,000-Z	1.00
70A, 71A, 72A, 73A, 74A		C-48	SW.	V. C.	75,000-V	1.00
71-C		C-48	PL.	V. C.	75,000-V	1.00
Series 50, 60, 70, 70A, Models 61, 62, 63, 64		C-46	PL.	T. C.	50,000-Z	1.00
Series 110		C-51	PL.	T. C.	100,000-Z	1.00
71C, 100		C-44	SW.	T. C.	50,000-S	1.00
750, 775		C-60	PL.	T. C.	500,000-Z	1.00
1050		C-60	SW.	T. C.	500,000-Z	1.00
1050 Noise Suppression		C-60	PL.	N. S.	500,000-Z	1.00
Series 100		C-48	PL.	Power	75,000-V	1.00
401 (1935)	W-30	C-30	PL.	V. C.	10,000-V	1.00
444 (1935)	W-30	C-30	SW.	V. C.	10,000-V	1.00
541, Model 580 (auto) (1935)		C-60	SW.	V. C.	500,000-Z	1.00
544, 545 (1935)		C-46	SW.	T. C.	50,000-Z	1.00
578 (2 types) 680 (auto)		C-63	PL.	V. C.	1,000,000-Z	1.00
585, Series A, B, C, (1935)		C-60	SW.	V. C.	500,000-Z	1.00
670A (auto), 755 (1935)		C-63	SW.	V. C.	1,000,000-Z	1.00
755, (1935)		C-64	SW.	TC & Sen.SW	250,000-Z	1.00
777, Series A, B, (1935)		C-63	SW.	V. C.	1,000,000-Z	1.00
777, Series A, B, (1935)		C-64	PL.	T. C.	250,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

BELMONT RADIO CORP. (Continued)

880 Series A, B, C, (auto).....	C-63		SW.	V. C.	1,000,000-Z	\$1.00
880, Series A, C, (1935).....	C-51		PL.	T. C.	100,000-Z	1.00

BLACK HAWK

60	C-60		PL.	V. C.	500,000-Z	\$1.00
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BRANDES PRODUCTS CORP.

A-1, B-11, B-12.....	W-37	C-37	PL.	V. C.	20,000-U	\$1.00
B-10, B-15, B-16.....		X-131	PL.	V. C.	10,000-“TL”	1.50

BREMER TULLY MFG. CO.

7-70, 7-71, 8-20, 8-20A, 8-21, 8-21A, 8-22.....		X-313	PL.	V. C.	10,000-“TL”	\$1.50	
6-40, 6-41		X-315	PL.	V. C.	20,000-“TL”	1.50	
81-A, 83	W-37	C-37	SW.	V. C.	20,000-U	1.00	
81, 82, 14, 21, 31	W-38	C-38	X-137	SW.	V. C.	20,000-V	2.00*
S-81, S-82, S-14, S-21, S-31	W-15		X-138	SW.	V. C.	3,000-S	2.00*
8 Counterphase			C-58	PL.	V. C.	500,000-S	1.00

BRONSWICK

Bronwick	W-16	C-16	PL.	V. C.	3,000-U	\$1.00
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BROWNING DRAKE CORP.

34, 36, 38	W-9	C-9	PL.	V. C.	1,000-L	\$1.00	
20, 40, 80	W-19	C-19	X-139	SW.	V. C.	5,000-S	2.00*
100		C-45		PL.	V. C.	50,000-W	1.00
69	W-31	C-31		SW.	V. C.	10,000-W	1.00
Junior, 54 (late)	W-30	C-30		PL.	V. C.	10,000-V	1.00
54 (Early)	W-31	C-31		SW.	V. C.	10,000-W	1.00
70, 71		C-64		SW.	V. C.	250,000-Z	1.00
20, 40, 80		C-46		PL.	T. C.	50,000-Z	1.00
100		C-46		SW.	T. C.	50,000-Z	1.00
MB-30		C-46		PL.	V. C.	50,000-Z	1.00

BRUNSWICK RADIO CO.

2KR, 5KR, 2KRO, 5KRO, 3KR8	W-12		X-255	PL.	V. C.	2,000-L	\$1.50*
5KR6, 2KR6, 3KRO, 3KR6	W-12		X-255	PL.	V. C.	2,000-L	1.50*
B17, PR-17	W-12		X-254	PL.	V. C.	2,000-L	1.50*
5NO, 3NC8, 5NC8	W-6			PL.	V. C.	500-S	1.00
R1, 3NW8	W-12			PL.	V. C.	2,000-L	1.00
DC-14, DC-21, DC-31	W-19			SW.	V. C.	5,000-S	1.00
14, 21, 31, 81, 82	W-38	C-38	X-137	SW.	V. C.	20,000-V	2.00*
S14, S21, S31, S81, S82	W-15		X-138	SW.	V. C.	3,000-S	2.00*
10	W-21		X-143	SW.	V. C.	5,000-V	2.00*
11, 12, 16, 33 AC	W-34	C-34		SW.	V. C.	15,000-V	1.00
11, 12, 16, 33, AVC Chassis “D”	W-34	C-34		SW.	V. C.	15,000-V	1.00
17, 24, 25 AC		C-60		PL.	V. C.	500,000-Z	1.00
11, 12, 16, 33, 17, 24, 25 AC		C-53		PL.	T. C.	200,000-Z	1.00
11, 12, 16, 33 AVC “D” Chassis		C-60		PL.	T. C.	500,000-Z	1.00
Panatrophe			X-824	PL.	V. C.	75-S	1.50*

BUCKINGHAM RADIO CORP.

80, 80B	W-12	C-12		PL.	V. C.	2,000-L	\$1.00
7 Tube O.C.			X-806	PL.	V. C.	P-10,000-“TL”	2.50

R-500,000-“TL”

BULOVA WATCH CO.

M-501	W-21		X-143	SW.	V. C.	5,000-V	\$2.00*
600, 601, 605, 610	W-21			PL.	V. C.	5,000-V	1.00
M-701	W-30		X-152	PL.	V. C.	10,000-V	1.50*
C-751	W-25		X-259	SW.	V. C.	7,500-V	2.00*
C-751		C-46		PL.	T. C.	50,000-Z	1.00

*List Price of Series “X”. For List Price of Series “C” or “W”, see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
BUSH & LANE PIANO CO.							
10, 12	W-27			PL.	V. C.	10,000-S	\$1.00
CAPEHART CORPORATION							
400A, 400B, 402B, 404BAW		C-64		PL.	V. C.	250,000-Z	\$1.00
103, 104, Chassis "Z"		C-60		SW.	V. C.	500,000-Z	1.00
103, 104, Chassis "Z"		C-60		PL.	T. C.	500,000-Z	1.00
400, 401, 402		C-46		PL.	T. C.	500,000-Z	1.00
400A		C-63		PL.	T. C.	1,000,000-Z	1.00
400B, 402B, 404BAW		C-64		PL.	T. C.	250,000-Z	1.00
400A (Q.A.V.C.)	W-29	C-29		PL.	QAVC	10,000-U	1.00
CK		C-51		PL.	V. C.	100,000-Z	1.00
CK		C-51		PL.	T. C.	100,000-Z	1.00
CK		C-64		PL.	Phono	250,000-Z	1.00
Part No. 2237, 22E337A	W-44		X-702	PL.		50,000-S	1.50*
Part No. 2256		MH	X-703	PL.		30 ohms.	.75*
Part No. 2225	W-44		X-704	PL.		50,000-S	1.50*
CAVALCADE RADIO CO.							
357 (1935)		C-60		SW.	V. C.	500,000-Z	\$1.00
3511 (1935)		C-60		SW.	V. C.	500,000-Z	1.00
CENTURY RADIO PRODUCTS							
4-47, 4-78, 5-38, 5-47	W-29	C-29		SW.	V. C.	10,000-U	\$1.00
Century Ace		C-60		PL.	V. C.	500,000-Z	1.00
Century Queen	W-37	C-37		SW.	V. C.	20,000-U	1.00
Century Ace		C-46		SW.	T. C.	50,000-Z	1.00
Century Queen		C-46		PL.	T. C.	50,000-Z	1.00
Century Ace	W-30	C-30		PL.	N. S.	10,000-V	1.00
7 - 38		C-60		PL.	V. C.	500,000-Z	1.00
CLAGO RADIO CORP.							
"Radiochron"							
"B"		C-29		PL.	V. C.	10,000-U	\$1.00
"B"		C-29		PL.	T. C.	10,000-U	1.00
COLONIAL RADIO CORP.							
32, 32DC		X-155	PL.	V. C.	P-30,000-"TR" R-10,000-"TL"	\$2.50	
46, 50	W-34	C-34		SW.	V. C.	15,000-V	1.00
44, 47, 48, 136	W-33	C-33		SW.	V. C.	15,000-U	1.00
52	W-25	C-25		PL.	V. C.	7,500-V	1.00
56		C-60		PL.	V. C.	500,000-Z	1.00
62, 73, 76, T-345, T-397, C-495, C-399	W-33	C-33		PL.	V. C.	15,000-U	1.00
C-595, C-695		C-63		SW.	V. C.	1,000,000-Z	1.00
250, 279, 300, 301, 500, "A" & "B"	W-16	C-16		SW.	V. C.	3,000-U	1.00
250AC, 279AC, 300AC, 301AC	W-16	C-16		SW.	V. C.	3,000-U	1.00
653	W-16	C-16		PL.	V. C.	3,000-U	1.00
654	W-17	C-17		SW.	V. C.	3,000-V	1.00
250, 300AC-DC, 250AC, 300AC, SW	C-60			SW.	V. C.	500,000-Z	1.00
500, 501AC, 164, 182, 650, 651, 652, 655	C-60			SW.	V. C.	500,000-Z	1.00
36		X-775	PL.	Hum.C.		600-S	1.50*
158	C-60	X-776	SW.	V. C.		500,000-Z	2.00*
2		X-777	SW.	V. C.		15,000-"TL"	2.00*
700AC, 701AC, 702AC	C-60			SW.	V. C.	500,000-Z	1.00
701, 702, 700	C-60			SW.	V. C.	500,000-Z	1.00
600, 600A, 601, 602, 603, 604, 656	C-60			PL.	V. C.	500,000-Z	1.00
56, 62, 71, 73, 76, T-345, T-397, C-495	C-60			PL.	T. C.	500,000-Z	1.00
C-399, C-595, C-695, C-995, 658	C-60			PL.	T. C.	500,000-Z	1.00
164, 182, 601, 602, 650, 659	C-60			PL.	T. C.	500,000-Z	1.00
400, 604		C-63		PL.	T. C.	1,000,000-Z	1.00
51, 52, 600, 600A, 656	C-60			SW.	T. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.

Prices do not include switch, except on "X" controls.

Plain or
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COLONIAL RADIO CORP. (Continued)

40, 43, 44, 47.....		C-66	PL.	T. C.	2,000,000-Z	\$1.00
71 Phantom Tuning.....	W-2		PL.	Ph.T.	100 ohms	1.00
601 Noise Suppression.....	W-8		PL.	N. S.	1,000 ohms	1.00
605, 622 (1935).....		C-60	SW.	V. C.	500,000-Z	1.00
605, (1935).....		C-60	PL.	V. C.	500,000-Z	1.00

COLUMBIA PHONOGRAPH CO.

C-1, 2, 4, 5, 6, 7, 950, 961, 980.....	W-28	C-28	PL.	V. C.	10,000-N	\$1.00
C-80A, C-80B, C-800, R-9		C-64	PL.	V. C.	250,000-Z	1.00
C-90		C-53	PL.	V. C.	200,000-Z	1.00
C-100		C-64	X-162	PL.	V. C.	250,000-Z
120-B			X-303	PL.	V. C.	P-10,000-U R-10,000-V
32, 34	W-30	C-30	X-152	PL.	V. C.	10,000-V
Personal	W-29	C-29	X-485	SW.	V. C.	10,000-U
10	W-30	C-30	X-224	SW.	V. C.	10,000-V
SG-10, AC-5-30		C-48		PL.	V. C.	75,000-V
SG-9			X-304	SW.	V. C.	P-2 000-L R-10,000-V
950, 961	W-28	C-28		PL.	V. C.	10,000-N
C-90		C-64		SW.	T. C.	250,000-Z
C-80-A, C-80-B, C-800, R-9		C-46		SW.	T. C.	50,000-Z
SG-9		C-60		PL.	T. C.	500,000-Z
980 Radio & Phono Comb.....		C-63		PL.	V. C.	1,000,000-Z

COLUMBIA RADIO CORP.

SG-8		X-828 S.P.D.T.	SW.	V. C.	10,000-“TL”	\$2.00
SG-5 (1930)		C 48	SW.	V. C.	75,000-V	1.00
SG-10		C-48	PL.	V. C.	75,000-V	1.00
SG-9 (1930)		C-60	PL.	T. C.	500,000-Z	1.00
24-45, 24-27, 24-47	W-29	C-29	SW.	V. C.	10,000-U	1.00
58-47	W-33	C-33	SW.	V. C.	15,000-U	1.00

CONTINENTAL RADIO & TELEV. CO.

L4, ML4, (1935)		C-60	SW.	V. C.	500,000-Z	\$1.00
L4, ML4, (1935)		C-51	PL.	T. C.	100,000-Z	1.00
L2, ML156, ML266.....		C-60	SW.	V. C.	500,000-Z	1.00
L2, ML156, ML266.....		C-51	PL.	T. C.	100,000-Z	1.00
137X, 150X, 171X, X541.....		C-60	SW.	V. C.	500,000-Z	1.00

CRANE

(American Radiator Co.)

23-T-8-LW		C-60	PL.	V. C.	500,000-Z	\$1.00
23-T-8-LW		C-46	PL.	T. C.	50,000-Z	1.00

CROSLEY RADIO CORP.

608 AC (Female Shaft), 602.....		X-323	PL.	V. C.	2,000-“TL”	\$1.50	
705, 706 (Long Shaft).....		X-159	PL.	V. C.	900-“TL”	1.50	
804		X-326	PL.	V. C.	7,500-“TL”	1.50	
609, 610 (Gembox, Gemchest), 61 Early..		X-323	PL.	V. C.	2,000-“TL”	1.50*	
704 Jewelbox, 705, 706 Female Shaft.....		X-323	PL.	V. C.	2,000-“TL”	1.50*	
704A, 704B, 704.....	W-8	X-159	PL.	V. C.	900-“TL”	1.50*	
Buddy & Chum.....	W-5		PL.	V. C.	400-S	1.00	
60-S, 61-S, 62-S, 63-S, 65-S, (DC).....	W-31		PL.	V. C.	10,000-W	1.00	
63 Chassis (30-S, 31-S, 33-S, 34-S).....		X-324	PL.	V. C.	25,000-“TL”	1.50	
73 Chassis (40-S, 41-S, 42-S, 45-S).....		X-324	PL.	V. C.	25,000-“TL”	1.50	
48 Chassis	W-37	C-37	X-401	PL.	V. C.	20,000-U	1.50*
53, 54, 55, 56, 57, 58.....	W-37	C-37	X-165	PL.	V. C.	25,000-“TL”	1.50*
59	W-20	C-20	X-782	PL.	V. C.	5,000-“TL”	1.50*
76, 77 Chassis		C-64	X-162	PL.	V. C.	250,000-Z	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

CROSLEY RADIO CORP. (Continued)

26			X-784	PL.	V. C.	125,000-"TL"	\$1.50
77-1 Chassis	W-29	C-29	X-163	PL.	V. C.	10,000-U	1.50*
84 Chassis, 127 Chassis		C-60		PL.	V. C.	500,000-Z	1.00
120, 120 Special Chassis	W-29	C-29	X-327	SW.	V. C.	10,000-U	2.00*
121, 121-1		C-60		SW.	V. C.	500,000-Z	1.00
122 Chassis	W-16		X-397	SW.	V. C.	3,000-U	2.00*
123 Chassis	W-20			SW.	V. C.	5,000-U	1.00
124 Chassis, 124-1 129, 130 Chassis	W-20		X-160	SW.	V. C.	5,000-U	2.00*
125 Chassis	W-20		X-431	PL.	V. C.	5,000-U	1.50*
126 Chassis	W-6		X-432	SW.	V. C.	650-S	2.00*
126-1 Chassis	W-6		X-433	SW.	V. C.	650-S	2.00*
131 Chassis	W-12		X-435	SW.	V. C.	2,000-L	2.00*
132 Chassis			X-436	PL.	V. C.	P-3,000,000-"TL" R-3,000,000-"TL"	2.50
135 Chassis	W-20		X-437	PL.	V. C.	5,000-U	1.50*
137 Chassis	W-12		X-438	SW.	V. C.	2,000-L	2.00*
706 Early (Long Shaft)			X-784	PL.	V. C.	10,000-"TL"	1.50
804 (Late)		C-44	X-780	PL.	V. C.	50,000-S	1.50*
141 Chassis, 184, 167	W-20		X-439	SW.	V. C.	5,000-U	2.00*
142 Chassis	W-20		X-440	PL.	V. C.	5,000-U	1.50*
143 Chassis	W-24		X-441	PL.	V. C.	7,500-U	1.50*
147 Chassis	W-20		X-442	SW.	V. C.	5,000-U	2.00*
154 Chassis	W-28		X-443	SW.	V. C.	10,000-N	2.00*
155 Chassis			X-444	SW.	V. C.	4,500-"TL"	2.00
156 Chassis, 178	W-27		X-445	SW.	V. C.	10,000	2.00*
163 Chassis	W-20		X-446	SW.	V. C.	5,000-U	2.00*
162-1 Chassis		C-62	X-447	PL.	V. C.	1,000,000-Y	1.50*
129, 129-1, 133	W-20		X-160	SW.	V. C.	5,000-U	2.00*
146, 146-1, 157, 158, 160, 134, 134-1, 164, 168		C-67	X-230	PL.	V. C.	3,000,000-"TL"	1.50*
170, 171, S-49 (Level Control), 119		C-67	X-230	PL.	V. C.	3,000,000-"TL"	1.50*
132-1, 136-1, 130, 130-1			X-436	PL.	V. C.	P-3,000,000-"TL" R-3,000,000-"TL"	2.50
608, 609 (Long Shaft)			X-781	PL.	V. C.	2,600-S	1.50*
159, 167			X-439	SW.	V. C.	4,500-"TL"	2.00
166, 172, 176			X-446	SW.	V. C.	4,800-"TL"	2.00
169, 169 (Leader D)	W-29	C-29		SW.	V. C.	10,000-U	1.00
173, 173-5 (Level Control)		C-60		SW.	V. C.	500,000-Z	1.00
174 (DC)	W-29	C-29		SW.	V. C.	10,000-U	1.00
179, 180, 181		C-67	X-230	PL.	V. C.	3,000,000-Z	1.50*
182		C-60		SW.	V. C.	500,000-Z	1.00
184	W-29	C-29		SW.	V. C.	10,000-U	1.00
Fiver Jr. (5M-3)	W-20	C-20	X-439	SW.	V. C.	5,000-U	2.00*
DeLuxe Fiver L-B (Chassis 5V1)		C-60		SW.	V. C.	500,000-Z	1.00
50 (5H1)		C-67	X-230	PL.	V. C.	3,000,000-Z	1.50*
Chassis 120		C-60	X-430	PL.	T. C.	500,000-Z	1.50
Chassis 122		C-46		PL.	T. C.	50,000-Z	1.00
Chassis 123		C-53		PL.	T. C.	200,000-Z	1.00
Chassis 124, 125		C-46	X-161	PL.	T. C.	50,000-Z	1.50*
Chassis 126		C-45		PL.	T. C.	50,000-W	1.00
Chassis 127		C-46		SW.	T. C.	50,000-Z	1.00
Chassis 124-1, 127-1, 135, 129, 129-1			X-434	SW.	T. C.	75,000-V	2.00
Chassis 132-1, 136-1, 146, 146-1			X-434	SW.	T. C.	75,000-V	2.00
Chassis 150, 157, 158, 160, 168, 170, 171			X-434	SW.	T. C.	75,000-V	2.00
128, 133, 134			X-434	SW.	T. C.	75,000-V	2.00
Chassis 98	W-36	C-36	X-565	PL.	"Q"	20,000-S	1.50*
146-1			X-437	PL.	S. C.	4,500-"TL"	1.50
160 (Q Level Control)	W-19			PL.	"Q"	5,000-S	1.00
Sixty One (6H2), Sixty One LB		C-67	X-230	PL.	V. C.	3,000,000-Z	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

CROSLEY RADIO CORP. (Continued)

72, 72LB (7H2)	C-63	PL.	V. C.	1,000,000-Z	\$1.00	
72, 72LB (7H3)	C-63	PL.	V. C.	1,000,000-Z	1.00	
80 AW, 80AW, LB (8H1)	C-60	PL.	V. C.	500,000-Z	1.00	
Chassis 173	C-60	X-564	SW.	V. C.	500,000-Z	2.00*
Chassis 177	C-63	X-566	PL.	V. C.	1,000,000-Z	1.50*
179, 180, 181	C-60	X-434	SW.	T. C.	75,000-V	2.00*
50 (5H1), 119, S-48	C-48	X-434	SW.	T. C.	75,000-V	2.00*
Sixty One (6H2), Sixty One LB	C-48	X-434	SW.	T. C.	75,000-V	2.00*
72, 72LB (7H2)	C-60	SW.	T. C.	500,000-Z	1.00	
72, 72LB (7H3)	C-60	SW.	T. C.	500,000-Z	1.00	
80AW, 80AWLB (8H1)	C-60	SW.	T. C.	500,000-Z	1.00	
515, 5515, Fiver (1935)	X-657	SW.	V. C.	10,000-Sp.ta.	2.00	
505, 525 (1935)	X-658	SW.	V. C.	4,800-Sp.ta.	2.00	
534, 635 (1935)	C-63	SW.	V. C.	1,000,000-Z	1.00	
6H3, 614 (1935)	C-60	PL.	V. C.	500,000-Z	1.00	
6H3, 614 (1935)	C-51	SW.	T. C.	100,000-Z	1.00	
714, 715, 814	C-63	PL.	V. C.	1,000,000-Z	1.00	
714, 715, 814	C-51	SW.	T. C.	100,000-Z	1.00	
1014	C-60	PL.	V. C.	500,000-Z	1.00	
1014	C-51	SW.	T. C.	100,000-Z	1.00	
602, 104, 105	W-28	X-325	PL.	V. C.	10,000-N	1.50*

DETROLA RADIO CORP.

48, 4C, 4H, 4D	W-24	C-24	SW.	V. C.	7,500-U	\$1.00
4F, 5L, 4J, 4W	W-24	C-24	SW.	V. C.	7,500-U	1.00
5B, 5D, 5W, 5X		C-63	PL.	V. C.	1,000,000-Z	1.00
5B, 5D, 5W, 5X		C-64	SW.	T. C.	250,000-Z	1.00
6W, 6X, 7A		C-63	PL.	V. C.	1,000,000-Z	1.00
6W, 6X, 7A		C-64	SW.	T. C.	250,000-Z	1.00
503, 1200		C-46	PL.	T. C.	50,000-Z	1.00
1200		C-64	SW.	V. C.	250,000-Z	1.00
1200	W-38	C-38	PL.	N. S.	20,000-V	1.00

DE WALD

UNITED SCIENTIFIC LABS.

AC145, AC245, AC171-2, DC173-4, DC273	W-28	C-28	PL.	V. C.	10,000-N	\$1.00	
AC524, 632, 724, DC727	W-28	C-28	PL.	V. C.	10,000-N	1.00	
14-45, 24-45	W-20		PL.	V. C.	5,000-U	1.00	
AC447M, 637-8	W-36	X-448	SW.	V. C.	20,000-S	2.00*	
DC532-3, AC547, AC547-A, 735	W-19	X-457	SW.	V. C.	5,000-S	2.00*	
535-6, 547	W-19	X-172	SW.	V. C.	5,000-S	2.00*	
724-1, 56, 58R, 58L, 59, 425R	W-29	C-29	SW.	V. C.	10,000-U	1.00	
440, 501, 553-4-S	W-29	C-29	SW.	V. C.	10,000-U	1.00	
AC746-7M	W-20	C-20	SW.	V. C.	5,000-U	1.00	
40, BAH	W-24	X-455	SW.	V. C.	7,500-U	2.00*	
54 Dynette		C-27	X-488	SW.	V. C.	10,000-S	2.00*
BAC	W-24		X-453	SW.	V. C.	7,500-U	2.00*
KAD	W-33		X-454	SW.	V. C.	15,000-U	2.00*
BAG	W-24		X-456	SW.	V. C.	7,500-U	2.00*
KAF, KRE	W-33		X-452	SW.	V. C.	15,000-U	2.00*
51	W-24		X-450	SW.	V. C.	7,500-U	2.00*
53	W-33	C-33		SW.	V. C.	15,000-U	1.00
50	W-24		X-449	SW.	V. C.	7,500-U	2.00*
52 (auto)			C-60	PL.	V. C.	500,000-Z	1.00
60 EX			C-44	SW.	V. C.	50,000-S	1.00
80, 81, 81R, 100, 500A, 802, 811A			C-60	SW.	V. C.	500,000-Z	1.00
62 Battery			C-63	PL.	V. C.	1,000,000-Z	1.00
BAH-9	W-24	C-24		SW.	V. C.	7,500-U	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	Flow Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

DE WALD
UNITED SCIENTIFIC LABS. (Continued)

503-4, 555, 600.....	W-37	C-37	SW.	V. C.	20,000-U	\$1.00	
42, 42R, 54, 55.....	W-27	C-27	X-509	SW.	V. C.	10,000-S	2.00*
505-R, 609 (1935).....			X-510	SW.	V. C.	20,000-“TL”	2.00
401.....			X-511	SW.	V. C.	500,000-“TR2”	2.00
610, 610LW (1935).....		C-60	X-512	SW.	V. C.	500,000-Z	2.00*
BAM.....		C-46		SW.	V. C.	50,000-Z	1.00
BAK.....			X-527	SW.	V. C.	200,000-Z	2.00
533-A.....			X-528	SW.	V. C.	Spec.	2.00
580R.....			X-529	SW.	V. C.	20,000-“TL”	2.00
55RR, 55X.....	W-27	C-27	X-530	SW.	V. C.	10,000-S	2.00*
509.....	W-29	C-29	X-531	SW.	V. C.	10,000-U	2.00*
505-R.....			X-532	SW.	V. C.	10,000-“TR”	2.00
62 (Special Switch).....		C-63	X-533	SW.	V. C.	1,000,000-“TL”	2.00*
41 (Special Switch).....			X-534	SW.	V. C.	25,000-“TL”	2.00
547, 735, LW15.....	W-19		X-171	SW.	V. C.	5,000-S	2.00*
430.....	W-27	C-27	X-535	SW.	V. C.	10,000-S	2.00*
BLG.....			X-537	SW.	V. C.	7,500-“TL”	2.00
640 (auto).....		C-60	X-513	SW.	V. C.	500,000-Z	2.00*
505, 507.....			X-514	SW.	V. C.	20,000-“TL”	2.00
502.....			X-515	SW.	V. C.	500,000-“TR2”	2.00
506.....			X-516	SW.	V. C.	500,000-“TR2”	2.00
505.....			X-517	SW.	V. C.	20,000-“TL”	2.00
570, 630.....			X-518	SW.	V. C.	25,000-“TL”	2.00
61.....	C-60		X-520	SW.	V. C.	500,000-Z	2.00*
605 (auto).....	C-60		X-521	SW.	V. C.	500,000-Z	2.00*
402 (1935).....			X-522	SW.	V. C.	20,000-“TL”	2.00
BAM, BAK.....			X-523	PL.	T. C.	Spec.	1.50
604.....			X-519	PL.	T. C.	50,000-“TL”	1.50
724-1.....		C-46		PL.	T. C.	50,000-Z	1.00
81R, 811A.....	W-32	C-32		PL.	T. C.	15,030-S	1.00
570, 600, 630.....		C-46		PL.	T. C.	50,000-Z	1.00
60.....			X-538	SW.	V. C.	10,000-“TL”	2.00
570 (Late).....			X-539	SW.	V. C.	3,000-“TL”	2.00
BADC.....	W-27	C-27	X-540	SW.	V. C.	10,000-S	2.00*
510 (1935).....			X-558	SW.	V. C.	20,000-Sp.ta.	2.00
611, 611LW, (1935).....	W-29	C-29	X-559	SW.	V. C.	10,000-U	2.00*
612, 612LW, 615, 615LW (1935).....			X-510	SW.	V. C.	20,000-“TL”	2.00
804, 805 (1935).....		C-50		SW.	V. C.	500,000-Z	1.00
804, 805 (1935).....	C-60			PL.	T. C.	500,000-Z	1.00
1514.....			X-718	SW.	V. C.	1,700-Sp.ta.	2.00

ECHOPHONE RADIO MFG. LTD.

S3 - S4.....	W-12	C-12	SW.	V. C.	2,000-L	\$1.00
S5 (Dynatron Oscillator).....	W-33	C-33	SW.	V. C.	15,000-U	1.00
S5 (Dynatron Oscillator).....	W-37	C-37	PL.	T. C.	20,000-U	1.00
S5 (Superhet) F, Echoette (40), 60, 80, 90.....	W-37		PL.	V. C.	20,000-U	1.00
S5 (Superhet) F.....	W-37	C-37	SW.	T. C.	20,000-U	1.00
60, 80, 90.....		C-46	SW.	V. C.	50,000-Z	1.00
5, 14, 10, 15, 20, 16, 17, 18, 35, 36, 81, 143, 124, 126, 119, 139, 139-C (1935).....		C-60	SW.	V. C.	500,000-Z	1.00
5, 14, 10, 15, 20, 16, 17, 18, 50, 70, 81, 90 (rev).....	W-37	C-37	PL.	T. C.	20,000-U	1.00
12, 38.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
35, 36.....		C-60	PL.	T. C.	500,000-Z	1.00
4, 44, 70.....	W-37	C-37	SW.	V. C.	20,000-U	1.00
50, 90 (Rev).....	W-29	C-29	SW.	V. C.	10,000-U	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

ECHOPHONE RADIO MFG. LTD. (Continued)

128, 111	C-54	PL.	V. C.	200,000-V	\$1.00
119, 124	C-46	PL.	T. C.	50,000-Z	1.00

EDISON, THOMAS A., INC.

R1, R2, C2, Splitdorf M5 (Front Dual) Shaft	X-302	PL.	V. C.	3,000-“TL”	\$1.50	
R1, R2, C2, Splitdorf M5 (Rear).....	X-300	PL.	V. C.	2,000-“TL”	1.50	
Abbey Jr. Midget.....	X-757	PL.	V. C.	10,000-“TR”	1.50*	
C4, R4, R5	X-757	PL.	V. C.	10,000-“TR”	1.50*	
Abbey	C-60	X-758	PL.	V. C.	500,000-“TL”	1.50*
M6, C1, SC, E-175.....	C-15	X-759	PL.	Regen	3,000-S	1.50*

ELECTRICAL RESEARCH LAB.

“ERLA”

245	W-23	X-178	SW.	V. C.	7,500-S	\$2.00*	
61, 62, 63, 81P, 82P, 30 (248).....	W-30	C-30	SW.	V. C.	10,000-V	1.00	
224B	W-19	C-19	SW.	V. C.	5,000-S	1.00	
225, 271, 271A		X-180	SW.	V. C.	P-5,000-S	3.00	
					R-10,000-“TL”		
35, 37, 38, 39, 230.....	C-64		PL.	V. C.	250,000-Z	1.00	
71, 72, 73, SG.....		X-179	SW.	V. C.	P-5,000-S	3.00	
					R-10,000-“TL”		
R2, R3	W-28	C-28	PL.	V. C.	10,000-N	1.00	
31, 32		C-48	X-229	PL.	V. C.	75,000-V	1.50*
224 AC	W-19	C-19	PL.	V. C.	5,000-S	1.00	
231 DC		C-45	SW.	V. C.	50,000-W	1.00	
336	W-29	C-29	SW.	V. C.	10,000-U	1.00	
603, 5700, 5721.....		C-60	SW.	V. C.	500,000-Z	1.00	
6100	W-33	C-33	PL.	V. C.	15,000-U	1.00	
6300, 6315, 6317, 6323.....		C-64	SW.	V. C.	250,000-Z	1.00	
French H1, Junior, Midget, 210.....		X-180	SW.	V. C.	P-5,000-S	3.00	
					R-10,000-“TL”		
7700, 7732, 7741.....	C-60		Spec.	V. C.	500,000-Z	1.00	
			DPST				
			SW				
230	C-63		PL.	T. C.	1,000,000-Z	1.00	
81P, 82P, 30 (248) 6300, 6315, 6317, 6323	C-46		PL.	T. C.	50,000-Z	1.00	

EDISON-BELL CO.

36	W-30		SW.	V. C.	10,000-V	\$1.00
36		C-46	PL.	T. C.	50,000-Z	1.00
53, 53LW		C-46	SW.	V. C.	50,000-Z	1.00
55AW, 63, 63LW, 66AW		C-60	SW.	V. C.	500,000-Z	1.00

ELECTRIC AUTO LITE

062A, 3622A, 072A, 3722A	C-60	PL.	V. C.	500,000-Z	\$1.00
062A, 3622A, 072A, 3722A	C-51	PL.	T. C.	100,000-Z	1.00

ELECTRIC & AUTOMOTIVE PROD. CO.

25AW, SW-6	C-60	SW.	V. C.	500,000-Z	\$1.00	
4M, IL-55, IL-5, 303	W-37	C-37	SW.	V. C.	20,000-U	1.00
30AW, 6AW, 35AW		C-60	SW.	V. C.	500,000-Z	1.00
303LW, SW, 405, 405LW	W-37	C-37	SW.	V. C.	20,000-U	1.00

EL-REY RADIO MFG. CO.

10, 15	W-37	C-37	SW.	V. C.	20,000-U	\$1.00
15, 20, 845, 7AW, 644.....		C-40	PL.	T. C.	25,000-S	1.00
20, 7AW		C-64	SW.	V. C.	250,000-Z	1.00
7AW	W-17		PL.	Sen.Con.	3,000-V	1.00
644, 845		C-60	SW.	V. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
EMERSON RADIO & PHONOGRAPH CORP.							
409, 410, 411 (A4) Mickey Mouse.....		X-116	SW.	V. C.	20,000-S-MR	\$2.00	
BAC-10	C-60	X-463	SW.	V. C.	500,000-Z	2.00*	
G-4 Chassis, Models 20A, 25A Universal Compact	C-54	X-466	SW.	V. C.	200,000-V	2.00*	
24 Chassis 4-B.....		X-547	SW.	V. C.	7,500-U	2.00	
35 (T6)	C-60		SW.	V. C.	500,000-Z	1.00	
38, 42 Chassis U6D.....		X-549	SW.	V. C.	75,000-Sp.ta.	2.00	
39-59 Chassis D-S5		X-506	SW.	V. C.	P-500,000-Z R-250,000-V	3.00	
40, 375, Chassis W6L, M-AC-7 Above No. L129, 240, 77.....		X-204	SW.	V. C.	1,000,000-"TL"	2.00	
45, Chassis 6-BD		X-544	SW.	V. C.	5,000-"TL"	2.00	
71, 770, Chassis AW-7, 375 LW.....	C-63		SW.	V. C.	1,000,000-Z	1.00	
415, 416, 416 (revised), 420 (V4) V-4-LA, V4B		X-195	SW.	V. C.	20,000-S	2.00	
667, 965 (auto).....		X-503	SW.	V. C.	1,000,000-"TL"	2.00	
F	W-20	X-122	SW.	V. C.	5,000-U	2.00*	
65	W-8	X-247	PL.	V. C.	1,000-S	1.50*	
L-AC-4		X-460	SW.	V. C.	5,000-"TL"	2.00	
L-DC-4		X-458	SW.	V. C.	5,000M-"TL"	2.00	
L-AC-5		X-461	SW.	V. C.	5,000-"TL"	2.00	
L-AC-7, M-AC-7, (Early).....	W-20	X-462	SW.	V. C.	5,000-U	2.00*	
T, TS, JS	W-24	X-459	SW.	V. C.	7,500-U	2.00*	
KS, C, CS	W-29	C-29	SW.	V. C.	10,000-U	1.00	
AW 55	W-34	C-34	SW.	V. C.	15,000-V	1.00	
M-AC-7, L-755, 50L, S-755, S-50, Chassis S-7	W-19	X-491	SW.	V. C.	5,000-S	2.00*	
M755, 50M	W-19	X-491	SW.	V. C.	5,000-S	2.00*	
H-5S, 30AW, 31AW, 33AW, 250AW, 321AW, 330AW, 350AW		X-116	SW.	V. C.	20,000-S-MR	2.00	
33LW, 30LW, 250LW, 321LW, 350LW		X-116	SW.	V. C.	20,000-S-MR	2.00	
629		X-742	PL.	V. C.	7,500-"TL"	1.50	
100A, F		X-743	SW.	V. C.	7,500-"TL"	2.00	
678 Type 1 & 2 (Auto)		X-205	SW.	V. C.	200,000-S	2.00	
26, D-AC-5		X-502	SW.	V. C.	20,000-"TL"	2.00	
28 Chassis 51 (5J)		X-543	SW.	V. C.	20,000-Sp.ta.	2.00	
B-AC-10	W-42	X-464	PL.	T. C.	30,000-S	1.50*	
JS-53	W-42	X-490	PL.	T. C.	30,000-S	1.50*	
M-AC-7, L-755, 50M, 50L	W-42	X-492	PL.	T. C.	30,000-S	1.50*	
678 (Auto)		X-545	PL.	T. C.	15,000-DTC	1.50	
71, 770, (AW7)	W-42		PL.	T. C.	30,000-S	1.40	
B-AC-10	W-20	X-465	PL.	N. S.	6,000-"TL"	1.50*	
678 (Auto)		X-546	PL.	N. S.	1,000-(MH)	.75	
U5A	C-60	X-551	SW.	V. C.	500,000-Z	2.00*	
H5L	C-36	X-552	SW.	V. C.	20,000-S-MR	2.00*	
5A, 6A (Auto) (1935)	C-60		SW.	V. C.	500,000-Z	1.00	
19, Chassis UV-4 (1935)		X-541	SW.	V. C.	25,000-"TR"	2.00	
32, Chassis U-5-S (1935)	C-60	X-551	SW.	V. C.	500,000-Z	2.00*	
34C, 101 Chassis C-6, D-6	C-64		PL.	V. C.	250,000-Z	1.00	
34C, 101 Chassis C-6, D-6	C-64		SW.	T. C.	250,000-Z	1.00	
36, Chassis B-5 (1935)		X-550	SW.	V. C.	5,000-"TL"	2.00	
103, Chassis F-5 (1935)	C-60		SW.	V. C.	500,000-Z	1.00	
38, 42, 49 Chassis U-6 (1935)	C-60		SW.	V. C.	500,000-Z	1.00	
105, Chassis A-11 (1935)	C-60		SW.	T. C.	500,000-Z	1.00	
106, Chassis U-6-B (1935)	C-60		SW.	V. C.	500,000-Z	1.00	
107, 111, Chassis U-6-A (1935)	C-60		SW.	V. C.	500,000-Z	1.00	
107, 111, Chassis U-6-A (1935)	C-64		PL.	T. C.	250,000-Z	1.00	
108, 110, Chassis U-5-A	C-60		SW.	V. C.	500,000-Z	1.00	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

EMPIRE ELECTRIC PRODUCTS

10	C-59	SW.	V. C.	200,000-V	\$1.00		
20	C-54	X-402	SW.	V. C.	200,000-V-MR	2.00*	
30		X-472	SW.	V. C.	35,000-MR	2.00	
40		C-60	X-409	PL.	V. C.	500,000-Z	1.50*
40SW, 60, 71		C-60		SW	V. C.	500,000-Z	1.00
51		C-60		PL.	V. C.	500,000-Z	1.00
74, 575	W-29	C-29	X-471	SW.	V. C.	10,000-U	2.00*
400DC, 500DC, 550AC, 700DC	W-29	C-29		SW.	V. C.	10,000-U	1.00
400AC, 500AC, 600MC	W-30	C-30		SW.	V. C.	10,000-V	1.00
500AC, 550AC, 600AC, 575, 700DC		C-46		PL.	T. C.	50,000-Z	1.00
450A, 460B, 470C, 480C		C-60		SW.	V. C.	500,000-Z	1.00

EVEREADY
NATIONAL CARBON CO.

1, 2, 3		X-123	PL.	V. C.	10,000-Sp.TL	\$1.50
30, 30C, 40		X-183	PL.	V. C.	600-S	1.50
50 (original unit composition)		X-184	PL.	V. C.	P-10,000-"TR"	2.50
					R-20,000-S	
50 (original unit wire wound)		X-421	PL.	V. C.	P-600-"TL"	2.50
					R-3,000-S	

FADA RADIO & ELECTRIC CO.

10, 11, 30, 31, 10Z, 11Z, 30Z, 31Z		X-301	PL.	V. C.	10,000-Sp.TL	\$1.50		
50, 70, 71, 475-UA, 265-UA		X-301	PL.	V. C.	10,000-Sp.TL	1.50		
16, 17, 32, 16Z, 32Z, 18DC,	W-28	C-28	X-169	PL.	V. C.	10,000-N	1.50*	
20, 20Z, 25, 25Z, 15M, 15MZ, 75, 77			X-111	PL.	V. C.	3,000-"TR"	1.50	
35, 35Z			X-310	PL.	V. C.	3,000-"TL"	1.50	
35B			X-309	PL.	V. C.	P-3,000	2.50	
					R-10,000			
40			X-427	PL.	V. C.	P-10,000-N	2.50	
					R-25,000-S			
42, 44, 46, 41, 47, 81, 82, 84, 86		C-63	X-417	PL.	V. C.	1,000,000-Z	1.50*	
43			X-396	PL.	V. C.	P-3,000-S	2.50	
					R-10,000-"TL"			
KU45, KX61, 66	W-23		X-109	SW.	V. C.	7,500-S	2.00*	
KW48, 49		C-60	X-107	SW.	V. C.	500,000-Z	2.00*	
KO-51	W-23		X-110	PL.	V. C.	7,500-S	1.50*	
RG-55	W-29		C-29	X-489	SW.	10,000-U	2.00*	
RN Chassis Models 105, 106, 107			C-61	X-496	SW.	V. C.	1,000,000-S	2.00*
RY, NE, KY, 66, RV, RU-131, 132			C-61	X-496	SW.	V. C.	1,000,000-S	2.00*
RX, RS112			C-61	X-496	SW.	V. C.	1,000,000-S	2.00*
NA Chassis			C-63	X-171	SW.	V. C.	1,000,000-Z	2.00*
RW Chassis			C-63	X-176	SW.	V. C.	1,000,00-Z	2.00*
RA Chassis 74, 76, 83, 88, 89, RE, 73-85			C-64		SW.	V. C.	250,000-Z	1.00
RO Chassis			C-63	X-234	SW.	V. C.	1,000,000-"TL"	2.00*
KE Chassis 122	W-39		C-39		PL.	V. C.	20,000-W	1.00
26, 36, 262, 265	W-28		C-28		PL.	V. C.	10,000-N	1.00
RC Chassis 78, 89, RK-101, RP-102			C-60		SW.	V. C.	500,000-Z	1.00
RL Chassis Fadalette, 103	W-29		C-29		SW.	V. C.	10,000-U	1.00
KOC-171, 173, 53, 57	W-23			X-109	SW.	V. C.	7,500-S	2.00*
RW Chassis			C-54	X-177	PL.	T. C.	200,000-V	1.50*
RU Chassis			C-55	X-182	PL.	T. C.	250,000-S	1.50*
NA Chassis			C-64	X-186	PL.	T. C.	250,000-Z	1.50*
NF Chassis			C-53	X-242	PL.	T. C.	200,000-Z	1.50*
15Z			C-64		PL.	T. C.	250,000-Z	1.00
RU, 131-132, RS112, 151, 152			C-55	X-182	PL.	T. C.	250,000-S	1.50*
KW48, 49, Fl-O-Gr	W-23			X-108	PL.	Fl-O-Gr	7,500-S	1.50*
RC78, 79, RA Chassis, 74, 76, 83, 88, 89	W-42				PL.	Fl-O-Gr	30,000-S	1.30
RW Chassis	W-27				PL.	Fl-O-Gr	10,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls



for control precision

MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

FADA RADIO & ELECTRIC CO. (Continued)

RC, 78, 79.....	W-27		PL.	S.T.C.	10,000-S	\$1.00	
150 (2 types)		C-60	SW.	V. C.	500,000-Z	1.00	
155, 156, 157.....	W-29	C-29	SW.	V. C.	10,000-U	1.00	
160, 170		C-63	SW.	V. C.	1,000,000-Z	1.00	
190, 1582, 1583		C-63	PL.	V. C.	1,000,000-Z	1.00	
1462		C-60	SW.	V. C.	500,000-Z	1.00	
131AC-DC, 132AC-DC, 151, 152, NE, RU		C-61	X-805	SW.	V. C.	1,000,000-S	1.50*

FAIRBANKS-MORSE HOME APP. INC.

40	W-28	C-28	SW.	V. C.	10,000-N	\$1.00
41, 56, 54, 63, 71.....		C-60	SW.	V. C.	500,000-Z	1.00
63, 54, 71.....		C-60	PL.	T. C.	500,000-Z	1.00
64		C-60	PL.	V. C.	500,000-Z	1.00
64, Chassis 81.....		C-46	PL.	T. C.	50,000-Z	1.00
82, 90, 100, 110.....		C-64	SW.	V. C.	250,000-Z	1.00
82, 90, 100, 110.....		C-51	PL.	T. C.	100,000-Z	1.00
60 Chassis, 62 Chassis.....		C-64	PL.	V. C.	250,000-Z	1.00
60 Chassis, 62 Chassis.....		C-46	SW.	T. C.	50,000-Z	1.00
81 Chassis		C-60	Sp. SW.	V. C.	500,000-Z	1.00
61 (32 Volt).....		C-60	PL.	V. C.	500,000-Z	1.00
61 (32 Volt).....		C-46	PL.	T. C.	50,000-Z	1.00

FEDERAL RADIO CORP.

D, E	W-44		SW.	V. C.	50,000-S	\$1.40
F, G, H, K, M.....		C-60	PL.	V. C.	500,000-Z	1.00

FEDERATED PURCHASER
"ACRATONE"

Acratone 2, 5.....	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
Cathedral Tone "Melorad".....		C-60	PL.	V. C.	500,000 Z	1.00
Acratone 17, 7A, 13A, 24A, 14A, 6A, 12A.....		C-60	SW.	V. C.	500,000-Z	1.00
31 - 40	W-30	C-30	PL.	V. C.	10,000-V	1.00
8A	W-30	C-30	SW.	V. C.	10,000-V	1.00
32A, 36A, 52A.....	W-37	C-37	SW.	V. C.	20,000-U	1.00
38-A		C-45	SW.	V. C.	50,000-W	1.00
39-A, 43-A, 44-A, 86, 87, 79, 80.....		C-60	PL.	V. C.	500,000-Z	1.00
53, 54, 58, 59, 100.....	W-29	C-29	PL.	V. C.	10,000-U	1.00
92 (Auto)		C-60	SW.	V. C.	500,000-Z	1.00
93, 94, 96, 97, 228, 229.....		C-60	PL.	V. C.	500,000-Z	1.00
Acratone 17		C-64	PL.	T. C.	250,000-Z	1.00
31 - 40		C-60	SW.	T. C.	500,000-Z	1.00
7A, 13A, 24A, 14A, 6A, 12A.....		C-51	PL.	T. C.	100,000-Z	1.00
32A, 36A		C-64	PL.	T. C.	250,000-Z	1.00
38A		C-46	PL.	T. C.	50,000-Z	1.00
39A, 43A, 44A, 86, 87.....	W-27	C-27	SW.	T. C.	10,000-S	1.00
79, 80		C-60	SW.	T. C.	500,000-Z	1.00
92 (Auto)		C-32	PL.	T. C.	15,000-S	1.00
93, 94, 96, 97.....	W-27	C-27	SW.	T. C.	10,000-S	1.00
6A, 12A	W-36		PL.	N. S.	20,000-S	1.00
79, 80	W-23		PL.	N. S.	7,500-S	1.00
65, 66 (1935)	W-37	C-37	PL.	V. C.	20,000-U	1.00
88 (1935)	W-16	C-16	SW.	V. C.	3,000-U	1.00
Royal 9A (1935)	W-37	C-37	SW.	V. C.	20,000-U	1.00
228, 229 (1935).....		C-60	PL.	T. C.	500,000-Z	1.00

FORDSON RADIO MFG. CO.

Goldentone 6T		C-51	SW.	V. C.	100,000-Z	\$1.00
FP (330001-up)		C-64	PL.	V. C.	250,000-Z	1.00
FP Battery (173501-up)		C-64	PL.	V. C.	250,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

FORDSON RADIO MFG. CO. (Continued)

FP 32 Volt (350001-up)		C-64	PL.	V. C.	250,000-Z	\$1.00
FR (189001-up)	W-29	C-29	PL.	V. C.	10,000-U	1.00
FU (AC-DC) FV		C-49	SW.	V. C.	100,000-S	1.00
FW		C-60	SW.	V. C.	500,000-Z	1.00
FP, FP Battery, FP 32V, FR		C-51	SW.	T. C.	100,000-Z	1.00
FW		C-51	PL.	T. C.	100,000-Z	1.00

FRANKLIN RADIO CORP.

53	W-33	C-33	SW.	V. C.	15,000-U	\$1.00
54, 54L, 200		C-60	SW.	V. C.	500,000-Z	1.00
63L, 64, 102, 104, 105, 106, 6 tube super	W-29	C-29	SW.	V. C.	10,000-U	1.00
43AB, CL	W-37	C-37	SW.	V. C.	20,000-U	1.00
94		C-64	PL.	V. C.	250,000-Z	1.00
100 (Auto)	W-29	C-29	PL.	V. C.	10,000-U	1.00
64		C-51	PL.	T. C.	100,000-Z	1.00
6 tube Super, 63, 106		C-66	PL.	T. C.	2,000,000-Z	1.00
104	W-27	C-27	PL.	T. C.	10,000-S	1.00
94		C-60	PL.	T. C.	500,000-Z	1.00
94 Sensitivity Control	W-30	C-30	SW.	S. C.	10,000-V	1.00

FREED EISEMANN RADIO CORP.

"FREED TELEVISION & RADIO CORP."

NR60, NR57		C-64	PL.	V. C.	250,000-Z	\$1.00	
NR-78 (AC), NR79, NR90, NR95		C-48	PL.	V. C.	75,000-V	1.00	
NR80, NR85, 470	W-9	C-9	PL.	V. C.	1,000-L	1.00	
62		C-64	PL.	V. C.	250,000-Z	1.00	
58, 51DC, FE63		C-37	SW.	V. C.	20,000-U	1.00	
54, 56, 59, MB-5		C-30	SW.	V. C.	10,000-V	1.00	
72, 74, MB-7, MB-9, 90, 91DC, 92 (AC)		C-30	SW.	V. C.	10,000-U	1.00	
FE-99DC		C-30	SW.	V. C.	10,000-V	1.00	
FE-96-DC	W-38	X-328	SW.	V. C.	20,000-V	2.00*	
FE-98		X-356	SW.	V. C.	10,000-"TR"	2.00	
346-4, 354, 355, 360, 360X, 365, 365X	W-29	C-29	SW.	V. C.	10,000-U	1.00	
58		C-46	PL.	T. C.	50,000-Z	1.00	
72, 74, MB-7, MB-9, 90, FE63		C-51	PL.	T. C.	100,000-Z	1.00	
NR-55, NR-56		X-799	PL.	V. C.	P-250,000-S R-10,000-"TL"	2.50	
356		C-16	X-705	SW.	V. C.	3,500-U	2.00*
356		C-51	X-706	PL.	T. C.	100,000-Z	1.50*
S17		C-20	X-707	SW.	V. C.	4,000-U	2.00*
S17		C-51	X-708	PL.	T. C.	100,000-Z	1.50*
42		C-27	X-709	SW.	V. C.	10,000-S	2.00*
357			X-710	SW.	V. C.	75,000-"TR"	2.00*
Special		C-51	X-711	PL.	V. C.	100,000-Z	1.50*
368			X-712	SW.	V. C.	75,000-"TR"	2.00
340, 341, 342, 351		C-70	X-713	SW.	V. C.	25,000-S	2.00*
S1		C-70	X-714	SW.	V. C.	25,000-S	2.00*
342 AC		C-40	X-715	SW.	V. C.	25,000-S	2.00*
72		C-60	X-716	SW.	V. C.	500,000-Z	2.00*
Special			X-717	SW.	V. C.	75,000-"TR"	2.00
FE96-DC		C-46	X-329	PL.	T. C.	50,000-Z	1.50*
FE-98		C-51	X-357	PL.	T. C.	100,000-Z	1.50*

CHARLES FRESHMAN, INC.

G (Early) 2N, M, N, Q15, Q16, 3Q	W-9	C-9	PL.	V. C.	1,000-L	\$1.00
G, H, K, L, LS		C-60	PL.	V. C.	500,000-Z	1.00
31, 24, 21, 33DC		C-64	PL.	V. C.	250,000-Z	1.00
31, 32, 41		C-48	PL.	V. C.	75,000-V	1.00
Freshman N		X-209	PL.	V. C.	2,000-"TL"	1.50

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls  *for control precision*

MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
FROST MINTON							
4PW, FM-5, FM-4.....	W-29	C-29		SW.	V. C.	10,000-U	\$1.00
GAMBLE-SKOGMO, INC.							
20C-7, 20C-8, 26S-1 (Auto).....		C-66		SW.	V. C.	2,000,000-Z	\$1.00
20C-7, 20C-8		C-67		PL.	T. C.	3,000,000-Z	1.00
26S-1 (Auto)		C-64		PL.	T. C.	250,000-Z	1.00
77, 550, 780, 780B,.....		C-60		PL.	V. C.	500,000-Z	1.00
27C-1, 27C-5		C-63		PL.	V. C.	1,000,000-Z	1.00
430	W-28	C-28		PL.	V. C.	10,000-N	1.00
540, 670 (Auto), 675		C-60		SW.	V. C.	500,000-Z	1.00
575		C-48		SW.	V. C.	75,000-V	1.00
GAROD RADIO CO.							
25, 27, 33, 33LW.....		C-60		SW.	V. C.	500,000-Z	\$1.00
58	W-17	C-17		SW.	V. C.	3,000-V	1.00
66, 83, 83LW.....		C-60		SW.	V. C.	500,000-Z	1.00
25, 27, 33, 33LW		C-51		PL.	T. C.	100,000-Z	1.00
58, 66, 83, 83LW		C-51		PL.	T. C.	100,000-Z	1.00
GENERAL ELECTRIC CO.							
J-70, J-75, S-22, S-22X.....	W-19	X-368	PL.	V. C.	4,350-S	\$1.50*	
S-22 (2), S-42.....	W-19	X-368	PL.	V. C.	4,350-S	1.50*	
T-12, T-12D, T-12E.....	W-37	C-37	PL.	V. C.	20,000-U	1.50*	
J-80, S-132, K-62, J-85, KZ-62-P.....	W-34	X-369	PL.	V. C.	13,000-"TR"	1.50*	
BX, K41, K40-A, K40, M40.....		C-54	X-367	PL.	V. C.	200,000-V	2.00*
SZ-42-P.....	W-19	X-607	SW.	V. C.	4,350-S	1.50*	
H32, H72		C-368	PL.	V. C.	50,000-"TL"	1.50*	
JZ-835	W-34	C-45	X-366	PL.	V. C.	13,000-"TR"	1.50*
B1, B2		C-45	X-367	PL.	V. C.	50,000-W	1.00
L-50, L-51, L-53	W-19	X-609	SW.	V. C.	4,500-S	2.00*	
JZ-822, J-82, J-86, J-100.....		C-45	X-608	PL.	V. C.	50,000-"TL"	1.50
JZ-822-A, (47).....	W-30	C-30		PL.	V. C.	10,000-V	1.00
K-50, K-50-P, K-51-P, K-54-P.....	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
A-90		C-40	X-611	PL.	V. C.	50,000-S	1.50*
A-81		C-63		PL.	V. C.	1,000,000-Z	1.00
A-60		C-63	X-616	PL.	V. C.	1,000,000-Z	1.50*
B-40, C-41 (Auto).....		C-53	X-536	SW.	V. C.	200,000-Z	2.00*
K-54	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
S-42-B		C-44		PL.	V. C.	50,000-S	1.00
T-41			X-257	PL.	V. C.	P-10,000-"TL" R-10,000-"TL"	2.50
J-72	W-25	C-25		PL.	V. C.	7,500-V	1.00
J-83 (47)	W-30	C-30		PL.	V. C.	10,000-V	1.00
J-83-A (2A5)		C-66		PL.	V. C.	2,000,000-Z	1.00
J-87 (47)	W-30	C-30		PL.	V. C.	10,000-V	1.00
J-87-A (2A5)		C-66		PL.	V. C.	2,000,000-Z	1.00
J-105, J-107		C-45	X-608	PL.	V. C.	50,000-"TL"	1.50*
H-31, H-51, H-71.....	W-19	X-191		SW.	V. C.	3,600-S	2.00*
C-30		C-54		PL.	V. C.	200,000-V	1.00
K-43, M-41, M-42	W-21	C-21		SW.	V. C.	5,000-V	1.00
K-52, K53, K-53M	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
L-52	W-19	C-19		SW.	V. C.	5,000-S	1.00
B-52		C-53		PL.	V. C.	200,000-Z	1.00
C-62	W-44	C-44		PL.	V. C.	50,000-S	1.00
C-70, C-75		C-64		PL.	V. C.	250,000-Z	1.00
B-81, B-86		C-45	X-612	PL.	V. C.	50,000-"TL"	1.50*
K-55, K-58	W-15	X-613		SW.	V. C.	3,000-S	2.00*
K-48		C-44		SW.	V. C.	50,000-S	1.00
M-49	W-21	C-21		SW.	V. C.	5,000-V	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls  *for control precision*



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
GENERAL ELECTRIC CO. (Continued)							
K-48 (Phono Control).....	W-20	C 20	X-610	PL. Phono. Con.	5,000-“TL”	\$1.50*	
K-48 (Phono Control) J-72, J-105, J-107.....		C-60	SW.	T. C.	500,000-Z	1.00	
K-60, K-60-P, K-65, K-65-P.....		C-60	X-115	SW.	T. C.	500,000-“TL”	2.00*
J-125, J-125-A		C-60	X-618	PL.	T. C.	500,000-“TL”	1.50
J-87 (47)	W-30	C-30		PL. Sil Tuning	10,000-V	1.00	
M-106, M-107, M-125, M-89, M-129 (sen)	W-8			PL. Sen. Cont.	1,000-“S”	1.00	
K-62, S-22 (2), KZ-62-P.....		C-53	X-620	SW.	T. C.	200,000-Z	2.00*
K-64, K-64-D, M-65, M-68.....		C-51	X-621	SW.	T. C.	100,000-“TL”	2.00*
J-100		C-51	X-622	PL.	T. C.	100,000-Z	1.50*
J-86, J-82, JZ-822.....		C-45	X-623	PL.	T. C.	50,000-W	1.50*
K-63, M-63		C-51	X-624	SW.	T. C.	100,000-Z	2.00*
K-52, K-53, K-53-M.....		C-51	X-625	PL.	T. C.	100,000-Z	1.50*
JZ-822-A (47)		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
J-70, J-75, J-80, S-132		C-46	X-626	SW.	T. C.	50,000-Z	2.00*
J-85, JZ-835		C-46	X-626	SW.	T. C.	50,000-Z	2.00*
S-22, S-22-X		C-60		PL.	T. C.	500,000-Z	1.00
S-42-B	W-44	C-44		PL.	T. C.	50,000-Z	1.00
K-78		C-60	X-619	PL.	T. C.	500,000-Z	1.50*
K-54-P		C-68	X-606	PL.	T. C.	4,000,000-Z	1.50*
J-83, J-83-A, J-87, J-87-A		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
H-32, H-72		C-60	X-602	PL.	T. C.	500,000-Z	1.50*
K-106, K-106-P (Bass)		C-53	X-603	PL.	T. C.	200,000-Z	1.50*
K-106, K-106-P (Treble)		C-68	X-606	PL.	T. C.	4,000,000-Z	1.50*
K-107, K-105, K-126, M-128, M-128R (Treble)		C-68	X-606	PL.	T. C.	4,000,000-Z	1.50*
B-52		C-63		PL.	T. C.	1,000,000-Z	1.00
C-61		C-43		PL.	T. C.	40,000-S	1.00
M-61, M-67, M-66, M-69		C-51		PL.	T. C.	100,000-Z	1.00
C-70, C-75		C-60		PL.	T. C.	500,000-Z	1.00
M-81, M-86		C-63		SW.	T. C.	1,000,000-Z	1.00
K-66, K-66-M		C-51	X-617	SW.	T. C.	100,000-Z	2.00*
K-107, K-105, K-126, M-128, M-128-R (Bass)		C-53	X-603	PL.	T. C.	200,000-Z	1.50*
M-106, M-107 (Treble)		C-63		PL.	T. C.	1,000,000-Z	1.00
M-106, M-107, M-125, M-129 (Bass)		C-53		PL.	T. C.	200,000-Z	1.00
M-125, M-129 (Treble)		C-68		PL.	T. C.	4,000,000-Z	1.00
K-58, K-55		C-51	X-361	PL.	T. C.	100,000-“TL”	1.50*
M-89		C-63		SW.	T. C.	1,000,000-Z	1.00
J-83-A, J-87-A	W-25	C-25		PL.	N. S.	7,500-V	1.00
J-125		W-19		SW.	N. S.	5,000-S	1.00
K-106, K-106-P		W-19		PL.	N. S.	5,000-S	1.00
C-61		W-11	C-11	PL.	N. S.	2,000-S	1.00
K-107, K-105, K-126, M-128, M-128-R	W-19			PL.	N. S.	5,000-S	1.00
K-80, K-80X (Also Ext. IF types)		C-63	X-604	SW.	T. C.	1,000,000-Z	2.00*
K-85		C-63	X-604	SW.	T. C.	1,000,000-Z	2.00*
K-79		C-60	X-605	PL.	T. C.	500,000-“TL”	1.50*
C-67		C-51		PL.	T. C.	100,000-Z	1.00
K-88, K-88-X (Also Ext. IF types)		C-68		SW.	T. C.	4,000,000-Z	1.00
K-58, K-54, K-54-P	W-19			SW.	Phono Cont.	5,000-S	1.00
A-53 (July 1935)	W-21	C-21		SW.	V. C.	5,000-V	1.00
A-63, A-65 (July 1935)		C-64		SW.	V. C.	250,000-Z	1.00
A-64, A-67 (1935)	W-29	C-29		SW.	T. C.	10,000-U	1.00
A-70, A-5 (Sept. 1935)		C-51		SW.	T. C.	100,000-Z	1.00

GENERAL HOUSEHOLD UTILITIES CO. GRUNOW

500 (Chassis 5A).....	C-63	SW.	V. C.	1,000,000-Z	\$1.00	
501 (Chassis 5B).....	C-60	SW.	V. C.	500,000-Z	1.00	
502, 503 (Chassis 5C).....	W-24	C-24	PL.	V. C.	7,500-V	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

GENERAL HOUSEHOLD UTILITIES CO. (Continued)

1101 (Chassis 9-B, 2-A).....	C-66	PL.	V. C.	2,000,000-Z	\$1.00	
450 (4A).....	W-24	C-24	SW.	V. C.	7,500-U	1.00
460 (4B)	W-24	C-24	SW.	V. C.	7,500-U	1.00
550 (5B)		C-60	SW.	V. C.	500,000-Z	1.00
670, 671 (6D).....		C-63	PL.	V. C.	1,000,000-Z	1.00
1151, 1152 (11A).....		C-63	SW.	V. C.	1,000,000-Z	1.00
1101 (9-B2A Revised).....		C-66	PL.	V. C.-	2,000,000-Z	1.00
6G Chassis		C-64	SW.	V. C.	250,000-Z	1.00
700 (Chassis 7A) 701.....		C-53	PL.	T. C.	200,000-Z	1.00
801 (Chassis 8A).....		C-53	PL.	T. C.	200,000-Z	1.00
901, 902 (Chassis 9A).....		C-63	PL.	T. C.	1,000,000-Z	1.00
650, 651 (6A).....		C-53	PL.	T. C.	200,000-Z	1.00
660, 661, 662 (6C).....		C-53	PL.	T. C.	200,000-Z	1.00
670, 671, (6D).....		C-51	SW.	T. C.	100,000-Z	1.00
750, 751, 752, 753 (7B).....		C-63	SW.	T. C.	500,000-Z	1.00
1151, 1152 (11A).....		C-60	SW.	T. C.	500,000-Z	1.00
1101 (9-B2A Revised).....		C-63	PL.	T. C.	1,000,000-Z	1.00
470, Chassis 4C.....	W-24	C-24	PL.	V. C.	7,500-U	1.00
501, 520, 530, 550, Chassis 5B.....		C-60	SW.	V. C.	500,000-Z	1.00
560, Chassis 5E.....		C-60	SW.	V. C.	500,000-Z	1.00
570, 571, Chassis 5D.....		C-63	SW.	V. C.	1,000,000-Z	1.00
821, Chassis 8B, Models 1151, 1152, Revised 11A		C-63	SW.	V. C.	1,000,000-Z	1.00
821 Chassis 8B.....		C-51	PL.	T. C.	100,000-Z	1.00
861 Chassis 8D.....		C-60	SW.	V. C.	500,000-Z	1.00
861 Chassis 8D.....		C-51	SW.	S.B. T. C.	100,000-Z	1.00
1151, 1152, Chassis 11A (Final).....		C-60	PL.	T. C.	500,000-Z	1.00

GENERAL MOTORS RADIO CORP.

"DAY FAN"

Day-Fan 8, 25, 26, 27, 28, 35, 43, 48.....	W-28	C-28	PL.	V. C.	10,000-N	\$1.00	
5080, 5069, A5003, 5091, 5077.....	W-28	C-28	PL.	V. C.	10,000-N	1.00	
A5005, A5020, 93, 94AC.....		C-45	PL.	V. C.	50,000-W	1.00	
A, 120, 130, 140 above serial 29100.....		X-192	PL.	V. C.	P-10,000-"TL" R-100,000-"TR"	2.50	
216, 217, 219, 250, Chassis models S-1-A, S-1-B	W-33	C-33	X-334	SW.	V. C.	15,000-U	2.00*
251, 252, 253, 254, 255, 256, 257, 258, Chassis S-3-A, S-3-B	W-30	C-30	X-333	SW.	V. C.	10,000-V	2.00*
220, Chassis Models S-10-A, S-10-B, 220..		C-28	X-819	SW.	V. C.	10,000-"TL"	2.00*
Little General "MA", 110, 180, 190.....			X-170	PL.	V. C.	P-10,000-"TL" R-100,000-"TR"	2.50
S9A, S9B, 211, Chassis (E-Z).....			X-821	SW.	V. C.	45,000-"TL"	2.00*
5053, 5066, 5057, 32DC.....	W-40	C-40		PL.	V. C.	25,000-S	1.00
"A" below No. 29, 100A.....			X-193	PL.	V. C.	P-25,000-"TL" R-25,000-S	2.50
216, 251, S2A, S2B.....	W-27	C-27		SW.	V. C.	10,000-S	1.00
292, 293, Chassis S-4-A, S-4-B.....			X-820	SW.	V. C.	100,000-"TR"	2.00
251, 252, 253, 254, 255, 256, 257, 258.....		C-46	X-822	PL.	T. C.	60,000-S	1.50*
Chassis S-3A, S-3B.....		C-51	X-818	PL.	T. C.	100,000-"TL"	1.50*
S-2A, S-2B		C-51	X-818	PL.	T. C.	100,000-"TL"	1.50*
292, 293, Chassis S-4A, S-4B.....		C-46	X-822	PL.	T. C.	60,000-S	1.50*
M. A. 18.....	W-27	C-27		PL.	T. C.	10,000-S	1.00
200, 201, 110, 180, 190.....		C-46		PL.	T. C.	50,000-Z	1.00

GILFILLAN BROS.

33, 10, 100 Series.....	W-29	C-29	PL.	V. C.	10,000-U	\$1.00
60		C-58	SW.	V. C.	500,000-S	1.00
44		C-44	PL.	V. C.	50,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
GILFILLAN BROS. (Continued)							
105, 106, 107 (Early)	W-34	C-34		PL.	V. C.	15,000-V	\$1.00
6-T, 6-C		C-60		SW.	V. C.	500,000-Z	1.00
8-C, 8-T, 47, 50		C-60		SW.	V. C.	500,000-Z	1.00
30, 4-T	W-29	C-29		PL.	V. C.	10,000-U	1.00
32, 35, 41, 5-C, 5-T		C-60		SW.	V. C.	500,000-Z	1.00
5X, 34, 55A, 55B	W-33	C-33		PL.	V. C.	15,000-U	1.00
32, 35, 41, 5-C, 5-T, 6-T, 6C		C-46		PL.	T. C.	50,000-Z	1.00
8C, 8T, 47, 50		C-44		PL.	T. C.	50,000-S	1.00
35, 100 (P. P. 71's)	W-21	C-21		SW.	V. C.	5,000-V	1.00
42A, 55A, 55B, 52A, 54A	W-33	C-33		SW.	V. C.	15,000-U	1.00
43A, 410	W-29	C-29		PL.	V. C.	10,000-U	1.00
62BX, 78B, 78X, 510, 520		C-60		SW.	V. C.	500,000-Z	1.00
63B, 63X (AC), 515, 525		C-54		SW.	V. C.	200,000-V	1.00
62BX, 78B, 78X, 510, 520		C-46		PL.	T. C.	50,000-Z	1.00
116B, 116X, 117B, 117X (AC)		C-60		SW.	V. C.	500,000-Z	1.00
116B, 116X, 117B, 117X (AC)		C-53		PL.	T. C.	200,000-Z	1.00
715, 725		C-53		SW.	V. C.	200,000-Z	1.00
615, 625, 815, 825		C-60		SW.	V. C.	500,000-Z	1.00
815, 825		C-46		PL.	T. C.	50,000-Z	1.00
GOODYEAR SERVICE							
540, 670 (Auto), 675		C-60		SW.	V. C.	500,000-Z	\$1.00
575		C-48		SW.	V. C.	75,000-V	1.00
GRAYBAR ELECTRIC CO.							
GT-7, GC-13, GB-8, GB-8-A	W-19	X-368		PL.	V. C.	4,350-S	\$1.50*
GB-4	W-37	C-37	X-369	PL.	V. C.	20,000-U	1.50*
GT-8, GB-989, GB-9, GC-14			X-367	PL.	V. C.	13,000-"TR"	1.50
GB-310	W-12		X-255	PL.	V. C.	2,000-L	1.50*
GB-100		C-45	X-366	PL.	V. C.	50,000-"TL"	1.50*
GB-311	W-12		X-256	PL.	V. C.	2,000-L	1.50*
GB-500, GB-550	W-15		X-365	PL.	V. C.	2,900-S	1.50*
GB-678			X-257	PL.	V. C.	P-10,000-"TL" R-10,000-"TL"	2.50
GB-320	W-12		X-255	PL.	V. C.	2,000-L	1.50*
GB-330, GB-340	W-6			PL.	V. C.	500-S	1.00
GB-600	W-7			PL.	V. C.	750-S	1.00
GB-700, 770, 900	W-19		X-191	SW.	V. C.	3,600-S	2.00*
GB-9, GB-8-A			X-620	SW.	T. C.	200,000-Z	2.00
GT-7, GC-13, GT-8, GB-989, GC-14		C-46	X-626	SW.	T. C.	50,000-Z	2.00*
GB-8, GB-100		C-60		PL.	T. C.	500,000-Z	1.00
GREBE, A. H.							
SK-4	W-15		X-198	PL.	V. C.	2,800-S	\$1.50*
SK-4 (with tone control)	W-15		X-197	SW.	V. C.	2,800-S	2.00*
SK-4		C-51	X-467	PL.	T. C.	100,000-Z	1.50*
AH-1	W-8		X-196	SW.	V. C.	1,300-S	2.00*
AH-1		C-53	X-463	PL.	T. C.	200,000-Z	1.50*
HS-4 (PP'45)	W-20		X-203	SW.	V. C.	5,000-U	2.00*
HS-4 (Model 1-2) (Single Pentode)	W-19		X-201	SW.	V. C.	5,000-S	2.00*
HS-4 (Model 3-4) (PP-Pentode) HS-7	W-19		X-201	SW.	V. C.	5,000-S	2.00*
HS-4 (all) HS-5, HS-7, HS-8, HS-11		C-53	X-202	PL.	T. C.	200,000-Z	1.50*
HS-4 (M-5) HS-6, HS-8, HS-11, HS-12, H-112		C-60	X-199	SW.	V. C.	500,000-Z	2.00*
HS-6			X-200	PL.	V. C.	P-200,000-"TL" R-50,000	2.50
HS-3	W-29	C-29		SW.	V. C.	10,000-U	1.00
HS-12			X-200	PL.	T. C.	P-200,000-"TL" R-50,000	2.50
HS-12	W-19	C-19		PL.	N. S.	5,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

GREBE, A. H. (Continued)

HS-11	W-27	C-27		PL.	N. S.	10,000-S	\$1.00
89	W-19	C-19		SW.	V. C.	5,000-S	1.00
89		C-51		PL.	T. C.	100,000-Z	1.00
111-B		C-60		SW.	V. C.	500,000-Z	1.00
111-B		C-51		PL.	T. C.	100,000-Z	1.00
111-B	W-19	C-19		PL.	N. S.	5,000-S	1.00
GRIGSBY-GRUNOW CO. "MAJESTIC"							
70, 70B, 72		X-353		PL.	V. C.	10,000-"TL"	\$1.50
180, 181, 100 Chassis		X-352		PL.	V. C.	P-30,000-"TL"	2.50
						R-75,000-"TR"	
90, 100, 90B		X-350		PL.	V. C.	75,000-V	1.50
100B, 102, 103		X-351		PL.	V. C.	P-500,000-S	2.50
						R-25,000-"TR"	
130-A, 131, 132, 130 Chassis		X-354		PL.	V. C.	1,260-"TR"	1.50
20 Chassis 21, 22, 23	W-21	X-235		PL.	V. C.	5,000-"TR"	1.50*
230-A		X-355		PL.	V. C.	P-1,260-"TR"	2.50
						R-500,000-S	
60, 160 Chassis	W-8	X-234		PL.	V. C.	1,000-S	1.50*
30 Chassis, 31		X-240		SW.	V. C.	550-S	3.00
						R-10,000-"TL"	
15 Chassis, 15B, Fyfewood, Sherwood, Havenwood, Ellswood	W-29	C-29	X-236	SW.	V. C.	10,000-U	2.00*
25 Chassis, Brentwood, Cheltenwood, Brucewood	W-25		X-238	SW.	V. C.	6,500-"TR"	2.00*
200, 201, 203, 204			X-792	PL.	V. C.	500,000-"TL"	1.50*
25B Chassis, 251, 253, 254	W-23		X-403	SW.	V. C.	7,500-S	2.00
35 Chassis 353, 351	W-23		X-404	SW.	V. C.	7,500-S	2.00*
55 Chassis, Ardmore, Berkshire, Viking	W-29	C-29	X-236	SW.	V. C.	10,000-U	2.00*
200 Chassis, Sheffield, Fairfax, Explorer		C-60		PL.	V. C.	500,000-Z	1.00
210 Chassis, Whitehall, Stratford, Croydon		C-64	X-794	PL.	V. C.	250,000-Z	1.50*
150 Chassis, Castlewood, Phono Comb	W-29	C-29	X-236	SW.	V. C.	10,000-U	2.00*
50 Chassis, Model 52, 51			X-241	PL.	V. C.	P-645-ohms	2.50
						R-10,000-"TL"	
220 Chassis, Collingswood, Abbeywood		C-53		PL.	V. C.	200,000-Z	1.00
290 Chassis		C-64		PL.	V. C.	250,000-Z	1.00
300 Chassis, 310-A, 310-B, 320, 330, 340, 360, 390		C-53	X-499	PL.	V. C.	200,000-Z	1.50*
120, 120-B			X-790	PL.	V. C.	P-10,000-"TR"	2.50
						R-10,000-"TL"	
290 Chassis	W-23	C-23		PL.	N. S.	7,500-S	1.00
300 Chassis, 320, 340, 360, C-90	W-36	C-36	X-500	PL.	N. S.	20,000-S	1.50*
400-A, 411-A, 413-A	W-37	C-37		SW.	V. C.	20,000-U	1.00
Chassis 440, Models 44, 49, 194	W-24	C-24	X-786	SW.	V. C.	7,500-U	2.00*
490, 491, 493		C-53		PL.	V. C.	200,000-Z	1.00
55, 59, 75, 195, 560, 566 (Chassis 500)		C-53		SW.	V. C.	200,000-Z	1.00
95, 105, (Chassis 520)		C-53		SW.	V. C.	200,000-Z	1.00
85, 86, 998 (Chassis 800) F-50		C-53		PL.	V. C.	200,000-Z	1.00
570		C-53		PL.	V. C.	200,000-Z	1.00
600 (AC-DC)		C-53		SW.	V. C.	200,000-Z	1.00
490, 491, 493		C-65		SW.	T. C.	250,000-Z	1.00
370 Chassis, 371, 373, 400 Chassis, 413	W-37	C-37	X-797	Sp.SW.	V. C.	20,000-U	2.00*
380 Chassis		C-44		SW.	V. C.	50,000-S	1.00
66 (Auto)		C-53	X-787	SW.	V. C.	200,000-"TL"	2.00*
15, 15B Chassis, Havenwood, Fyfewood, Sherwood, Ellswood		C-46	X-237	PL.	T. C.	50,000-Z	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls



for control precision

MODEL & CHASSIS NO.

"W"

"C"

"X"

Plain or
Switch

How
Used

Resistance

List
Price

Prices do not include switch, except on "X" controls.

GRIGSBY-GRUNOW CO. (Continued)

"MAJESTIC"

25 Chassis, Brentwood, Cheltenwood, Brucewood	C-51	X-239	PL.	T. C.	100,000-Z	\$1.50*
200 Chassis, Sheffield, Fairfax, Explorer	C-46	X-796	SW.	T. C.	50,000-Z	2.00*
210 Chassis, Whitehall, Stratford, Croydon	C-51	X-795	SW.	T. C.	100,000-Z	2.00*
150 Chassis, Castlewood Phono. Comb.	C-46	X-237	PL.	T. C.	50,000-Z	1.50*
220 Chassis, Collingswood, Abbeywood	C-46		SW.	T. C.	50,000-Z	1.00
290 Chassis, 310-A, 310-B	C-46		SW.	T. C.	50,000-Z	1.00
300 Chassis, 320, 330, 340, 390, 360	C-64	X-395	SW.	T. C.	250,000-Z	2.00*
85, 86, 998 (Chassis 800) F-50	C-64		SW.	T. C.	250,000-Z	1.00
570	C-64		SW.	T. C.	250,000-Z	1.00
90, 90B, 91, 92, 100, 180, 181, 321, 100B	W-19	X-798	PL.	Sen.C.	5,000-S	1.50*
101, 103	W-19	X-798	PL.	Sen.C.	5,000-S	1.50*
150 Chassis		X-789	PL.	PhonoV.C.	90-S	1.50
67, 68, 69, 196, 460, 461, 463		X-788	PL.	V. C.	200,000-“TL”	1.50
666, Chassis 460, Ritz, Lido		X-788	PL.	V. C.	200,000-“TL”	1.50
776, Chassis, Riviera, 886 Chassis		X-788	PL.	V. C.	200,000-“TL”	1.50
Century 6, Master Six, Park Ave.		X-788	PL.	V. C.	200,000-“TL”	1.50

GULBRANSEN CO.

8	X-469	PL.	V. C.	P-15,000-“TL” R-12,000-“TR”	\$2.50
9 In Line (Late)	X-470	PL.	V. C.	P-10,000-“TL” R-10,000-“TL”	2.50
9 In Line (Early)	W-28	C-28	PL.	V. C.	10,000-N
Champion Junior 7 tube AC	W-29	C-29	PL.	V. C.	10,000-U
53 (Battery)	W-29	C-29	PL.	V. C.	10,000-U
10 Series, 13 Super	W-25	C-25	PL.	V. C.	7,500-V
352	W-33	C-33	SW.	V. C.	15,000-V
53 (AC)	W-4		PL.	V. C.	300-S
322		C-47	SW.	V. C.	75,000-S
V-6-Z-2, 06-W, (Auto)		C-60	SW.	V. C.	500,000-Z
Z-6-Z-1, (Auto)		C-60	SW.	V. C.	500,000-Z
872 (AC)	W-3		PL.	V. C.	200-S
60, 63, 72	W-16	C-16	PL.	V. C.	3,000-U
53 Battery		C-63	PL.	T. C.	1,000,000-Z
53 (AC), 322, 872,		C-53	PL.	T. C.	200,000-Z
10 Series, 13, 23 Supers		C-63	SW.	T. C.	1,000,000-Z
322 Noise Suppression	W-19		PL.	N. S.	5,000-S

HALSON RADIO MFG. CO.

NS - 40	C-54	X-659	SW.	V. C.	200,000-V	\$2.00*
550	C-60	X-561	SW.	V. C.	500,000-Z	2.00*
550	C-53	X-560	PL.	T. C.	200,000-Z	1.50*
520, 52, 54, 535		X-662	SW.	V. C.	25,000-“TL”	2.00
MA-53-C		X-663	SW.	V. C.	4,000-Sp.TL	2.00
50-M	C-64	X-664	SW.	V. C.	250,000-Z	2.00*
770	C-60	X-665	SW.	V. C.	500,000-Z	2.00*
770	C-53	X-666	PL.	T. C.	200,000-Z	1.50*
55		X-667	SW.	V. C.	10,000-“TR”	2.00
48		X-668	SW.	V. C.	25,000-Sp.TL	2.00
NS-50	W-30	C-30	X-669	SW.	V. C.	10,000-V
50-B		X-670	SW.	V. C.	500,000-Sp.TR	2.00
65 (Auto)		X-672	SW.	V. C.	500,000-Sp.ta.	2.00
45		X-673	SW.	V. C.	25,000-“TL”	2.00
45 (Late)		X-674	SW.	V. C.	25,000-“TL”	2.00
CW-6	C-64	X-675	SW.	V. C.	250,000-Z	2.00*
42-A		X-676	SW.	V. C.	25,000-“TL”	2.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

HALSON RADIO MFG. CO. (Continued)

510, 610	C-60	X-677	SW.	V. C.	500,000-Z	\$2.00*	
66-AW	W-30	C-30	X-678	SW.	V. C.	10,000-V	2.00*
41-A			X-679	SW.	V. C.	25,000-Sp.ta.	2.00
MG-5			X-680	SW.	V. C.	25,000-“TL”	2.00
50B-S			X-681	SW.	V. C.	500,000-Sp.ta.	2.00
NS-60	C-25	X-682	SW.	V. C.	8,000-“TR”	2.00*	
NS-60		C-63	X-683	PL.	T. C.	1,000,000-Z	1.50*
61-H		C-63	X-684	PL.	V. C.	1,000,000-Z	1.50*
“F”	W-40	C-40	X-525	SW.	V. C.	25,000-S	2.00*
55A-SW	W-40	C-40	X-686	SW.	V. C.	25,000-S	2.00*
560			X-687	SW.	V. C.	25,000-Sp.TL	2.00
570, 580			X-688	SW.	V. C.	5,000-Sp.TL	2.00
620, 630		C-51	X-689	SW.	V. C.	100,000-Z	2.00*
MA-63		C-64	X-690	SW.	V. C.	250,000-Z	2.00*
410			X-660	SW.	V. C.	25,000-Sp.TL	2.00
AW-6		C-64	X-661	SW.	V. C.	250,000-Z	2.00*
MA-53			X-671	SW.	V. C.	4,000-Sp.TL	2.00
5-L	W-40	C-40	X-685	SW.	V. C.	25,000-S	2.00*

HAMMARLUND MFG. CO.

The Comet (Dec. '31) (July '32)	W-34	C-34	PL.	V. C.	15,000-V	\$1.00
Comet Pro. (Both Sept. & Oct. 1932)	W-34	C-34	PL.	V. C.	15,000-V	1.00
Comet Pro. (Standard)	W-34	C-34	PL.	V. C.	15,000-V	1.00
Comet Pro. (Crystal)	W-34	C-34	PL.	V. C.	15,000-V	1.00
Comet Pro. (AVC)	W-34	C-34	PL.	V. C.	15,000-V	1.00
The Comet (Dec. '31)		C-51	SW.	T. C.	100,000-Z	1.00
The Comet (July '32)	W-37	C-37	SW.	T. C.	20,000-U	1.00
Comet Pro. (Both Sept & Oct. 1932)	W-29	C-29	SW.	T. C.	10,000-U	1.00
Comet Pro. (Standard)	W-29	C-29	SW.	T. C.	10,000-U	1.00
Comet Pro. (Crystal)	W-37	C-37	SW.	T. C.	20,000-U	1.00

HAMMARLUND-ROBERTS, INC.

Hi-Q 29 (Junior)	W-16		PL.	V. C.	3,000-U	\$1.00	
Hi-Q 29 (Master), Hi-Q 30	W-35	C-35	PL.	V. C.	15,000-W	1.00	
Hi-Q 31	W-34		PL.	V. C.	15,000-V	1.00	
Hi-Q 32, Hi-Q Pro.	W-30		X-212	PL.	V. C.	10,000-V	1.50*
Hi-Q 32, Hi-Q Pro.	W-36		X-213	SW.	T. C.	20,000-S	2.00*

HETRO ELECT. INDUSTRIES, INC.

22 (2 types)	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
22 (2 types) 31	W-37	C-37	PL.	T. C.	20,000-U	1.00
31, 71, 6LB, 6SB, 207, 257		C-60	SW.	V. C.	500,000-Z	1.00
6 LB, 6SB		C-63	PL.	T. C.	1,000,000-Z	1.00
209, 259, 295, 297		C-60	SW.	V. C.	500,000-Z	1.00
251	W-29	C-29	PL.	V. C.	10,000-U	1.00
251	W-37	C-37	SW.	T. C.	20,000-U	1.00
412, 416		C-60	PL.	V. C.	500,000-Z	1.00
412, 416		C-51	PL.	T. C.	100,000-Z	1.00
6 tube AC, 6 AC-DC		C-60	SW.	V. C.	500,000-Z	1.00
6 tube AC		C-46	PL.	T. C.	50,000-Z	1.00
8 tube		C-66	PL.	V. C.	2,000,000-Z	1.00
8 tube		C-60	SW.	T. C.	500,000-Z	1.00
9 tube		C-60	SW.	V. C.	500,000-Z	1.00
9 tube		C-46	PL.	T. C.	50,000-Z	1.00

HIGH FREQUENCY LABS.

Isotone, Mastertone	W-39	X-214	PL.	V. C.	20,000-W	\$1.50*
117-4	W-34	C-34	SW.	V. C.	15,000-V	1.00
222	W-30	C-30	SW.	V. C.	10,000-V	1.00
160-6, 200	W-34	C-34	SW.	V. C.	15,000-V	1.00
117-4, 200, 222		C-60	PL.	T. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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CHARLES HOODWIN CO.

1, 2, tube SW.....	W-32	C-32	PL.	V. C.	15,000-S	\$1.00
4 tube AC.....	W-34	C-34	PL.	V. C.	15,000-V	1.00
4 tube DC.....	W-30	C-30	PL.	V. C.	10,000-V	1.00
6 AC & DC Super.....		C-51	PL.	V. C.	100,000-Z	1.00
6 Battery Super.....		C-49	PL.	V. C.	100,000-S	1.00
5 DC & AC.....	W-34	C-34	PL.	V. C.	15,000-V	1.00
"International Aero" All Wave.....		C-51	PL.	V. C.	100,000-Z	1.00
6 DC Super, International Aero.....		C-51	PL.	T. C.	100,000-Z	1.00

HORN RADIO CO.

(Tiffany Tone)

15	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
59, 69, 90.....	W-25	C-25	SW.	V. C.	7,500-V	1.00
70, 71, 21, 25.....	W-24	C-24	SW.	V. C.	7,500-U	1.00
101-B, 102, 36, 58, 156, 158, 112-A, 1934.....		C-60	SW.	V. C.	500,000-Z	1.00
24	W-37	C-37	SW.	V. C.	20,000-U	1.00
15		C-51	PL.	T. C.	100,000-Z	1.00
59, 69, 90.....		C-53	PL.	T. C.	200,000-Z	1.00
36, 58, 156, 158, 112-A, 101-B, 1934.....		C-60	PL.	T. C.	500,000-Z	1.00
21, 25	W-27	C-27	PL.	T. C.	10,000-S	1.00
101-B, 102	W-27	C-27	PL.	N. S.	10,000-S	1.00

HERBERT H. HORN

5, 5M-T, (1935).....	W-37	C-37	SW.	V. C.	20,000-U	\$1.00
9MT, 9MT-C, 55, 66, 77, 156, 7MT.....		C-60	SW.	V. C.	500,000-Z	1.00
55, 77, 156, 9MT, 9MTC.....		C-40	PL.	T. C.	25,000-S	1.00
15M	W-17	C-17	SW.	V. C.	3,000-V	1.00
15M	W-27	C-27	PL.	T. C.	10,000-S	1.00
79, 99, 109.....	W-25	C-25	SW.	V. C.	7,500-V	1.00
79, 99, 109.....		C-53	PL.	T. C.	200,000-Z	1.00
66-MT		C-60	SW.	V. C.	500,000-Z	1.00
66-MT (1935)	W-40	C-40	PL.	V. C.	25,000-S	1.00

HOWARD RADIO CO.

8 Green Diamond, H, X, O, SH, (2-45) R. F. Potentiometers.....		X-342	PL.	V. C.	3,000-"TL"	\$1.50
8 Green Diamond, H, X, O, SH, SH (2-45) A. F. Potentiometers.....		C-46	PL.	V. C.	50,000-Z	1.00
SG-"A", SG-"C"			X-339	PL.	V. C.	P-1,900-"TL"
				PL.	V. C.	R-1,900-"TR"
SG-"B" Green Diamond.....	W-30	X-217	PL.	V. C.	10,000-V	1.50*
"H" Super	W-25	X-215	PL.	V. C.	7,500-V	1.50*
AVH Super		C-60	PL.	V. C.	500,000-Z	1.00
"O" Super, SG-T	W-30		PL.	V. C.	10,000-V	1.00
420 (1st) Chassis L, Model M Chassis.....		C-60	PL.	V. C.	500,000-Z	1.00
EX	W-25	X-215	PL.	V. C.	7,500-V	1.50*
400 Chassis K		C-60	PL.	V. C.	500,000-Z	1.00
35A Chassis AVO		C-60	PL.	V. C.	500,000-Z	1.00
J-3 Compact	W-30	C-30	SW.	V. C.	10,000-V	1.00
S-2, S-7		C-60	PL.	V. C.	500,000-Z	1.00
Q		C-60	PL.	V. C.	500,000-Z	1.00
X2, X3, X8, Z4		C-60	SW.	V. C.	500,000-Z	1.00
R-9		C-64	PL.	V. C.	250,000-Z	1.00
W (1st & 2nd)		C-63	PL.	A.V.C.	1,000,000-Z	1.00
W (1st & 2nd)		C-60	PL.	V. C.	500,000-Z	1.00
D-4	W-21	X-341	SW.	V. C.	5,000-V	2.00*
135, 395, 445, 495		X-340	PL.	V. C.	P-6,000-"TL"	2.50
				PL.	V. C.	R-30,000-S
SG-"B", "H" Super, "O", "M"		C-63	SW.	T. C.	1,000,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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HOWARD RADIO CO. (Continued)

420 (1st) Chassis L, Model M Chassis.....	C-66		SW.	T. C.	2,000,000-Z	\$1.00
400 Chassis K.....	C-66		SW.	T. C.	2,000,000-Z	1.00
35A, Chassis AVO.....	C-46		SW.	T. C.	50,000-Z	1.00
Q	C-64		SW.	T. C.	250,000-Z	1.00
R-9	C-53		SW.	T. C.	200,000-Z	1.00
W (1st & 2nd), Model EX.....	C-60		SW.	T. C.	500,000-Z	1.00
AVH Super	C-53		SW.	T. C.	200,000-Z	1.00
420 (1st Chassis L,) Model M Chassis.....	C-60		SW.	N. S.	500,000-Z	1.00
400, Chassis K.....	W-27	C-27	PL.	N. S.	10,000-S	1.00
W (1st & 2nd).....	W-27	C-27	PL.	Q.A.V.C.	10,000-S	1.00
W (2nd)	W-27	C-27	PL.	S.T.C.	10,000-S	1.00
A-12, AA-25, G-26.....	W-33	C-33	SW.	V. C.	15,000-U	1.00
B-13, E-14, E-107, CC-23, 24.....	C-60		SW.	V. C.	500,000-Z	1.00
F, 670A, HA-1, HA-3, HA-4.....	C-60		SW.	V. C.	500,000-Z	1.00
F, D-8	W-37	C-37	PL.	T. C.	20,000-“TL”	1.00
F, W Revised	W-30		PL.	Sen.Con.	10,000-V	1.00
W Revised, Grand.....	C-60		PL.	V. C.	500,000-Z	1.00
D-8	C-60		SW.	V. C.	500,000-Z	1.00
D-8	W-27		PL.	QAVC	10,000-S	1.00

HUDSON-ROSS

38, 48	C-64		SW.	V. C.	250,000-Z	\$1.00
59, 69	W-29	C-29	SW.	V. C.	10,000-U	1.00
80		C-60	SW.	V. C.	500,000-Z	1.00

INSULINE CORP. OF AMERICA

Envoy 6 AC.....	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
Envoy Midget Both AC & DC.....	W-13		PL.	V. C.	2,000-V	1.00
“Envoy” DC combination BC & LW.....	W-20	C-20	SW.	V. C.	5,000-U	1.00
Companion 7 Universal.....	W-9		SW.	V. C.	1,000-L	1.00
Envoy AC Combination BC & LW.....	W-13		SW.	V. C.	2,000-V	1.00
Insulette, Mascot BC & LW.....	W-13		SW.	V. C.	2,000-V	1.00
Insulette, Mascot (BC).....	W-13		SW.	V. C.	2,000-V	1.00
Conqueror (SW) AC.....	W-17		SW.	V. C.	3,000-V	1.00
6 Tube Superhet, AC.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
7 Tube Superhet, DC.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
Envoyette 5 tube AC, LW.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
DC Envoyette	W-30	C-30	SW.	V. C.	10,000-V	1.00
DC 110 Volt AVC Super 7.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
AVC Super 7 LW.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
Supersix AVC (LW & BC).....	W-30	C-30	SW.	V. C.	10,000-V	1.00
Supersix AVC (BC).....	W-30	C-30	SW.	V. C.	10,000-V	1.00
Unaradio 5 Tube Super AC DC.....		C-60	SW.	V. C.	500,000-Z	1.00
“Aiglon” Super AC-DC.....		C-60	SW.	V. C.	500,000-Z	1.00
“Atlantic” Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
“Bijou” Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
“Latimie” Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
“Mignon” Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
“Gnome” Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
Pacific Unaradio		C-60	SW.	V. C.	500,000-Z	1.00
Super Conqueror		C-60	SW.	V. C.	500,000-Z	1.00
Unaradio Nine AC-DC.....		C-60	SW.	V. C.	500,000-Z	1.00
Super Seven AC (LW).....		C-60	SW.	V. C.	500,000-Z	1.00
Trans-Atlantic, Trans-Pacific.....		C-60	SW.	V. C.	500,000-Z	1.00
ICA Six, 2 & 3 Band.....		C-60	SW.	V. C.	500,000-Z	1.00
Elite		C-60	SW.	V. C.	500,000-Z	1.00
Classic		C-60	SW.	V. C.	500,000-Z	1.00
Super Conqueror	W-19		PL.	N. S.	5,000-S	1.00
Trans-Atlantic, Trans-Pacific	W-27		PL.	Sen.Con.	10,000-S	1.00
Unaradio Nine	W-19		PL.	T. C.	5,000-S	1.00

*List Price of Series “X”. For List Price of Series “C” or “W”, see Pages 65, 66, 67.

Precision controls for control precision



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INTERNATIONAL RADIO CORP.

Kadette		X-484	PL.	V. C.	200,000-V	\$1.50
JS, J, CS, T, M	W-24	C-24	SW.	V. C.	7,500-U	1.00
KS, K	W-25	C-25	SW.	V. C.	7,500-V	1.00
AW 55	W-34	C-34	SW.	V. C.	15,000-V	1.00
Regal Model "M" (K40)	W-24	C-24	SW.	V. C.	7,500-U	1.00
A, B, Kadette, ES-25		C-64	SW.	V. C.	250,000-Z	1.00
KS, JS	W-27	C-27	PL.	T. C.	10,000-S	1.00
A, B, Kadette		C-46	PL.	T. C.	50,000-Z	1.00
ES-25, 60, 65, 85		C-46	PL.	T. C.	50,000-Z	1.00
50, 53, 553, (Early)		C-54	PL.	V. C.	200,000-V	1.00
53, 553, 61, 661		C-46	SW.	V. C.	50,000-Z	1.00
53, 553 (Late) 61, 661		C-60	PL.	V. C.	500,000-Z	1.00
60, 65, 85		C-64	SW.	V. C.	250,000-Z	1.00
105, EL-105, 1050		C-60	PL.	V. C.	500,000-Z	1.00
105, EL-105, 1050		C-46	SW.	T. C.	50,000-Z	1.00
120, 1200, 2200		C-60	PL.	V. C.	500,000-Z	1.00
120, 1200, 2200		C-64	SW.	T. C.	50,000-Z	1.00

JACKSON-BELL

24, 25, 26, 27, 28	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
25A, 25U	W-29	C-29	SW.	V. C.	10,000-U	1.00
62, 63, 64	W-16	C-16	SW.	V. C.	3,000-U	1.00
29		C-60	SW.	V. C.	500,000-Z	1.00
89, 87	W-17	C-17	SW.	V. C.	3,000-V	1.00
99	W-16	C-16	SW.	V. C.	3,000-U	1.00
5A	W-12		SW.	V. C.	2,000-L	1.00
86, 84	W-29	C-29	SW.	V. C.	10,000-U	1.00
96	W-37	C-37	SW.	V. C.	20,000-U	1.00
87, 88, 89A		C-60	PL.	T. C.	500,000-Z	1.00
88, 89A	W-30	C-30	SW.	V. C.	10,000-V	1.00

JACKSON RADIO & TELEVISION

LK-447, SF-547	W-30	C-30	SW.	V. C.	10,000-V	\$1.00
401-A, 504-B, J-104, J-105	W-30	C-30	SW.	V. C.	10,000-V	1.00

JESSE FRENCH & SONS PIANO CO.

8 tube AC, 5-093	W-28	C-28	PL.	V. C.	10,000-N	\$1.00
Junior Model "G"		X-332	SW.	V. C.	P-2,000-"TL"	3.00
H-1		X-188	SW.	V. C.	R-10,000-S	
			X-188	SW.	P-5,000-"TL"	3.00
U-1 Superhet	W-11	C-11	SW.	V. C.	R-10,000-S	
H-2, Pentode	W-29	C-29	SW.	V. C.	2,000-S	1.00
H-2 Special	W-28	C-28	SW.	V. C.	10,000-U	1.00
H-2 Junior	W-29	C-29	SW.	V. C.	10,000-N	1.00
S-2		X-332	SW.	V. C.	10,000-U	1.00
			X-332	SW.	P-2,000	3.00
S-2		C-63	X-629	PL.	1,000,000-Z	1.50*
H-2		C-63	X-629	PL.	T. C. 1,000,000-Z	1.00

KELLER-FULLER
(Radiette)

F	W-21	C-21	SW.	V. C.	5,000-V	\$1.00
M	W-11	C-11	SW.	V. C.	2,000-S	1.00
Radiette Models F12, F14	W-11	C-11	SW.	V. C.	2,000-S	1.00
Radiette Models F-14A, F-14B	W-11	C-11	SW.	V. C.	2,000-S	1.00
Radiette 30	W-27	C-27	PL.	V. C.	10,000-S	1.00
Radiette 40	W-13	C-13	SW.	V. C.	2,000-V	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

KELLER FULLER (Continued)
(Radiette)

Radiette 50, 60.....	W-34	C-34	SW.	V. C.	15,000-V	\$1.00
Radiette 70	W-27	C-27	SW.	V. C.	10,000-S	1.00
Radiette 40, 60, 70.....		C-60	PL.	T. C.	500,000-Z	1.00
Radiette 50	W-29	C-29	PL.	T. C.	10,000-U	1.00

KELLOGG SWITCHBOARD SUPPLY CO.

AC7, B Chassis.....	W-30	C-30	PL.	V. C.	10,000-U	\$1.00
533, 534, 535, 536.....		C-45	PL.	V. C.	50,000-W	1.00
SG523, 524, 525, 526, 527, 528.....		X-220	PL.	V. C.	P-10,000-“TL” R-200-S	2.50

COLIN B. KENNEDY CORP.

Royal 60		C-60	PL.	V. C.	500,000-Z	\$1.00	
“Royal”		C-60	PL.	V. C.	500,000-Z	1.00	
36, 38, 40-DC.....		X-347	PL.	V. C.	P-10,000-N R-50,000-S	2.50	
10, 12, 14, 20, 48.....	W-27		PL.	V. C.	10,000-S	1.00	
26, 30, 32-AC		X-347	PL.	V. C.	P-10,000-“TL” R-50,000-S	2.50	
30, 32 Chassis	W-27		Sw-for-Phono	V. C.	10,000-S	1.00	
Coronet-Chassis 42,	W-28	C-28	SW.	V. C.	10,000-N	1.00	
34 Chassis SW Unit	W-27	C-27	PL.	Regen & V.C.	10,000-S	1.00	
44, 50	W-28	C-28	PL.	V. C.	10,000-N	1.00	
56, 52, 52-A.....		X-826	SW.	V. C.	10,000-S	2.00	
62 Super (AVC), Royal 80.....		C-60	PL.	V. C.	500,000-Z	1.00	
62A, 66, 66A, 66B.....		C-60	PL.	V. C.	500,000-Z	1.00	
882-62D, Chassis 62-D.....	W-27	C-27	PL.	N. S.	10,000-S	1.00	
882-62D, Chassis 62-D.....		C-60	SW.	V. C.	500,000-Z	1.00	
563-A, Chassis 63, 63A.....		C-60	SW.	V. C.	500,000-Z	1.00	
164-B, Chassis 64-B.....	W-29	C-29	SW.	V. C.	500,000-Z	1.00	
882-64C		C-60	SW.	V. C.	500,000-Z	1.00	
882-64C	W-27	C-27	PL.	N. S.	10,000-S	1.00	
42B, 55	W-29	C-29	SW.	V. C.	10,000-U	1.00	
22DC, 20BAC		X-346	PL.	V. C.	P-10,000-N R-10,000-S	2.50	
48, 62A, 66, 66A, 66B.....		C-46	SW.	T. C.	50,000-Z	1.00	
62D, 64B, 64C, 882.....		C-46	PL.	T. C.	50,000-Z	1.00	
52, 52A, 62.....		C-44	X-825	PL.	T. C.	50,000-S	1.50*
56			X-827	PL.	T. C.	50,000-S	1.50

KING MANUFACTURING CORP.

H, J, 82, 97, 98, 101, FF.....	W-28	C-28	PL.	V. C.	10,000-N	\$1.00
218	W-29	C-29	SW.	V. C.	10,000-U	1.00
53	W-34	C-34	PL.	V. C.	15,000-V	1.00
110, 111	W-34	C-34	SW.	V. C.	15,000-V	1.00
110, 111		C-51	PL.	T. C.	100,000-Z	1.00
218 (Late)		C-51	PL.	T. C.	100,000-Z	1.00

KINGSTON PRODUCTS CORP.

Gypsy, 53	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
500, 500-A		C-60	SW.	V. C.	500,000-Z	1.00
600A, 600B, 610B		C-60	PL.	V. C.	500,000-Z	1.00
700, 700A, 700B		C-60	PL.	V. C.	500,000-Z	1.00
600A, 600B, 610B		C-60	SW.	T. C.	500,000-Z	1.00
700, 700A, 700B.....		C-51	SW.	T. C.	100,000-Z	1.00

KOLSTER RADIO CORP.

C-11, 940, A-1		C-40	PL.	V. C.	25,000-S	\$1.00
K-38		C-60	PL.	V. C.	500,000-Z	1.00
K-43, K-44, K-45		X-134	PL.	V. C.	P-10,000-S R-25,000-“TL”	2.50

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.

"W"

"C"

"X"

Plain or
Switch

How
Used

Resistance

List
Price

Prices do not include switch, except on "X" controls.

KOLSTER RADIO CORP. (Continued)

K-70, 72, 80, 82, 90, 92.....	W-35	X-132	SW.	V. C.	15,000-W	\$2.00*
K-60, K-62	W-19	X-133	SW.	V. C.	5,000-S	2.00*
K-130	C-60	X-486	SW.	V. C.	500,000-Z	2.00*
K-140, K-142	C-60		SW.	V. C.	500,000-Z	1.00
K-63, 66, 73, 76, 83, 86, 93, 96.....	W-38	C-38	SW.	V. C.	20,000-V	1.00
K-110, 140, 142, 120, 122, 133, 143, 132, 113, 123, 130.....	C-60	X-812	SW.	V. C.	500,000-Z	2.00*
SG-5	C-48		SW.	V. C.	75,000-V	1.00
42	W-28	C-28	PL.	V. C.	10,000-N	1.00
B-10, B-15, B-16, K-20, 21, 22, 23, 24, 25, 27, 28		X-131	PL.	V. C.	10,000-“TL”	1.50
K-114	C-60	X-811	PL.	V. C.	500,000-Z	1.50*

LAFAYETTE RADIO & TELEVISION CORP.

(Wholesale Radio Service Inc.)

A-11, A-19, AM-10	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
A-12, A-14, AM-8.....		C-60	SW.	V. C.	500,000-Z	1.00
M-69, M-70, A-7, A-15, AM-25.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
AM-26		C-60	SW.	V. C.	500,000-Z	1.00
B-51, B-52, B-53, B-54.....		C-66	SW.	V. C.	2,000,000-Z	1.00
B-60		C-63	PL.	V. C.	1,000,000-Z	1.00
LW-10 (Auto)		C-60	SW.	V. C.	500,000-Z	1.00
L1, L2, L3, L4.....		C-47	SW.	V. C.	75,000-S	1.00
L1, L2, L3, L4.....	W-19		PL.	N. S.	5,000-S	1.00
L-11, L-12		C-60	PL.	V. C.	500,000-Z	1.00
L16, L17, L18, L19.....	W-3		PL.	V. C.	200-S	1.00
A12, A14, A19, AM8.....		C-64	PL.	T. C.	250,000-Z	1.00
1930-DUO-Symphonic Pre-Selector	W-28	C-28	PL.	V. C.	10,000-N	1.00
1931-Duo-Symphonic Jr. AC-524.....	W-28	C-28	PL.	V. C.	10,000-N	1.00
Great Duo-Symphonic		X-469	PL.	V. C.	P-15,000-“TL” R-12,000-“TR”	2.50
L20, 05A Series, M31.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
M-35, 37, 53, A-20, M-47.....		C-60	SW.	V. C.	500,000-Z	1.00
AM-10, M-69, M-70, A-7.....		C-64	PL.	T. C.	250,000-Z	1.00
B-51, B-52, B-53, B-54.....		C-67	PL.	T. C.	3,000,000-Z	1.00
B-60, L-1-2-3-4, 11, 12, 16, 17, 18, 19.....		C-53	PL.	T. C.	200,000-Z	1.00
10-C10 (Both Types)		C-60	PL.	V. C.	500,000-Z	1.00
10-C10 (Both Types)		C-66	Early-SW.	T. C.	2,000,000-Z	1.00
			Late-Plain			
M-14, 20		C-45	PL.	V. C.	50,000-W	1.00
M-47	W-21		PL.	N. S.	10,000-V	1.00
80-M (1st Type)	W-21	C-21	PL.	V. C.	5,000-V	1.00
80-M (1st Type)		C-53	PL.	T. C.	200,000-Z	1.00
80-M (2nd Type)		C-60	PL.	V. C.	500,000-Z	1.00
80-M (2nd Type)		C-53	PL.	T. C.	200,000-Z	1.00

LANG RADIO CORP.
SUPERIOR CABINET

R8-DC, M7-AC, F9-DC.....	C-51		PL.	T. C.	100,000-Z	\$1.00
J7-DC	C-51		PL.	T. C.	100,000-Z	1.00
MD-7	C-42		PL.	T. C.	30,000-S	1.00
402-UB	C-54	X-635	SW.	V. C.	200,000-V	2.00*
503-UT, 523-UT	C-63	X-636	SW.	V. C.	1,000,000-Z	2.00*
51-US		X-637	SW.	V. C.	4,000-Sp.ta.	2.00
523-UF	C-60	X-639	PL.	V. C.	500,000-Z	1.50*
60-AA	C-60	X-640	Special	V. C.	500,000-Z	2.00*
			Switch SPDT			

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
LANG RADIO CORP. (Continued)							
SUPERIOR CABINET							
40-UL		X-641	SW.	V. C.	10,000-Sp.ta.	\$2.00	
503-UT (Late)		C-63	X-642	SW.	V. C.	1,000,000-Z	2.00*
40-UP			X-643	SW.	V. C.	10,000-Sp.ta.	2.00
53-US-AS			X-644	SW.	V. C.	10,000-Sp.ta.	2.00
BA-5, BD-6, BD-5	W-16	C-16		PL.	V. C.	3,000-U	1.00
BD-6P, BA-5P	W-16	C-16		PL.	V. C.	3,000-U	1.00
F-9DC, J-7DC, M-7AC, R-8DC	W-23	C-23		PL.	V. C.	7,500-S	1.00
MD-7, MA-7, SA-7, SA-8	W-29	C-29		PL.	V. C.	10,000-U	1.00
MA-8, MD-8		C-60		Sw.forPhono	V. C.	500,000-Z	1.00
UG-5B		C-30	X-634	SW.	V. C.	10,000-V	2.00*
Control No. S-227			X-646	SW.	V. C.	4,000-V	2.00
Control No. UB-5			X-647	SW.	V. C.	4,000-V	2.00
503-AS		C-60	X638	Special	V. C.	500,000-Z	2.00*
				Switch			
				SPDT			
703-US		C-60		SwforPhono	V. C.	500,000-Z	1.00
BD-5, BA-5P, MA-7, MA-8, MD-8		C-46		PL.	T. C.	50,000-Z	1.00
SA-7, SA-8, BD-6-P		C-46		PL.	T. C.	50,000-Z	1.00
502-UK			X-645	SW.	V. C.	10,000-Sp.ta.	2.00
LARKIN CO., INC.							
90, 91		C-60		PL.	V. C.	500,000-Z	\$1.00
88		W-29	C-29	SW.	V. C.	10,000-U	1.00
88			C-63	PL.	T. C.	1,000,000-Z	1.00
LEWOL MFG. CORP.							
LW-4 (AC-DC) L4W-DW		C-40		SW.	V. C.	25,000-S	\$1.00
60-M-S Chassis, 64 Chassis		C-64		SW.	V. C.	250,000-Z	1.00
63		C-60		SW.	V. C.	500,000-Z	1.00
LINCOLN RADIO CORP.							
8-80, Hollister AC-8	W-15		PL.	V. C.	3,000-S	\$1.00	
31 Super	W-42	X-232	SW.	V. C.	30,000-S	2.00*	
SW-32		C-44	SW.	V. C.	50,000-S	1.00	
DeLuxe 10	W-25	C-25	SW.	V. C.	7,500-V	1.00	
DC-SW-8		C-44	PL.	V. C.	50,000-S	1.00	
R-9		C-60	PL.	V. C.	500,000-Z	1.00	
R-9		C-44	PL.	N. S.	50,000-S	1.00	
SW-33		C-44	PL.	Sen.Con.	50,000-S	1.00	
Hollister DC-8	W-27	C-27	PL.	V. C.	10,000-S	1.00	
R. H. MACY & CO.							
MB56, MB58, MB710	W-29	C-29	SW.	V. C.	10,000-U	\$1.00	
MB5, MB92	W-30	C-30	SW.	V. C.	10,000-V	1.00	
MB58, MB710		C-51	PL.	T. C.	100,000-Z	1.00	
MB92		C-64	PL.	T. C.	250,000-Z	1.00	
MASTER RADIO & MFG. CO.							
Midget 424	W-34	C-34	PL.	V. C.	15,000-V	\$1.00	
Midget 424		C-60	PL.	T. C.	500,000-Z	1.00	
MARTI RADIO							
2 R-10	W-28	C-28	PL.	V. C.	10,000-N	\$1.00	
Marti Model T		C-44	PL.	V. C.	50,000-S	1.00	
Mc MILLAN RADIO CO.							
900, 8-AC	W-28	C-28	PL.	V. C.	10,000-N	\$1.00	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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Mc MURDO SILVER, INC.

World Wide Nine.....	C-63	PL.	V. C.	1,000,000-Z	\$1.00
World Wide Nine.....	C-46	PL.	T. C.	50,000-Z	1.00

MID-WEST RADIO CORP.

(Miraco)

Miraco AC-9-4SG	W-30	C-30	SW.	V. C.	10,000-V	\$1.00
Miraco 16 Tube Super (Single).....		C-60	X-808	SW.	V. C.	500,000-“TL”
Miraco 16 Tube Super	W-8	C-8		PL.	N. S.	1,000-S
Miraco AC-9	W-28	C-28		PL.	V. C.	10,000-N
Pentode Superhet 11.....		C-60		SW.	V. C.	500,000-Z
Miraco 1SG-226		C-52		PL.	V. C.	200,000-S
RT-9, G-9, F-9, H-9, 9-34, 10-34.....		C-60		PL.	V. C.	500,000-Z
RT-9, G-9, F-9, H-9, 9-34, 10-34.....	W8	C-8		PL.	N. S.	1,000-S
RT-16, A-16, B-16, D-16, PR-16, RM-16.....		C-44		PL.	N. S.	50,000-S
Miraco AC-9-4SG, Superhet 11.....		C-29		PL.	T. C.	10,000-U
Miraco 16 Tube Super.....		C-46		SW.	T. C.	50,000-Z
RT-9, G-9		C-46		PL.	T. C.	50,000-Z
16 Tube (Tandem).....			X-809	PL.	V. C.	P-500,000-“TL”
						R-500,000-“TL”
F9, H9, 9-34, 10-34.....		C-46		PL.	T. C.	50,000-Z
RT-16, A-16, B-16.....		C-46		PL.	T. C.	50,000-Z
D-16, PR-16, RM-16.....		C-46		PL.	T. C.	50,000-Z
10A, 33, 34, 10, 35.....		C-60		PL.	V. C.	500,000-Z
10A, 33, 34, 10, 35.....		C-46		PL.	T. C.	50,000-Z
10A, 33, 34, 10, 35.....	W-8			PL.	N. S.	1,000-S
35-5-SW	W-30	C-30		PL.	V. C.	10,000-V
35-5-SW		C-51		PL.	V. C.	100,000-Z

MISSION BELL RADIO MFG. CO., INC.

40		C-60	PL.	V. C.	500,000-Z	\$1.00
40 All Wave		C-60	PL.	V. C.	500,000-Z	1.00
16		C-60	SW.	V. C.	500,000-Z	1.00
35	W-29	C-29	SW.	V. C.	10,000-U	1.00
41 AW, 41 Skip Band.....		C-60	SW.	V. C.	500,000-Z	1.00

MONTGOMERY-WARD & CO.
(AIR-LINE)

2822, 2827, 2895, 2897.....	W-5		PL.	V. C.	400-S	\$1.00
3035, 3037, 3065, 3067.....	W-24	C-24	PL.	V. C.	7,500-U	1.00
1522, 1562	W-34	C-34	PL.	V. C.	15,000-V	1.00
2955, 2957		X-469	PL.	V. C.	P-15,000-“TL”	2.50
					R-12,000-“TR”	
“Princess” No. 62-070 Chassis 26W	W-24	C-24	PL.	V. C.	7,500-U	1.00
“Challenger Jr.” No. 62-060 Chassis 26W	W-24	C-24	PL.	V. C.	7,500-U	1.00
921, 923, 924, 839		C-45	SW.	V. C.	50,000-W	1.00
“Collegian” No. 15,000 Chassis 27W	W-24	C-24	PL.	V. C.	7,500-U	1.00
“Serenader” & “Dictator”	W-5		PL.	V. C.	400-S	1.00
Balboa, DeSoto 60 Cycle Chassis.....	W-5		PL.	V. C.	400-S	1.00
Balboa, DeSoto, 25 Cycle Chassis.....	W-5		PL.	V. C.	400-S	1.00
“Troubadour” No. 62-030 & “Lafayette” No. 62-232.....	W-24	C-24	PL.	V. C.	7,500-U	1.00
32-W Chassis	W-24	C-24	PL.	V. C.	7,500-U	1.00
No. 62-20, No. 62-20X, (AVC).....	W-4		PL.	V. C.	300-S	1.00
“Fantasy” No. 1111, “Solo” No. 811.....	W-25	C-25	PL.	V. C.	7,500-V	1.00
“Challenger” No. 11,000 (Any Serial).....	W-29	C-29	PL.	V. C.	10,000-U	1.00
“Commander” & “Cavalier” Chassis 29W	W-24	C-24	SW.	V. C.	7,500-U	1.00
“Commodore” & “Sovereign” Chassis 181	W-17	C-17	PL.	V. C.	3,000-V	1.00
“Recital” No. 1238.....		C-53	PL.	V. C.	200,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

MONTGOMERY-WARD & CO. (Continued)
AIR-LINE

"Grenadier" No. 62-14	W-19			PL.	V. C.	5,000-S	\$1.00
62-22, 62-30, 62-21		C-60		PL.	V. C.	500,000-Z	1.00
62-22, 62-30, 62-21		C-52		PL.	Localizer	200,000-S	1.00
62-29, (11-12) Early	W-34	C-34		PL.	V. C.	15,000-V	1.00
62-29, (11-12) Late		C-60		PL.	V. C.	500,000-Z	1.00
62-020, (51)		C-45		PL.	V. C.	50,000-W	1.00
62-010		C-41		PL.	V. C.	25,000-W	1.00
62-38, 62-40, 62-50, 62-91		C-63		PL.	V. C.	1,000,000-Z	1.00
Auto Radio		C-60		PL.	V. C.	500,000-Z	1.00
17		C-60		PL.	V. C.	500,000-Z	1.00
62-1, 62-2		C-51		PL.	V. C.	100,000-Z	1.00
62-7, 62-8, 62-9, 62-104	W-33	C-33		SW.	V. C.	15,000-U	1.00
13, 15, 16, 16X, 17, 18, 18X	W-24	C-24		PL.	V. C.	7,500-U	1.00
62-89, 62-132, 62-137, 62-199		C-66		SW.	V. C.	2,000,000-Z	1.00
62-93 (32 Volt)		C-63		PL.	V. C.	1,000,000-Z	1.00
62-96, 62-98	W-29	C-29		SW.	V. C.	10,000-U	1.00
62-97, 62-97X, 62-99, 62-99X		C-60		SW.	V. C.	500,000-Z	1.00
62-101, 62-101X		C-60		SW.	V. C.	500,000-Z	1.00
62-103, 62-105, 62-16, 62PC-55, 68		C-63		SW.	V. C.	1,000,000-Z	1.00
62-106, 62-107, 62-121		C-53		SW.	V. C.	200,000-Z	1.00
77, 95		C-46		PL.	V. C.	50,000-Z	1.00
87 (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
62-118 (Auto)		C-64		SW.	V. C.	250,000-Z	1.00
62-124, 62-129		C-66		PL.	V. C.	2,000,000-Z	1.00
62-140, 62-140X, 62-148, 62-148X		C-48		SW.	V. C.	75,000-V	1.00
"Fantasy" No. 111 "Solo" No. 811		C-63		SW.	T. C.	1,000,000-Z	1.00
2955, 2957, 1522, 1562		C-63		PL.	T. C.	1,000,000-Z	1.00
"Recital" No. 1238, "Challenger" No. 11,000		C-63		PL.	T. C.	1,000,000-Z	1.00
"Commander" & "Cavalier" Chassis 29W		C-63		PL.	T. C.	1,000,000-Z	1.00
"Commodore" & "Sovereign" Chassis 181		C-63		PL.	T. C.	1,000,000-Z	1.00
62-93 (32 Volt)		C-43		PL.	T. C.	40,000-S	1.00
62-1, 62-2, 62-9		C-51		PL.	T. C.	100,000-Z	1.00
62-7, 62-8		C-40		PL.	T. C.	25,000-S	1.00
2822, 2827, 2895, 2897, 3035		C-60		PL.	T. C.	500,000-Z	1.00
3037, 3065, 3067, 62-101, 62-101X		C-60		PL.	T. C.	500,000-Z	1.00
"Troubadour" & "Lafayette"		C-60		PL.	T. C.	500,000-Z	1.00
"Collegian" No. 15,000 Chassis 27W, 27WX		C-46		PL.	T. C.	50,000-Z	1.00
62-97, 62-97X, 62-99, 62-99X		C-46		PL.	T. C.	50,000-Z	1.00
62-124, 62-129, (Late)		C-46		PL.	T. C.	50,000-Z	1.00
62-38, 62-40, 62-50, 62-20, 62-20X, AVC		C-53		PL.	T. C.	200,000-Z	1.00
"Grenadier" 62-14, 62-18 (Auto)		C-53		PL.	T. C.	200,000-Z	1.00
62-22, 62-30, 62-21, 62-29 (11-12)		C-53		PL.	T. C.	200,000-Z	1.00
62-91, 62-103, 62-105, 62-PC-68		C-53		PL.	T. C.	200,000-Z	1.00
62-124, 62-129 Early		C-53		PL.	T. C.	200,000-Z	1.00
62-89, 62-106, 62-107, 62-121		C-67		PL.	T. C.	3,000,000-Z	1.00
62-132, 62-137		C-67		PL.	T. C.	3,000,000-Z	1.00
62-134, 62-134X, 62-139, 62-139X		C-66		SW.	V. C.	2,000,000-Z	1.00
62-134, 62-134X, 62-139, 62-139X, 62-16		C-53		PL.	T. C.	100,000-Z	1.00
62-135, 62-150, 62-154, (62-166-Auto)		C-60		SW.	V. C.	500,000-Z	1.00
62-147, 62-156, 62-164 Series A, B, C		C-60		SW.	V. C.	500,000-Z	1.00
62-PG-43, 5 tube Superhet	W-20	C-20		SW.	V. C.	5,000-U	1.00
62-173, 62-175, 62-176, 62-177, 62-188, 62-193		C-60		SW.	V. C.	500,000-Z	1.00
62-173, 62-175, 62-176, 62-177 62-188, 62-193		C-53		PL.	T. C.	200,000-Z	1.00
62-179, 62-194, 62-206, 62-216, 62-218		C-67		PL.	T. C.	3,000,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.

Prices do not include switch, except on "X" controls.

Resistance
List Price

"W"

"C"

"X"

Plain or
Switch

How
Used

Resistance

MONTGOMERY-WARD & CO. (Continued)
AIR-LINE

62-185, 62-187, 62-190, 62-196 (3 types) (1935)	C-53	PL.	T. C.	200,000-Z	\$1.00
62-PC-64	C-63	SW.	V. C.	1,000,000-Z	1.00
62-PC-64	C-51	PL.	T. C.	100,000-Z	1.00
62-PC-64	C-49	PL.	N. S.	100,000-S	1.00
62-203, 62-205, 62-208, 62-212, 62-217, 62-219	C-63	PL.	V. C.	1,000,000-Z	1.00
62-203, 62-205, 62-208, 62-212 62-217, 62-219	C-53	PL.	V. C.	200,000-Z	1.00

MUSSETTE

52, 53	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
310	W-29	C-29	SW.	V. C.	10,000-U	1.00
310		C-40	PL.	T. C.	25,000-S	1.00
52, 53		C-60	PL.	T. C.	500,000-Z	1.00

NOBLITT SPARKS INDUSTRIES
(Arvin)

41	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
51		C-60	SW.	V. C.	500,000-Z	1.00
61, 62, 61M, 62M, 81.....		C-60	PL.	V. C.	500,000-Z	1.00
61, 62, 61M, 62M, 81.....		C-51	SW.	T. C.	100,000-Z	1.00
81M		C-60	PL.	V. C.	500,000-Z	1.00
81M		C-51	SW.	T. C.	100,000-Z	1.00

NORCO MFG. CO.

Comb. Dual Wave	W-33	C-33	SW.	V. C.	15,000-U	\$1.00
4 Super		C-60	SW.	V. C.	500,000-Z	1.00

OPERADIO MFG. CO.

478-A, 478-AH, 2478-A	C-58	PL.	V. C.	500,000-S	\$1.00
484, 484-A, 484-B	C-58	PL.	V. C.	500,000-S	1.00

OZARKA, INC.

90, 89		X-244	PL.	V. C.	10,000-N	\$1.50
Viking 91	W-19	C-19	PL.	V. C.	5,000-S	1.00
92-AC	W-27		PL.	V. C.	10,000-S	1.00
93-A Super, 93-B Super, 94-AVC	W-27		SW.	V. C.	10,000-S	1.00
V-16		C-40	SW.	V. C.	25,000-S	1.00
93-A, 93-B, 94-AVC		C-46	PL.	V. C.	50,000-Z	1.00

PACKARD BELL CO.

35A, 65, 34, 35	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
36, 76, 86		C-60	SW.	V. C.	500,000-Z	1.00
45M	W-25	C-25	SW.	V. C.	7,500-V	1.00
45M		C-46	PL.	T. C.	50,000-Z	1.00
76, 86		C-64	PL.	T. C.	250,000-Z	1.00

PATTERSON RADIO CO.

70-AW, 107-AW, 207-AW, 210-AW		C-60	SW.	V. C.	500,000-Z	\$1.00
74-AW, 507-AW		C-60	SW.	V. C.	500,000-Z	1.00
80-AW, 84-AW, 508-AW		C-60	SW.	V. C.	500,000-Z	1.00
80-AW, 84-AW, 508-AW	W-8		PL.	Sen.Con.	1,000-S	1.00
104-AW, 510-AW, No. 46 tubes		C-60	SW.	V. C.	500,000-Z	1.00
104-AW, 510-AW No. 59 tubes		C-60	SW.	V. C.	500,000-Z	1.00
104-AW, 510-AW No. 59 tubes	W-27		PL.	N. S.	10,000-S	1.00
60 Series (6 tubes)		C-60	SW.	V. C.	500,000-Z	1.00
70-AW, 74-AW, 104-AW, 107-AW, 207-AW		C-53	PL.	T. C.	200,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls



for control precision

MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
PATTERSON RADIO CO. (Continued)							
210-AW, 507-AW, 510-AW (No. 59 tubes).....		C-53		PL.	T. C.	200,000-Z	\$1.00
60 Series (6 tubes).....		C-53		PL.	T. C.	200,000-Z	1.00
PR-16 (Part VI)		C-60		SW.	V. C.	500,000-Z	1.00
PR-16, (Manual VC).....		C-60		Spec. Man. V.C.		500,000-Z	1.00
D.P.S.T.							
PR-16, 186-AW, 286-AW, 386-AW.....		C-46		PL.	T. C.	50,000-Z	1.00
186-AW, 286-AW, 386-AW.....	W-8			PL.	Sil. Tun.	1,000-S	1.00
1106-AW, 2106-AW, 3106-AW.....	W-8			PL.	Sil. Tun.	1,000-S	1.00
1106-AW, 2106-AW, 3106-AW.....		C-60		SW.	V. C.	500,000-Z	1.00
1106-AW, 2106-AW, 3106-AW.....		C-46		PL.	T. C.	50,000-Z	1.00
1126-AW, 2126-AW, 3126-AW.....		C-60		SW.	V. C.	500,000-Z	1.00
1126-AW, 2126-AW, 3126-AW.....		C-46		PL.	T. C.	50,000-Z	1.00
1126-AW, 2126-AW, 3126-AW.....	W-8			PL.	Sil. Tun.	1,000-S	1.00
PHILCO RADIO & TELEVISION CORP.							
1, 2, 3.....		C-58		PL.	V. C.	500,000-S	\$1.00
7 Transitone		C-60		PL.	V. C.	500,000-Z	1.00
65 Chassis, Model 62, 65.....	W-11	X-248		PL.	V. C.	1,750-S	1.50*
76 Chassis, Model 76, 73.....	W-4	X-250		PL.	V. C.	250-S	1.50*
73, 76, Chassis Model 77, 77P, 77A.....		X-251		PL.	V. C.	P-300	2.50
						R-5 000	
Chassis 511, Models 511, 521, 541, 561.....	W-28	C-28	X-249	PL.	V. C.	10,000-N	1.50*
86 Chassis, Model 82, 86.....	W-28	C-28	X-249	PL.	V. C.	10,000-N	1.50*
87 Chassis, Model 83, 87.....	W-28	C-28	X-249	PL.	V. C.	10,000-N	1.50*
95 Chassis Model 92, 95.....		C-58	X-358	PL.	V. C.	500,000-S	1.50*
96 Chassis Models 96, 96A, 296, 296A.....		C-58	X-410	PL.	V. C.	500,000-S	1.50*
20, 20A, Serial 20-20A, 21, 220, 220A.....			X-251	PL.	V. C.	P-300	2.50
						R-5,000	
30 (Battery)		C-58		PL.	V. C.	500,000-S	1.00
40 DC	W-8		X-416	PL.	V. C.	1,000-S	1.50*
46, 46E, 41, 42DC.....			X-406	PL.	V. C.	P-5,000	2.50
						R-1,750	
211, 211-A, 111, 111A.....		C-58	X-410	PL.	V. C.	500,000-S	1.50*
50, 50A			X-252	PL.	V. C.	P-1,750	2.50
						R-5,000	
51, 51A, 551, 551A.....	W-20	C-20	X-407	PL.	V. C.	5,000-U	1.50*
70, 70A (above B-22,000) (AVC).....		C-61	X-412	PL.	V. C.	1,000,000-S	1.50*
70, 70A (Below B-22,000) (No AVC).....			X-314	PL.	V. C.	P-210	2.50
						R-500,000	
270, 270A			X-314	PL.	V. C.	P-210	2.50
						R-500,000	
90, 90A (Below 237,001) (2-45).....			X-314	PL.	V. C.	P-210	2.50
						R-500,000	
90, 90A (Above 237,001) (1-47).....		C-58	X-359	PL.	V. C.	500,000-S	1.50*
90 (2-47) Serial B-32,001 to B-35,000 and above 53,100).....		C-61	X-412	PL.	V. C.	1,000,000-S	1.50*
470, 470-A			X-314	PL.	V. C.	P-210	2.50
						R-5,000	
53 (AC-DC)	W-37	C-37	X-771	SW.	V. C.	20,000-U	2.00*
37			X-206	PL.	V. C.	P-5,000	2.50
						R-5,000	
48 DC	W-28	C-28		SW.	V. C.	10,000-N	1.00
71-121, 71-221, Series 71.....		C-58	X-415	PL.	V. C.	500,000-S	1.50*
Chassis 80, Model 80.....	W-37	C-37	X-493	SW.	V. C.	20,000-U	2.00*
89, 19, 89A, Early.....		C-58	X-564	SW.	V. C.	500,000-S	2.00*
91 (121-221)		C-58	X-415	PL.	V. C.	500,000-S	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
PHILCO RADIO & TELEVISION CORP. (Continued)							
89, 19, 89A, Late.....		C-58	X-410	PL.	V. C.	500,000-S	\$1.50*
91A-121, 91A-221		C-58	X-415	PL.	V. C.	500,000-S	1.50*
22-L, 23-X		C-58	X-415	PL.	V. C.	500,000-S	1.50*
47 DC (121-221)		C-58	X-415	PL.	V. C.	500,000-S	1.50*
54		C-58	X-564	SW.	V. C.	500,000-S	2.00*
571, 581, 5.....	W-28	C-28	X-249	PL.	V. C.	10,000-N	1.50*
490 (1-47)		C-58	X-359	PL.	V. C.	500,000-S	1.50*
112, 112A, 212, 212A (2-45).....		C-58	X-410	PL.	V. C.	500,000-S	1.50*
112, 112A, 112-E (Above 174,001).....		C-58	X-410	PL.	V. C.	500,000-S	1.50*
15, 15X, 15DX		C-61	X-311	PL.	V. C.	1,000,000-S	1.50*
43		C-63		SW.	V. C.	1,000,000-Z	1.00
5 (Transitone Auto)		C-60	X-168	SW.	V. C.	500,000-Z	2.00*
32		C-58		PL.	V. C.	500,000-S	1.00
34, 34A, 700, 44.....		C-58		SW.	V. C.	500,000-S	1.00
57, 58	W-37	C-37	X-804	SW.	V. C.	20,000-“TL”	1.50*
38, 38A, 81	W-37	C-37		PL.	V. C.	20,000-U	1.00
504		C-58		SW.	V. C.	500,000-S	1.00
84	W-37	C-37	X-701	SW.	V. C.	20,000-U	2.00*
60, 66, 261, 505.....			X-830	SW.	V. C.	350,000-S	2.00
39, 39A		C-60		SW.	V. C.	500,000-Z	1.00
97, 610, 611, 623.....		C-60		SW.	V. C.	500,000-Z	1.00
59	W-37	C-37		SW.	V. C.	20,000-“TL”	1.00

**PILOT RADIO & TUBE CORP.
PILOT RADIO CORP.**

SG-105, K-106		C-52		PL.	V. C.	200,000-S	\$1.00
K-108	W-19	C-19		PL.	V. C.	5,000-S	1.00
A.C. Universal Super-Wasp K-136.....		C-45		PL.	V. C.	50,000-W	1.00
K121, K121X, PE6-S.G.....		C-45		PL.	V. C.	50,000-W	1.00
K122, 123, 124, 126, 128.....		C-45		PL.	V. C.	50,000-W	1.00
AC Midget (Early) All C157 Series.....	W-20	C-20		PL.	V. C.	5,000-U	1.00
D.C. Chassis C158 & C-156.....	W-44	C-44		PL.	V. C.	50,000-S	1.00
Pilot Midget (Early)		C-45		PL.	V. C.	50,000-W	1.00
41 Series DC Dragon, Chassis 11, 15, 37, 41.....	W-29	C-29		SW.	V. C.	10,000-U	1.00
S-148, 162, 164, 165.....	W-15	C-15		SW.	V. C.	3,000-S	1.00
1010, All Wave Dragon.....	W-29	C-29		SW.	V. C.	10,000-U	1.00
Dragon Model 11 DC Superhet.....	W-29	C-29		SW.	V. C.	10,000-U	1.00
B-2 AC-DC	W-37	C-37		SW.	V. C.	20,000-U	1.00
“Rainbow” Model 81	W-28	C-28		SW.	V. C.	10,000-N	1.00
DC 3 AC-DC (Late) D-3.....	W-29	C-29		SW.	V. C.	10,000-U	1.00
55, Capt. Kidd Chest, 43.....	W-16	C-16		SW.	V. C.	3,000-U	1.00
2	W-36	C-36	X-231	SW.	V. C.	20,000-S	2.00*
39, 10, 13, 35, (10-AC) Dragon.....			X-408	PL.	V. C.	P-10,000 R-10,000	2.50
F-14 DC, 12-AC, 20.....		C-60		SW.	V. C.	500,000-Z	1.00
F-14 DC, 12-AC	W-29	C-29		PL.	Sen.Con.	10,000-U	1.00
4 tube DC Superhet	W-29	C-29		SW.	V. C.	10,000-U	1.00
20, 28	W-34	C-34		PL.	Sen.Con.	15,000-V	1.00
31-81	W-29	C-29		SW.	V. C.	10,000-U	1.00
41 DC Superhet	W-29	C-29		PL.	V. C.	10,000-U	1.00
L8 (8 tube Dragon)		C-60		PL.	V. C.	500,000-Z	1.00
L8 (8 tube Dragon)	W-33	C-33		PL.	Sen.Con.	15,000-U	1.00
8 & 84		C-60	X-207	PL.	V. C.	750,000-Z	1.50*
28, 28 Revised		C-60		PL.	V. C.	500,000-Z	1.00
53 (BC & SW. Foreign).....		C-60		PL.	V. C.	500,000-Z	1.00
55 (High Band-BC Foreign).....		C-60		PL.	V. C.	500,000-Z	1.00
68, 93		C-60		PL.	V. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

PILOT RADIO & TUBE CORP. (Continued)
PILOT RADIO CORP.

C-157 Series, C-156, C-158, Model 20.....	C-60	PL.	T. C.	50,000-Z	\$1.00	
39 Series, 41 Series D.C. Dragon.....	C-46	PL.	T. C.	50,000-Z	1.00	
41 D.C. Superhet	C-46	PL.	T. C.	100,000-Z	1.00	
S-148, 162, 164, 165, 73, 75.....	C-51	PL.	T. C.	100,000-Z	1.00	
55 Capt. Kidd Chest, 43.....	C-51	PL.	T. C.	100,000-Z	1.00	
F-14 D.C.	W-27	C-27	PL.	10,000-S	1.00	
28, 28 Revised, 68.....	W-27	C-27	SW.	10,000-S	1.00	
12A.C.		C-40	PL.	25,000-S	1.00	
L8, Dragon 8		C-51	SW.	100,000-Z	2.00*	
68 (220 & 240 DC).....		C-51	SW.	100,000-Z	1.00	
39, 10, 13, 35, Dragon.....		C-46	PL.	50,000-Z	1.00	
41, 43, 45, (AC).....	W-21		SW.	5,000-V	1.00	
63		C-60	X-693	PL. V. C.	750,000-Z	
X-63, X-65, X-68, X-69.....		C-60	PL.	V. C.	500,000-Z	
X-68, X-69	W-29		SW.	T. C.	10,000-U	
108, 109 (1935).....	W-29	C-29	PL.	T. C.	10,000-U	
85, 3			X-216	PL. V. C.	10,000-“TL”	
X-73, X-75 (1935).....		C-60	PL.	V. C.	500,000-Z	
X-73, X-75 (1935).....		C-51	SW.	T. C.	100,000-Z	
103, 105, 108, 109 (1935).....		C-60	SW.	V. C.	500,000-Z	
114, 115, 183, 185.....		C-60	SW.	V. C.	500,000-Z	
114, 115	W-21		SW.	N. S.	5,000-V	
114, 115, 183, 185.....		C-51	PL.	T. C.	100,000-Z	
63		C-51	X-692	SW.	T. C.	100,000-Z
213, 215, X-63, X-65, 53.....		C-60	PL.	V. C.	500,000-Z	
213, 215, X-63, X-65, 53.....		C-51	SW.	T. C.	100,000-Z	

PLAZA MUSIC CO.

49-A	C-49	SW.	V. C.	100,000-S	\$1.00	
549	C-44	SW.	V. C.	50,000-S	1.00	
711 Super, 711 Junior TRF.....	W-34	C-34	SW.	V. C.	15,000-V	
Control No. 421.....			X-696	PL.	V. C.	50,000-S
24 Standard	W-34	C-34	SW.	V. C.	15,000-V	
6 tube TRF.....	W-34	C-34	SW.	V. C.	15,000-V	
24 Standard		C-47	PL.	T. C.	75,000-S	
6 tube LW, 6 tube TRF.....		C-46	PL.	T. C.	50,000-Z	
7 tube Super		C-46	PL.	T. C.	50,000-Z	
Control No. 408-A.....		X-694	SW.	V. C.	50,000-“TL”	
Control No. 457		C-44	X-695	PL.	V. C.	50,000-S

RADIOBAR CO. OF AMERICA

505	C-60	SW.	V. C.	500,000-Z	\$1.00
508, 526, 210-B	C-60	SW.	V. C.	500,000-Z	1.00
510, W-'46s, W-'59s.....	C-60	SW.	V. C.	500,000-Z	1.00
510, W-'46's, W-'59's.....	W-27	C-27	PL.	Sil.Tun.	10,000-S
505	W-27	C-27	PL.	T. C.	10,000-S
508, 526, 210-B.....		C-51	PL.	T. C.	100,000-Z
510, W-'59s		C-53	PL.	T. C.	200,000-Z
508, 526, 210-B	W-8		PL.	Sen.Con.	1,000-S

RADIO CHASSIS, INC.

SMA-24	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
HOAR-48, LSA-37, SDC-36.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
AC-25, SMA-25	W-15	C-15	SW.	V. C.	3,000-S	1.00
AC-36, QAC-36, LSA-36.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
AC-35, QAC-35	W-30	C-30	SW.	V. C.	10,000-V	1.00
A5D	W-29	C-29	SW.	V. C.	10,000-U	1.00
A6D, L6D		C-60	SW.	V. C.	500,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

RADIO CHASSIS, INC. (Continued)

L5D	W-17	C-17	SW.	V. C.	3,000-V	\$1.00
L6W		C-60	SW.	V. C.	500,000-Z	1.00
L5D		C-51	PL.	T. C.	100,000-Z	1.00

RADOLEK

Marvelo & Monroe W-'47s.....	W-26		SW.	V. C.	7,500-W	\$1.00
Radolek 10 tube Super.....	W-30	C-30	SW.	V. C.	10,000-V	1.00
Monroe & Marvelo 8-9, 6-7.....	W-15		PL.	V. C.	3,000-S	1.00
Marvelo 7 tube Super (1932).....	W-25	C-25	SW.	V. C.	7,500-V	1.00
Marvelo & Monroe W-'50s.....	W-16	C-16	SW.	V. C.	3,000-U	1.00
Compact 5 tube Super.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
5 tube Deluxe Super.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
7 tube Super (1933).....		C-60	SW.	V. C.	500,000-Z	1.00
Little Master	W-30	C-30	SW.	V. C.	10,000-V	1.00
Little Leader	W-20	C-20	SW.	V. C.	5,000-U	1.00
SR-230 (12 tube Super).....		C-47	SW.	V. C.	75,000-S	1.00
SR-230 (12 tube Super).....	W-19	C-19	PL.	N. S.	5,000-S	1.00
SR-233, SR-234, SR-236.....		C-60	SW.	V. C.	500,000-Z	1.00
SR-234	W-27	C-27	PL.	N. S.	10,000-S	1.00
951, 10951	W-33	C-33	SW.	V. C.	15,000-U	1.00
956, 958, 10956		C-64	SW.	V. C.	250,000-Z	1.00
10953		C-45	SW.	V. C.	50,000-W	1.00
10969, 10968 (32 Volt).....		C-64	PL.	V. C.	250,000-Z	1.00
10967		C-49	PL.	V. C.	100,000-S	1.00
10962	W-24	C-24	PL.	V. C.	7,500-U	1.00
10963, 10964		C-64	SW.	V. C.	250,000-Z	1.00
10966	W-25	C-25	SW.	V. C.	7,500-V	1.00
10970		C-60	SW.	V. C.	500,000-Z	1.00
10 tube Super, Marvelo 7 tube.....		C-46	PL.	T. C.	50,000-Z	1.00
Deluxe 5 tube Super, 10956.....		C-46	PL.	T. C.	50,000-Z	1.00
7 tube Super (1933) SR-233, SR-234.....		C-46	PL.	T. C.	50,000-Z	1.00
SR-236, Models 956, 958.....		C-46	PL.	T. C.	50,000-Z	1.00
9 tube Battery Super, SR-230.....		C-53	PL.	T. C.	200,000-Z	1.00
Marvelo & Monroe W-'50s.....	W-27	C-27	PL.	T. C.	10,000-S	1.00
10969, 10962, 10963		C-51	PL.	T. C.	100,000-Z	1.00
10964, 10970, 10968		C-51	PL.	T. C.	100,000-Z	1.00
Octomatic		C-53	SW.	V. C.	200,000-Z	1.00
Octomatic		C-46	PL.	T. C.	50,000-Z	1.00
15 Watt A.C., D.C., Amplifier.....		C-53	PL.	V. C.	200,000-Z	1.00
15 Watt A.C. Amplifier.....		C-53	PL.	T. C.	200,000-Z	1.00

REMLER CO., LTD.

19, 21-3, 27 (Auto).....		C-60	SW.	V. C.	500,000-Z	\$1.00
19	W-34	C-34	PL.	{ AVC 15,000-V	1.00	
				"Cath Rheo		
10, 15, 53, 53-C.....	W-34	C-34	SW.	V. C.	15,000-V	1.00
21	W-33	C-33	SW.	V. C.	10,000-U	1.00
11, 17		C-41	SW.	V. C.	25,000-W	1.00
26 AC-DC	W-37	C-37	SW.	V. C.	20,000-U	1.00
10-3, 30, 40.....	W-29	C-29	SW.	V. C.	10,000-U	1.00
10-4, 21-4, 42.....		C-60	SW.	V. C.	500,000-Z	1.00
19, 21-3		C-40	PL.	T. C.	25,000-S	1.00
10-3, 11, 17	W-27	C-27	PL.	T. C.	10,000-S	1.00
10-4, 21-4		C-63	PL.	T. C.	1,000,000-Z	1.00
26 (Above No. 54760).....	W-34	C-34	SW.	V. C.	15,000-V	1.00

REPUBLIC INDUSTRIES

"Skyhawk" RC-5, RC-6		C-60	SW.	V. C.	500,000-Z	\$1.00
"Skyhawk" SL-5-D, SL-6-D.....		C-60	SW.	V. C.	500,000-Z	1.00
"Skyhawk" SL-6	W-29	C-29	SW.	V. C.	10,000-U	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

REPUBLIC INDUSTRIES (Continued)

BP-5-E (AC-DC)	W-29	C-29		SW.	V. C.	10,000-U	\$1.00
CS-6, TL-6C, TR-5B		C-60		SW.	V. C.	500,000-Z	1.00
"Skyhawk" RC-5, RC-6, SL-5-D, SL-6.....		C-64		PL.	V. C.	250,000-Z	1.00
SL-6-D, CS-6, TL-6-C.....		C-64		PL.	V. C.	250,000-Z	1.00

R. K. RADIO LABORATORIES, INC.

RK-55 - Radiokeg	W-29	C-29		SW.	V. C.	10,000-U	\$1.00
4 tube	W-42	C-42		SW.	V. C.	30,000-S	1.00
RK-60-G, 60-L		C-60		SW.	V. C.	500,000-Z	1.00
RKP-4	W-37	C-37		SW.	V. C.	20,000-U	1.00
421, 422, 423, 424.....	W-37	C-37		SW.	V. C.	20,000-U	1.00
425, 426, 427	W-37	C-37		SW.	V. C.	20,000-U	1.00
425, 426, 427, 521, 522, 534.....	W-27	C-27		PL.	T. C.	10,000-S	1.00
521, 522, 534, 631, 633.....		C-60		SW.	V. C.	500,000-Z	1.00
631, 633	W-27	C-27		PL.	T. C.	10,000-S	1.00

RCA MFG. CO., INC.

RCA VICTOR

R-4, R-6, R-7, R-7A, R-7DC, R-9DC, R-9.....	W-19	X-368	PL.	V. C.	4,350-S	1.50*	
R-5, R-5DC, R-5X	W-37	C-37	PL.	V. C.	20,000-U	1.50*	
R-7-LW, Superette, R-3-C	W-19		PL.	V. C.	5,000-S	1.00	
R-8, R-10, R-11, R-12, RE-18, RE-19, RE-18A		X-367	PL.	V. C.	13,000-“TR”	1.50	
R-8DC (220 Volt)	W-19	X-368	PL.	V. C.	4,350-S	1.50*	
R-10DC	W-19	X-368	PL.	V. C.	4,350-S	1.50*	
RE-16, RE-16A	W-19	X-368	PL.	V. C.	4,350-S	1.50*	
R-17M, R-18W, R-27, 102.....		C-52	X-607	SW.	V. C.	200,000-S	2.00*
Rad. 18, 18-DC, 7-11, 7-26X, 9-16.....	W-12		X-255	PL.	V. C.	2,000-L	1.50*
RE-20, R-50, R-55, RAE-59.....		C-45	X-366	PL.	V. C.	50,000-“TL”	1.50*
R-21, R-23, RAE-26			X-367	PL.	V. C.	13,000-TR Sp	1.50
Rad. 21 and Rad. 22 (Battery)		C-45		PL.	V. C.	50,000-W	1.00
R-22-S, R-22-W, 114	W-19	X-609	SW.	V. C.	4,500-S	2.00*	
RE45	W-6	X-747	PL.	Phono	500-S	1.50*	
R-24, R-71, R-72, R-74		C-45	X-608	PL.	V. C.	50,000-“TL”	1.50*
R-24-A (47)	W-30	C-30		PL.	V. C.	10,000-V	1.00
R-24-A (2A5)		C-66		PL.	V. C.	2,000,000-Z	1.00
R-25-DC	W-19			PL.	V. C.	5,000-S	1.00
R-28, R-28-P, R-28-P (A to G), RE-40-P	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
M-30		C-40	X-611	PL.	V. C.	50,000-S	1.50*
P-31		C-63		PL.	V. C.	1,000,000-Z	1.00
M-32		C-63	X-616	PL.	V. C.	1,000,000-“TL”	1.50*
Victor R-32, RE-45, RE-52, RE-75			X-283	PL.	V. C.	P-3,800-“TL”	2.50
						R-3,800-“TL”	
Rad. 33 (AC-DC) (DC-220)	W-12		X-256	PL.	V. C.	2,000-L	1.50*
M-34, M-105 (Auto) AR-5006		C-53	X-536	SW.	V. C.	200,000-Z	2.00*
Victor R-35, R-39, RE-57, RE-73			X-389	PL.	V. C.	P-20,000-“TL”	2.50
						R-1,000-S	
RE-40	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
R-43	W-44	C-44		PL.	V. C.	50,000-S	1.00
Rad. 44, 46, 47	W-15		X-365	PL.	V. C.	2,900	1.50*
Rad. 46-DC		C-44	X-753	PL.	V. C.	50,000-S	1.50*
Rad. 48, RCA, 15, 42			X-257	PL.	V. C.	P-10,000-“TL”	2.50
						R-10,000-“TL”	
Rad. 51	W-12		X-255	PL.	V. C.	2,000-L	1.50*
Rad. 60, Rad. 62	W-6		X-755	PL.	V. C.	500-S	1.50*
Rad. 66	W-7			PL.	V. C.	750-S	1.00
Rad. 64, 67, 9-18, 9-54	W-8		X-754	PL.	V. C.	1,000-S	1.50*
R-70 and R-70-N	W-25	C-25		PL.	V. C.	7,500-V	1.00
RAE 68	W-1		X-627	PL.	V. C.	60 Ohm-S	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

RCA MFG. CO., INC. (Continued)

RC104		X-746	SW.	V. C.	4,000-S	\$2.00*	
R-73 (47)	W-30	C-30	PL.	V. C.	10,000-V	1.00	
R-73-A (2A5)		C 66	PL.	V. C.	2,000,000-Z	1.00	
R-75 (47), RE-80	W-30	C-30	PL.	V. C.	10,000-V	1.00	
R-75-A (2A5)		C-66	PL.	V. C.	2,000,000-Z	1.00	
R-76, R-77, RE-81		C-45	X-608	PL.	V. C.	50,000-“TL”	1.50*
RAE-79		C-45	X-366	PL.	V. C.	50,000-W	1.50*
Raf. 80, 82, 86	W-19		X-191	SW.	V. C.	3,600-S	2.00*
RE-80-SW	W-30	C-30	PL.	V. C.	10,000-V	1.00	
91-B		C-54	PL.	V. C.	200,000-V	1.00	
100, 101, 103	W-19	C-19	X-750	SW.	V. C.	4,000-S	2.00*
110, 111, 115	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
112, 112-A	W-19	C-19		SW.	V. C.	5,000-S	1.00
RC-98		C-15	X-748	SW.	V. C.	3,000-S	2.00*
M-116		C-53	PL.	V. C.	200,000-Z	1.00	
126-B		C-44	PL.	V. C.	50,000-S	1.00	
135-B, 235-B, 236-B		C-64	PL.	V. C.	250,000-Z	1.00	
142-B, 241-B		C-45	X-612	PL.	V. C.	50,000-“TL”	1.50*
210, 310	W-15		X-613	SW.	V. C.	3,000-S	2.00*
300		C-44		SW.	V. C.	50,000-S	1.00
301	W-21	C-21		SW.	V. C.	5,000-V	1.00
17, 17DC, 50	W-12		X-254	PL.	V. C.	2,000-“TL”	1.50*
R3-B		C-49		PL.	V. C.	100,000-S	1.00
300 (Phono Control)	W-20	C-20	X-610	PL.	PhonoCon.	5,000-“TL”	1.50*
R-70, R-70N, R-76, R-77, RE-81		C-60		SW.	T. C.	500,000-Z	1.00
R-37, 37P, 33, 38P		C-60	X-115	SW.	T. C.	500,000-“TL”	2.00*
R-78, RAE-84, R-78 (Noise Supp.)		C-60	X-618	PL.	T. C.	500,000-“TL”	1.50*
R-75 (2-47) RE-80	W-30	C-30		PL.	Sil.Tun.	10,000-V	1.00
262, 263, 281, 341, 381 (Sensitivity)	W-8			PL.	Sen.Con.	1,000-S	1.00
142, 242, 243—(Sen.)	W-8			PL.	Sen Con.	1,000-S	1.00
R-11, RE-16A, R-7A, RE-18, RE-18A		C-33	X-620	SW.	T. C.	200,000-Z	2.00*
R-21, RAE-26		C-53	X-620	SW.	T. C.	200,000-Z	2.00*
121, 122, 127, 221, 320, 321, 327		C-51	X-621	SW.	T. C.	100,000-“TL”	2.00*
R-74		C-71	X-622	PL.	T. C.	100,000-Z	1.50*
R-72, R-71, R-24		C-45	X-623	PL.	T. C.	50,000-W	1.50*
120, 124		C-51	X-624	SW.	T. C.	100,000-Z	2.00*
110, 111, 115		C-51	X-625	PL.	T. C.	100,000-Z	1.50*
R-24, (47), R-24 (2A5)		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
R-4, R-6, R-8, R-10, R-12, RE-19, RO-23		C-46	X-626	SW.	T. C.	50,000-Z	2.00*
Superette Radiola		C-60	X-751	PL.	T. C.	500,000-Z	1.50*
R-7, R-7DC, R-8DC (220V) R-10DC		C-60		PL.	T. C.	500,000-Z	1.00
R-43		C-44		PL.	T. C.	50,000-Z	1.00
RAE84			X-791	PL.	V. C.	36,000-Sp.T.	1.50
330		C-60	X-619	PL.	T. C.	500,000-“TL”	1.50*
R-51B, 53-B, RE-40P		C-63	X-606	PL.	T. C.	4,000,000-Z	1.50*
R-73, R-73A, (2A5), R-75, R-75 (2A5)		C-56	X-601	SW.	T. C.	2,000,000-Z	2.00*
RE-80, RE-80sw		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
RE-20, R-50, R-55, RAE-59, RAE-79		C-50	X-602	PL.	T. C.	500,000-Z	1.50*
R-90, R-90P, (Bass)		C-53	X-603	PL.	T. C.	200,000-Z	1.50*
R-90, R-90P, (Treble)		C-68	X-606	PL.	T. C.	4,000,000-Z	1.50*
M-116		C-53		PL.	T. C.	1,000,000-Z	1.00
M-123		C-43		PL.	T. C.	40,000-S	1.00
128, 224, 226, ACR-136, 224E, 322, 322-E		C-51		PL.	T. C.	100,000-Z	1.00
135B, 235B, 236B		C-60		PL.	T. C.	500,000-Z	1.00
9-54, 9-56, 64, 9-18	W-11		X-752	PL.	Sen.Con.	2,000-S	1.50*
143, 242, 243		C-63		SW.	T. C.	1,000,000-Z	1.00
220, 222		C-51	X-617	SW.	T. C.	100,000-Z	2.00*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							
RCA MFG. CO., INC. (Continued)							
260, 261, 280, 380, 380-HR (Treble).....	C-68	X-606	PL.	T. C.	4,000,000-Z	\$1.50*	
260, 261, 280, 380, 380-HR (Bass).....	C-53	X-603	PL.	T. C.	200,000-Z	1.50*	
262, 263 (Treble)	C-63		PL.	T. C.	1,000,000-Z	1.00	
262, 263, 281, 381 (Bass).....	C-53		PL.	T. C.	200,000-Z	1.00	
281, 381, (Treble)	C-68		PL.	T. C.	4,000,000-Z	1.00	
310, 210	C-51	X-361	PL.	T. C.	100,000-"TL"	1.50*	
341	C-63		SW.	T. C.	1,000,000-Z	1.00	
R-73 (2A5), R-75A (2A5).....	W-25	C-25	PL.	N. S.	7,500-V	1.00	
R-78, RAE-84, ACR-136	W-19		SW.	N. S.	5,000-S	1.00	
R-90, R-90P	W-19		PL.	N. S.	5,000-S	1.00	
M-123	W-11	C-11	PL.	N. S.	2,000-S	1.00	
260, 261, 280, 380, 380-HR	W-19		PL.	N. S.	5,000-S	1.00	
106, 240		X-749	SW.	T. C.	1,000,000-"TL"	2.00	
R-71-B	C-53		SW.	T. C.	200,000-Z	1.00	
140, 140-E, 141, 141-E.....	C-63	X-604	SW.	T. C.	1,000,000-Z	2.00*	
AVR-1, 240	C-63	X-604	SW.	T. C.	1,000,000-Z	2.00*	
331	C-60	X-605	PL.	T. C.	500,000-"TL"	1.50*	
223	C-51		PL.	T. C.	100,000-Z	1.00	
320	C-51	X-621	SW.	T. C.	100,000-Z	2.00*	
340-340-E	C-68		SW.	T. C.	4,000,000-Z	1.00	
310, RE-40, RE-40P	W-19		X-745	Spec.SW.	Phono V.C. 5,000-S	2.00*	
M-104, M-108		C-64	SW.	V. C.	250,000-Z	1.00	
109	C-51		PL.	T. C.	100,000-Z	1.00	
236-B, BT6-3, BC6-4, BT6-10.....	C-64		PL.	V. C.	250,000-Z	1.00	
322, 322-E (Duo)	C-51		PL.	T. C.	100,000-Z	1.00	
T4-8, T4-9	W-21	C-21	SW.	V. C.	5,000-V	1.00	
T4-10		C-54	SW.	V. C.	200,000-V	1.00	
T6-9		C-66	PL.	V. C.	2,000,000-Z	1.00	
BT7-8, BC7-9		C-64	PL.	V. C.	250,000-Z	1.00	
T10-1, T10-3, C11-1 (1935).....		C-60	PL.	T. C.	500,000-Z	1.00	
C13-2, C15-3 (1935)		C-68	PL.	T. C.	4,000,000-Z	1.00	
RE59		X-744	SW.	Phono	60-S	2.00	
SAVIL RADIO ENGINEERING CORP.							
557, 589, 715	W-29	C-29	SW.	V. C.	10,000-U	\$1.00	
557, 589		C-64	PL.	T. C.	250,000-Z	1.00	
SCOTT TRANSFORMER CO.							
Deluxe A.V.C. Super		C-51	PL.	T. C.	100,000-Z	\$1.00	
AC-10		C-48	SW.	V. C.	75,000-V	1.00	
Scott All Wave Super		C-51	PL.	V. C.	100,000-Z	1.00	
SEARS-ROEBUCK & CO. (Silvertone)							
111	W-34	C-34	PL.	V. C.	15,000-V	\$1.00	
Silvertone 1370, 1430	W-34	C-34	SW.	V. C.	15,000-V	1.00	
Silvertone 1320, 1322, 1324	W-33	C-33	SW.	V. C.	15,000-U	1.00	
Silvertone 1390, 1400, 1402, 1404, 1406.....	W-33	C-33	SW.	V. C.	15,000-U	1.00	
1580, 1582, 1584	W-34	C-34	SW.	V. C.	15,000-V	1.00	
1620, 1622 (Battery)	W-1		SW.	V. C.	50-S	1.00	
1590, 1592, 1630	W-33	C-33	SW.	V. C.	15,000-U	1.00	
1640	W-2		SW.	Phantom Tun.	100-S	1.00	
Silvertone FF, J,	W-28	C-28	PL.	V. C.	10,000-N	1.00	
1700, 1762	W-16	C-16	SW.	V. C.	3,000-U	1.00	
1703, 7064		C-54	SW.	V. C.	200,000-V	1.00	
1704, 7070, 7071, 7072, 7073, 7074.....		C-60	SW.	V. C.	500,000-Z	1.00	
1705	W-6		PL.	Power Con.	500-S	1.00	
1706, 170, 1708, 1709		C-60	SW.	V. C.	500,000-Z	1.00	
1708, 1709, 1720, 1725, 7065.....	W-8		PL.	N. S.	1,000-S	1.00	
1710, 1711, 7090 (Battery)	W-1		PL.	V. C.	50-S	1.00	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls  *for control precision*



*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

SEARS-ROEBUCK & CO. (Continued)

1857-A	W-15			PL.	V. C.	3,000-S	\$1.00
1857-A		C-60		SW.	T. C.	500,000-Z	1.00
1864 (Auto)		C-60		PL.	T. C.	500,000-Z	1.00
7141, 7142		C-60		SW.	V. C.	500,000-Z	1.00

SENTINEL RADIO CORP.
UNITED AIR CLEANER CORP.

104, 106-B, 440, 444, 11, 12, 15, 16	W-29	C-29	X-261	PL.	V. C.	10,000-U	\$1.50*
108, 666, 666-C	W-29	C-29	X-261	PL.	V. C.	10,000-U	1.50*
108-A, 110, 108-B, 109, 111	W-25		X-259	SW.	V. C.	7,500-V	2.00*
114, 118, 120		C-60	X-370	SW.	V. C.	500,000-Z	2.00*
8-9	W-34	C-34		PL.	V. C.	15,000-V	1.00
261		C-60		PL.	V. C.	500,000-Z	1.00
560, 561	W-33	C-33		SW.	V. C.	15,000-U	1.00
501, 502, 660	W-32	C-32		PL.	V. C.	15,000-S	1.00
570, 599	W-33	C-33		SW.	V. C.	15,000-U	1.00
513	W-29	C-29		SW.	V. C.	10,000-U	1.00
602, 1040, 5500 (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
622, 623, 634, 635		C-64		SW.	V. C.	250,000-Z	1.00
1020-A, 1030-A, 114		C-60		SW.	V. C.	500,000-Z	1.00
5000, 5100, 6101, 6102	W-33	C-33		PL.	V. C.	15,000-U	1.00
118, 125, 603 (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
261, 521, 600 (Auto)		C-60		PL.	V. C.	500,000-Z	1.00
550	W-33	C-33		SW.	V. C.	15,000-U	1.00
4300	W-34	C-34		SW.	V. C.	15,000-V	1.00
5700, 5721		C-60		SW.	V. C.	500,000-Z	1.00
6315, 6317, 6321		C-64		SW.	V. C.	250,000-Z	1.00
6200, 6234, 6241		C-60		PL.	V. C.	500,000-Z	1.00
7700, 7734, 7741		C-60		SW.	V. C.	500,000-Z	1.00
108, 108-A, 108-B, 109, 110, 111, 106-B		C-46		PL.	T. C.	50,000-Z	1.00
114, 622, 623, 634, 635		C-46		PL.	T. C.	50,000-Z	1.00
1020-A, 1030-A		C-46		PL.	T. C.	50,000-Z	1.00
114, 118, 125, 6315		C-46		PL.	T. C.	50,000-Z	1.00
6317, 6321		C-46		PL.	T. C.	50,000-Z	1.00
1040		C-42		PL.	T. C.	30,000-S	1.00
31-B		C-46	Sp.D.P.S.T.	T. C.	50,000-Z	1.00	
4100-B, (Erla), 4800	W-33	C-33		SW.	V. C.	15,000-U	1.00
4500	W-37	C-37		SW.	V. C.	20,000-U	1.00
5600		C-60		PL.	V. C.	500,000-Z	1.00
5600		C-40		SW.	T. C.	25,000-S	1.00

SILVER-MARSHALL, INC. . .

712, 722, 30, 30-B, 60-B, 75-B, 95-B	W-31	X-262	PL.	V. C.	10,000-W	\$1.50*	
1016	W-27	X-494	SW.	V. C.	10,000-S	2.00*	
714	W-30	C-30	PL.	V. C.	10,000-V	1.00	
720, SG-6, 724, 740, 35-A	W-15	C-15	PL.	V. C.	3,000-S	1.00	
770	W-38	C-38	PL.	V. C.	20,000-V	1.00	
Bearcat, 37, 38, 39, 782	W-30	C-30	SW.	V. C.	10,000-V	1.00	
A, F, D, E, 716, C	W-21		PL.	V. C.	5,000-V	1.00	
726, 726-SW, G	W-21		SW.	V. C.	5,000-V	1.00	
B	W-31		SW.	V. C.	10,000-W	1.00	
773 BC & LW, J	W-21		SW.	V. C.	5,000-V	1.00	
727-SW, Q, R		C-64	SW.	V. C.	250,000-Z	1.00	
36-A	W-17	C-17	PL.	V. C.	3,000-V	1.00	
SM, Y39			X-813	SW.	V. C.	375,000-“TL”	2.00
728-SW, Q Deluxe		C-60		SW.	V. C.	500,000-Z	1.00
728-SW, Q Deluxe	W-15			SW.	N. S.	3,000-S	1.00
V, 729-SW, Q type 1		C-60		SW.	V. C.	500,000-Z	1.00
V	W-15			SW.	N. S.	3,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

SILVER-MARSHALL, INC. (Continued)

C W-AVC		C-40		PL.	V. C.	25,000-S	\$1.00
Q type 3		C-64		SW.	V. C.	250,000-Z	1.00
"Z" Deluxe, Z-13		C-60		SW.	V. C.	500,000-Z	1.00
"Z"-10, 4801, 4802		C-60		PL.	V. C.	500,000-Z	1.00
4801, 4802		C-39		PL.	N. S.	20,000-W	1.00
Bearcat, 37, 38, 39, 782, G		C-63		PL.	T. C.	1,000,000-Z	1.00
A, F, D, E, 726-SW, 773, J, C, W-AVC		C-60		PL.	T. C.	500,000-Z	1.00
716	W-27	C-27		PL.	T. C.	10,000-S	1.00
"C"	W-36	C-36		PL.	T. C.	20,000-S	1.00
727-SW, 728-SW, Q, R, V		C-51		PL.	T. C.	100,000-Z	1.00
Q Deluxe, Q types 1 & 3		C-51		PL.	T. C.	100,000-Z	1.00
729-SW, Z-Deluxe, Z-13	W-20	C-20		PL.	T. C.	5,000-U	1.00
Z-10		C-64		SW.	T. C.	250,000-Z	1.00
4801, 4802		C-51		SW.	T. C.	100,000-Z	1.00

SIMPLEX RADIO CO.

D	W-28	C-28		PL.	V. C.	10,000-N	\$1.00
F		C-45		SW.	V. C.	50,000-W	1.00
H-“AC”	W-17	C-17		SW.	V. C.	3,000-V	1.00
K, Q, R (Above 320001)	W-24	C-24		SW.	V. C.	7,500-U	1.00
J	W-16	C-16		SW.	V. C.	3,000-U	1.00
L		C-44		SW.	V. C.	50,000-S	1.00
P No. 162500 & up		C-60		SW.	V. C.	500,000-Z	1.00
P (Battery)	W-27			PL.	V. C.	10,000-S	1.00
P-“AC” Above 330001		C-64		SW.	V. C.	250,000-Z	1.00
P-“32V” Above 350001		C-64		SW.	V. C.	250,000-Z	1.00
P-1500-4000-KC	W-24	C-24		SW.	V. C.	7,500-U	1.00
G			X-779	SW.	V. C.	P-500-S	3.00
						R-15,000-“TL”	
P (Battery 173501 Up)		C-64		PL.	V. C.	250,000-Z	1.00
T (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
U, V (AC-DC)		C-49		SW.	V. C.	100,000-S	1.00
W (All Wave)		C-60		SW.	V. C.	500,000-Z	1.00
X	W-25	C-25		SW.	V. C.	7,500-V	1.00
H “AC”		C-60		PL.	T. C.	500,000-Z	1.00
W, J, L, P, Q, R, P (Battery Types)		C-51		PL.	T. C.	100,000-Z	1.00
P (1500-4000 KC) P-“32-V” above 350001		C-51		SW for S.W.	T. C.	100,000-Z	1.00
P-“AC” Above 330001		C-51		SW for S.W.	T. C.	100,000-Z	1.00
P-Dual Band (Above 600001)		C-60		PL.	V. C.	500,000-Z	1.00
P-Dual Band (Above 600001)		C-51		SW.	T. C.	100,000-Z	1.00
U-E, U, AC-DC		C-60		SW.	V. C.	500,000-Z	1.00

SONORA PHONOGRAPH CO., INC.

2R, 3R, 4R, 5R, A30, A32, A36, A40, A46	W-11	X-764	PL.	V. C.	2,000-S	\$1.50*
B-31, 33, 35, 34	W-11	X-266	PL.	V. C.	2,000-S	1.50*
64, 74	W-24	C-24	PL.	V. C.	7,500-U	1.00
70		C-63	PL.	V. C.	1,000,000-Z	1.00
64		C-60	PL.	T. C.	500,000-Z	1.00
70		C-53	PL.	T. C.	200,000-Z	1.00

SPARKS-WITHINGTON CO.

SPARTON

78, 89, 60, 103, 109, 301, 578, 69, 79A		X-377	PL.	V. C.	50,000-“TR”	\$1.50	
591, 593, 930, 79, 110, 931		X-377	PL.	V. C.	50,000-“TR”	1.50	
111, 564, 570, 574, 589, 600		X-378	PL.	V. C.	15,000-“TR”	1.50	
610, 620, 737, 740, 750, 870		X-378	PL.	V. C.	15,000-“TR”	1.50	
410, 420, 9-A, 600-A, 610-A, 620-A		X-379	SW.	V. C.	P-30,000-“TL”	3.00	
					R-50,000-“TR”		
55, 31		C-63	PL.	V. C.	1,000,000-Z	1.00	
5, 9		C-32	X-767	SW.	V. C.	15,000-S	1.50*

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

SPARKS-WITHINGTON CO. (Continued)
SPARTON

56, 27	W-11			SW.	V. C.	2,000-S	\$1.00
16, 16-AW	W-30	C-30		SW.	V. C.	10,000-V	1.00
26-AW, 30, 45	W-21			SW.	V. C.	5,000-V	1.00
14, 34		C-64		PL.	V. C.	250,000-Z	1.00
14	W-15			PL.	N. S.	3,000-S	1.00
25, 26	W-19		X-766	SW.	V. C.	5,000-S	2.00*
18	W-30			SW.	V. C.	10,000-V	1.00
15	W-7		X-768	SW.	V. C.	750-S	2.00*
41 (Police Auto Radio)		C-42		PL.	V. C.	30,000-S	1.00
40 (Auto)		C-64	X-770	SW.	V. C.	250,000-Z	2.00*
235	W-34	C-34		PL.	V. C.	15,000-V	1.00
235, 35		C-45		PL.	Phono.Con.	50,000-W	1.00
35	W-21	C-21		PL.	V. C.	5,000-V	1.00
27-A, 28	W-30	C-30		SW.	V. C.	10,000-V	1.00
61, 62, 71, 71-B, 72, 78		C-64		SW.	V. C.	250,000-Z	1.00
72, 74, 78	W-19			PL.	N. S.	5,000-S	1.00
74		C-64		PL.	V. C.	250,000-Z	1.00
81 (Battery), 82	W-37	C-37		PL.	V. C.	20,000-U	1.00
10			X-769	SW.	V. C.	2,200-"TR"	2.00
53, 57 AC-DC		C-60		SW.	V. C.	500,000-Z	1.00
65, 66		C-60	X-508	SW.	V. C.	500,000-Z	2.00*
67, 68		C-60	X-507	SW.	V. C.	500,000-Z	2.00*
75A, 475A, 478A		C-64		PL.	V. C.	250,000-Z	1.00
75A, 475A, 478A		C-49		PL.	N. S.	100,000-S	1.00
80, 83, 84, 85X, 86X, 104		C-64	X-630	SW.	V. C.	250,000-Z	2.00*
80, 83, 84, 85X, 86X, 104	W-19		X-632	PL.	Volt. Reg.	5,000-S	1.50*
80, 83, 84, 85X, 86X, 104		C-49	X-633	PL.	Sen.Cont.	100,000-S	1.50*
80, 83, 84, 85X, 86X, 104		C-51	X-631	PL.	T. C.	100,000-Z	1.50*
12, 15, 25, 26, 30, 35		C-46		PL.	T. C.	50,000-Z	1.00
45, 51, 52, 56, 26-AW		C-46		PL.	T. C.	50,000-Z	1.00
16, 16-AW		C-42		PL.	T. C.	30,000-S	1.00
AR-19			X-765	PL.	V. C.	2,000,000-S	1.50
Auto 30			X-770	SW.	V. C.	250,000-Z	2.00
54 (Battery)		C-64		PL.	V. C.	250,000-Z	1.00
14, 74		C-51		SW.	T. C.	100,000-Z	1.00
18, 27, 27-A, 28		C-51		PL.	T. C.	100,000-Z	1.00
54, 75-A, 475-A, 478-A		C-46		SW.	T. C.	50,000-Z	1.00
58	W-37	C-37		PL.	V. C.	20,000-U	1.00
70, 71		C-64		D.P.S.T.	V. C.	250,000-Z	1.00
134, 136, 655		C-64		SW.	V. C.	250,000-Z	1.00
134, 136		C-51		PL.	T. C.	100,000-Z	1.00
134, 136		C-51		PL.	Sen. Con.	100,000-Z	1.00
506, 594		C-60		SW.	V. C.	500,000-Z	1.00
616, 616X, 666, 666X		C-63		SW.	V. C.	1,000,000-Z	1.00
716, 766, 766X, 766XP, 766XS		C-64		SW.	V. C.	250,000-Z	1.00
691, 65T, 66T, 66T (AC-DC)		C-64		SW.	V. C.	250,000-Z	1.00

STEFINITE RADIO CO.

40, 50, 102, 70, 80, 95		C-48		PL.	V. C.	75,000-V	\$1.00
261, 262, 263, 264, 265	W-28	C-28		PL.	V. C.	10,000-N	1.00
990, 991, 992, 993		C-58		PL.	V. C.	500,000-S	1.00
15 Chassis, Receivers 412 & 420		C-48		PL.	V. C.	75,000-V	1.00
17 Chassis, Models 210, 230, 420, 450		C-48		PL.	V. C.	75,000-V	1.00
21 Chassis, Models 421 & 425		C-48		SW.	V. C.	75,000-V	1.00
22 Chassis, Models 203, 600, 605	W-30	C-30		SW.	V. C.	10,000-V	1.00
22 Chassis, Models 630, 635, 642, 643	W-30	C-30		SW.	V. C.	10,000-V	1.00
22 Chassis, All Models	W-27	C-27		PL.	Phase Con.	10,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO. Prices do not include switch, except on "X" controls.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
STEINITE RADIO CO. (Continued)							
23 Chassis, Receiver 423		C-48		SW.	V. C.	75,000-V	\$1.00
26 Chassis, Models 700, 705, 706, 642-B.....	W-17	C-17		PL.	V. C.	3,000-V	1.00
28 Chassis, Models 700, 701	W-17	C-17		PL.	V. C.	3,000-V	1.00
STERLING MFG. CO.							
3A Chassis, 4	W-31	C-31		SW.	V. C.	10,000-W	\$1.00
Miniature, F, 8 tube, A (DC).....			X-332	SW.	V. C.	P-2,000-"TL"	3.00
VA	W-33	C-33		SW.	V. C.	15,000-U	1.00
M, N, P, Q			X-332	SW.	V. C.	P-2,000-"TL"	3.00
R-10,000-S							
B3, B4	W-31	C-31		SW.	V. C.	10,000-W	1.00
E			X-807	SW.	V. C.	P-1,800-S	3.00
R-5,000-S							
STEWART-WARNER CORP.							
300, 305, 310, 315, 320, 325, 330, 335, 340		W-3		PL.	V. C.	200-S	\$1.00
520, 525, 705, 710, 806.....		C-52		SW.	V. C.	200,000-S	1.00
345, 350, 355, 360		C-49		PL.	V. C.	100,000-S	1.00
530, 535, 715, 720	W-19	C-19		PL.	V. C.	5,000-S	1.00
750, 801, 811, 801A, 811A, Series B	W-28	C-28		PL.	V. C.	10,000-N	1.00
900 Series, (AC)		C-48	X-386	PL.	V. C.	75,000-V	1.50*
950 Series, 953, R-100 A, B, E (AC).....			X-385	PL.	V. C.	32,000-W	1.50
R-101A, R-101B	W-20	C-20		PL.	V. C.	5,000-U	1.00
102A, B, E	W-24	C-24		PL.	V. C.	7,500-U	1.00
R-104A, B, E		C-60		SW.	V. C.	500,000-Z	1.00
105		C-46		PL.	V. C.	50,000-Z	1.00
R-106A		C-64	X-814	SW.	V. C.	250,000-Z	2.00*
108, 108X Chassis, Models 10 to 20.....			X-167	SW.	V. C.	250,000-"TR"	2.00
109 Chassis, Models 1090 to 1099.....		C-60		SW.	V. C.	500,000-Z	1.00
R-106		C-60		PL.	V. C.	500,000-Z	1.00
R-106	W-25	C-25		SW.	Sen.Con.	7,500-V	1.00
R-110, Series, R-116, R-119		C-60		SW.	V. C.	500,000-Z	1.00
R-111, R-115		C-60	X-113	SW.	V. C.	500,000-Z	2.00*
R-120-A (R-120 Chassis)		C-60		PL.	V. C.	500,000-Z	1.00
R-120 EF (R-120 Chassis)		C-60		S.P.D.T.	V. C.	500,000-Z	1.00
					& Phono	SW.	
110-E, 110-A		C-58	X-114	SW.	V. C.	500,000-S	2.00*
R-123 Chassis, Models 1231 to 1239	W-23		X-194	SW.	V. C.	7,500-S	2.00*
R-125, R-125A, R-125X Chassis, 1251 to 1259		C-60		SW.	V. C.	500,000-Z	1.00
R-100C, 930DC, 950, 970, 980 Battery.....			X-815	PL.	V. C.	P-1,000-S	2.50
						R-100,000-"TL"	
Chassis R-127, R-127X, 1271 to 1279		C-60		SW.	V. C.	500,000-Z	1.00
102, A, B, E, R-104 A, B, E		C-46		PL.	T. C.	50,000-Z	1.00
105 Series		C-51		SW.	T. C.	100,000-Z	1.00
120 (1201 to 1209)	W-40	C-40		SW.	T. C.	25,000-S	1.00
Chassis R-126, A, P, X, (1261 to 1269)....		C-64		SW.	T. C.	250,000-Z	1.00
Chassis R-127, X, (1271 to 1279)		C-64		PL.	T. C.	250,000-Z	1.00
Chassis R-118, Models 1181, 1182, 1183 (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
Chassis R-130, Models 1301 to 1309 (Auto)		C-60		SW.	V. C.	500,000-Z	1.00
Chassis R-134, Models 1341 to 1349.....		C-64		SW.	V. C.	250,000-Z	1.00
Chassis R-134, Models 1341 to 1349.....		C-60		PL.	T. C.	500,000-Z	1.00
Chassis R-136 Models 1361 to 1369.....		C-64		SW.	V. C.	250,000-Z	1.00
Chassis R-136 Models 1361 to 1369.....		C-60		PL.	T. C.	500,000-Z	1.00
R-137, Models 1371 to 1379.....		C-64		SW.	V. C.	250,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

STEWART-WARNER CORP. (Continued)

Chassis R-137, Models 1371 to 1379.....	C-60		PL.	T. C.	500,000-Z	\$1.00
Chassis R-138 Models 1381 to 1389.....	C-64		SW.	V. C.	250,000-Z	1.00
Chassis R-138 Models 1381 to 1389.....	C-60		PL.	Bass,T. C.	500,000-Z	1.00
Chassis R-138 Models 1381 to 1389.....	C-63		PL.	Treble,T.C.	1,000,000-Z	1.00

STORY & CLARK PIANO CO.

36, 43, 51	W-16	X-273	PL.	V. C.	3,000-U	\$1.50*
C-108, Clock Model	W-34	C-34	SW.	V. C.	15,000-V	1.00

STROMBERG-CARLSON TEL. MFG. CO.

523, 524 DC, 734, 744.....	W-44	C-44	PL.	V. C.	50,000-S	\$1.00	
635, 636, 638 (Rear Short Shaft).....	W-28	C-28	X-275	PL.	V. C.	10,000-N	1.50*
635, 636, 638 (Rear Long Shaft).....			X-473	PL.	V. C.	10,000-“TL”	1.50
635, 636, 638 (Panel Double Shaft).....			X-399	PL.	V. C.	10,000-“TL”	1.50
641, 642, 643, 652, 654 (Rear Long Shaft) (Panel Double Shaft).....			X-387	PL.	V. C.	20,000-“TL”	1.50
641, 642, 643, 652, 654 (Panel Double Shaft).....			X-388	PL.	V. C.	800-S	1.50
846, 848 (Long Shaft).....			X-144	PL.	V. C.	20,000-“TL”	1.50
846, 848 (Double Shaft).....			X-474	PL.	V. C.	250,000-Z	1.50
27	C-64	X-476	PL.	V. C.	250,000-Z	1.50*	
734	C-45	X-475	PL.	V. C.	50,000-W	1.50*	
29	C-60	X-477	SW.	VC & TC	500,000-Z	2.00*	
48, 49, 50, 51		X-112	PL.	V. C.	P-1,000,000-S	2.50	
					R-3,000,000-“TL”		
645 D.C.		X-405	PL.	V. C.	P-20,000-“TL”	2.50	
					R-2,000-S		
734-B, 744-B	W-35	C-35	PL.	Phono	15,000-W	1.00	
10, 11, 25, 26		X-738	PL.	V. C.	1,000-“TL”	1.50*	
22, 24	C-60	X-737	PL.	V. C.	500,000-Z	1.50*	
12, 14	C-64		PL.	V. C.	250,000-Z	1.00	
16, 17 DC	W-8		PL.	V. C.	1,000-S	1.00	
33 Auto		X-733	SW.	V. C.	1,000,000-“TL”	2.00	
55, 56, 68	W-30	C-30	PL.	V. C.	10,000-V	1.00	
64	C-66		SW.	V. C.	2,000,000-Z	1.00	
60	C-66	X-740	PL.	V. C.	2,000,000-“TL”	1.50*	
19, 20, 21, 202		X-735	PL.	T. C.	100,000-“TR”	1.50	
37, 38, 39, 40, 41, 68	C-60	X-739	SW.	T. C.	500,000-Z	2.00*	
19, 20, 21, 202		X-783	PL.	V. C.	1,000-S	1.50	
48, 49, 50, 51, 52, 54, 68	C-64		SW.	T. C.	250,000-Z	1.00	
55, 56, 64	C-64		PL.	T. C.	250,000-Z	1.00	
60	W-33	C-33	SW.	T. C.	10,000-U	1.00	
58L, 58LB, 58T, 58TB, 58W, 58WB	C-63		PL.	V. C.	1,000,000-Z	1.00	
58L, 58LB, 58T, 58TB, 58W, 58WB	C-60		SW.	T. C.	500,000-Z	1.00	
62, 63 (1935)	C-66		PL.	V. C.	2,000,000-Z	1.00	
62, 63 (1935)	C-66		SW.	T. C.	2,000,000-Z	1.00	
70 Series, 83, 83-B (1935)	C-66		SW.	T. C.	2,000,000-Z	1.00	
37, 39, 40, 41		X-741	SW.	V. C.	P-250,000-“TL”	3.00	
					R-250,000-“TL”		
10, 11, 12, 14, 27, 19, 20, 21, 22, 25, 26, 29		X-736	PL.	Hum.Con.	400-S	1.50	
52, 54		X-734	PL.	V. C.	P-1,000,000-S	2.50	
					R-5,000,000-“TL”		
37		X-732	PL.	V. C.	P-250,000-S	2.50	
					R-250,000-S		

SUPREME INSTRUMENT CORP.

Part No. 7436	X-719	PL.	Single Unit	1,000-Sp.	\$1.50
Part No. 7438	X-720	PL.	Triple Unit Spec.	Tapers	3.50
Part No. 7437	X-721	PL.	Dual Unit	1,000-Sp.TL	2.50
		Spec.	Tapers	3,600-S	
Part No. 7081	X-722	PL.	Triple Unit Spec.	Tapers	3.50

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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SUPREME INSTRUMENT CORP. (Continued)

89-D Part No. 7080	X-723	PL.	Dual	P-1,000-"TL"	\$2.50
				R-3,600-S	
Part No. 7042 9/16" Bushing	X-724	PL.	Single	1,000-Sp.TL	1.50
Part No. 7042 1" Bushing	X-725	PL.	Single	1,000-Sp.TL	1.50
Part No. 7042 1/4" Bushing, 89-S	X-726	PL.	Single	1,000-Sp.TL	1.50
No. 91	X-727	PL.	Single	2,000-S	1.50
Counter No. 6616, Part No. 85	X-728	PL.	Single	200-S	1.50
Part 6679, Model No. 85, 35	X-729	PL.	Single	1,500-S	1.50
Stock No. 6492, Model 85, 35	X-730	PL.	Single	200-S	1.50
Part 6333, Model 444, 333, 111	X-731	PL.	Single	3,600-S	1.50
Part 6333, Model 222, 333-D, 333S, Standard Diagram	X-731	PL.	Single	3,600-S	1.50

L. TATRO PRODUCTS CORP.

K54, M54, NH44	C-60	PL.	V. C.	500,000-Z	\$1.00
084 (32 Volt)	C-60	SW.	V. C.	500,000-Z	1.00
F913, 923, E83, D73, D76	W-19	C-19	SW.	V. C.	5,000-S
AK54, AM54, Mayor & Senator		C-60	PL.	V. C.	500,000-Z
L74, N74, P54		C-60	PL.	V. C.	500,000-Z
094, President		C-60	PL.	V. C.	500,000-Z
084 (32 Volt)		C-39	PL.	T. C.	20,000-W
L54, N54, F913, 923, E83		C-60	PL.	T. C.	500,000-Z
D73, D76, AK54, AM54, 094		C-60	PL.	T. C.	500,000-Z
L74, N74		C-60	PL.	T. C.	500,000-Z
H465, I465, A525, B525		C-60	SW.	V. C.	500,000-Z
H465, I465, A525, B525		C-60	PL.	T. C.	500,000-Z
L-525		C-63	PL.	V. C.	1,000,000-Z
L-525		C-51	SW.	T. C.	100,000-Z
C-625, D-625, J-665, K-665		C-60	SW.	V. C.	500,000-Z
C-625, D-625, J-665, K-665		C-60	PL.	T. C.	500,000-Z
F-725		C-60	SW.	V. C.	500,000-Z
F-725		C-60	PL.	T. C.	500,000-Z

TEMPLE CORP.

8-60, 8-80, 8-90	W-28	C-28	PL.	V. C.	10,000-N	\$1.00	
8-61, 8-81, 8-91, 5-51			X-278	PL.	V. C.	P-10,000-U R-500,000-Z	
DC		W-8		X-277	SW.	V. C.	1 000-S

TRANSFORMER CORP. OF AMERICA

"CLARION"

31, 33	W-21	X-143	SW.	V. C.	5,000-V	\$2.00*
AC-51, 53, 55	W-31	C-31	X-319	SW.	V. C.	10,000-W 2.00*
AC-220, 25-220	W-21			PL.	V. C.	5,000-V 1.00
AC-300, 241, 360		C-60		PL.	V. C.	500,000-Z 1.00
TC-30		C-33		SW.	V. C.	15,000-U 1.00
TC-20, 21		C-60		SW.	V. C.	500,000-Z 1.00
TC-40, TC-52, TC-60	W-29	C-29		SW.	V. C.	10,000-U 1.00
84, 85, AC-220, 25-220, A-300, 241, 360		C-51		SW.	T. C.	100,000-Z 1.00
220, 240, 260, 280, 340, 480		C-51	X-117	SW.	T. C.	100,000-Z 2.00*
G-490		C-51	X-119	SW.	T. C.	100,000-Z 2.00*
G-500		C-51	X-157	PL.	T. C.	100,000-Z 1.50*
470, 472		C-51	X-150	SW.	T. C.	100,000-Z 2.00*
G-510		C-60	X-136	SW.	T. C.	500,000-Z 2.00*
AC-160, 25-160, 120		C-51	X-284	SW.	T. C.	100,000-Z 2.00*
AC-280, 240, 260, AC-220, 280		C-51	X-285	SW.	T. C.	100,000-Z 2.00*
AC-94, 25-94, 90	W-29	C-29		SW.	T. C.	10,000-U 1.00
TC-60		C-51		PL.	T. C.	100,000-Z 1.00
G-480			X-146	PL.	N. S.	20,000-V 1.50
AC-300	W-31	C-31		PL.	N. S.	10,000-W 1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

TRANSFORMER CORP. OF AMERICA (Continued)

70, 61	W-29	C-29	PL.	V. C.	10,000-U	\$1.00	
80, 84, 85, 120	W-30	C-30	X-152	PL.	V. C.	10,000-V	1.50*
90, 94, 25-94		W-6	X-153	SW.	V. C.	500-S	2.00*
40, 45		W-21	X-143	SW.	V. C.	5,000-V	2.00*
100		W-21	X-305	SW.	V. C.	5,000-V	2.00*
160	W-8	C-8		SW.	V. C.	1,000-S	1.00
10		C-64		SW.	V. C.	250,000-Z	1.00
240-AC, 280-AC		C-60		PL.	V. C.	500,000-Z	1.00
AC-60 (25-60 Cycle) Clarion Junior			X-151	SW.	V. C.	25,000-"TL"	2.00
320	W-29	C-29		PL.	V. C.	10,000-U	1.00
340, 450, G-480		C-60		PL.	V. C.	500,000-Z	1.00
G-240, 260-AC			X-158	PL.	V. C.	750,000-Sp.T.	1.50
422, 423, 425, 440			X-148	SW.	V. C.	20,000-V	2.00
400			X-147	SW.	V. C.	20,000-"TR"	2.00
420		C-60	X-145	SW.	V. C.	500,000-Z	2.00*
510		C-64	X-120	PL.	V. C.	250,000-Z	1.50*
500			X-118	PL.	V. C.	750,000-Sp.T.	1.50
490			X-140	PL.	V. C.	750,000-Sp.T.	1.50
470, 472			X-141	PL.	V. C.	750,000-Sp.T.	1.50
61, 70			X-154	PL.	V. C.	10,000-"TL"	1.50
51, 53, 55	W-31		X-319	SW.	V. C.	10,000-W	2.00*
AC-160, 25-160			X-281	SW.	V. C.	11,500-"TR"	2.00
AC-240, SW & LW, G-240, G-260, G-280			X-286	PL.	V. C.	750,000-Sp.T.	1.50
G-220			X-290	PL.	V. C.	4,100-"TR"	1.50
G-1359, G-92, G-96		C-51	X-291	SW.	V. C.	100,000-Z	2.00*
G-120			X-293	PL.	V. C.	10,000-"TR"	1.50

TRAV-LER RADIO & TELEVISION CORP.

50-A (1935)	W-33	C-33	SW.	V. C.	15,000-U	\$1.00
51, 84, 53 (1935)		C-60	SW.	V. C.	500,000-Z	1.00
56 (2 V. Batt.) (1935)		C-44	PL.	V. C.	50,000-S	1.00
60-A, 76 (1935)		C-60	SW.	V. C.	500,000-Z	1.00
63-A (1935)		C-60	PL.	V. C.	500,000-Z	1.00

TROY RADIO MFG. CO.

4, 14, 40	W-29	C-29	SW.	V. C.	10,000-U	\$1.00
5L5, 5U5, 15, 15-5		C-60	SW.	V. C.	500,000-Z	1.00
62-BU, 66-BC, 62-L, 62-U, 62-C, 62-PC		C-60	SW.	V. C.	500,000-Z	1.00
62-BU, 66-BC, 62-L, 62-U, 62-C, 62-PC		C-46	PL.	T. C.	50,000-Z	1.00
Chassis Model TR-84 (1935)		C-60	SW.	V. C.	500,000-Z	1.00
Chassis Model TR-84 (1935)		C-46	PL.	T. C.	50,000-Z	1.00
151-5, 162, (AC-DC) (1935)		C-60	SW.	V. C.	500,000-Z	1.00
151-5, 162, (AC-DC) (1935)		C-46	PL.	T. C.	50,000-Z	1.00

UNITED AMERICAN BOSCH CORP.

66, 96, 107, 116, 126, 136, 146, 166, 176	C-50		V. C.	100,000-N	\$1.00		
28, 29		X-123	PL.	V. C.	10,000-"TL"	1.50	
48, 49		X-124	PL.	V. C.	P-10,000-S	2.50	
				R-5,000-S			
58, 62		X-125	PL.	V. C.	3,000-S	1.50	
5, 20-J, 20-K, 20-L, 31, 32, 73	W-29	C-29	X-126	SW.	V. C.	10,000-"TL"	2.00*
56			X-127	PL.	V. C.	P-10,000-S	2.50
				R-50,000-S			
54			X-128	PL.	V. C.	P-5,000-"TL"	2.50
				R-5,000-S			
60, 63, 61	C-60	X-129	PL.	V. C.	500,000-Z	1.50*	
80	W-36		PL.	V. C.	20,000-S	1.00	
312 Vibro Power, 313		C-60	PL.	V. C.	500,000-Z	1.00	
10, Essex, 242, 243, 250, 251		C-60	SW.	V. C.	500,000-Z	1.00	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO. Prices do not include switch, except on "X" controls.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
UNITED AMERICAN BOSCH CORP. (Continued)							
7, 7-C, 4 Essex, 36, 37, 236, 237, 305-A	W-29	C-29		SW.	V. C.	10,000-U	\$1.00
200, 201, 205, 206, 210, 211, 5A	W-27	C-27	X-803	SW.	V. C.	10,000-S	1.50*
80, 84			X-800	PL.	V. C.	24,000-S	1.50
40, 41-AC		C-60	X-802	SW.	V. C.	500,000-“TL”	1.00*
350, 355, 360, 370, 357		C-60	X-802	SW.	V. C.	500,000-“TL”	1.00*
35-Z, 386		C-60		PL.	V. C.	500,000-Z	1.00
45-A, 45-C, 79-C, 119, 129		C-60		SW.	V. C.	500,000-Z	1.00
139, 149, 307, 310-A		C-60		SW.	V. C.	500,000-Z	1.00
402, 480, 420, 460, 500, 503, 501, 502		C-60		SW.	V. C.	500,000-Z	1.00
60, 61, 20, 307, 310-A		C-60		PL.	T. C.	500,000-Z	1.00
73, 74		C-46		PL.	T. C.	50,000-Z	1.00
250, 260, 312, 313, 251, 261		C-51		PL.	T. C.	100,000-Z	1.00
10, 242, 243, 40, 41-AC, 79-C		C-60		PL.	T. C.	500,000-Z	1.00
350, 355, 360		C-51		SW.	T. C.	100,000-Z	1.00
370, 352		C-60		SW.	T. C.	500,000-Z	1.00
460, 480, 376-BT, 376-F, 376-S		C-60		PL.	T. C.	500,000-Z	1.00
420		C-64		PL.	T. C.	250,000-Z	1.00
Auto 100			X-801	PL.	V. C.	100,000-“TL”	1.50
04		C-40	X-697	SW.	V. C.	25,000-S	2.00*
402 Ed. 1, 2, 3, 585-Y, 585-Z		C-60		PL.	V. C.	500,000-Z	1.00
402 Ed. 1, 2, 3		C-64		SW.	T. C.	250,000-Z	1.00
420, 421		C-64		SW.	V. C.	250,000-Z	1.00
430 Series, 440		C-60		PL.	V. C.	500,000-Z	1.00
430 Series, 440		C-64		SW.	T. C.	250,000-Z	1.00
450, 451, 454		C-60		SW.	V. C.	500,000-Z	1.00
460, 461, 464 A, B, R		C-60		PL.	V. C.	500,000-Z	1.00
460, 461, 464 A, B, R		C-64		SW.	T. C.	250,000-Z	1.00
505, 501, 501-E		C-60		SW.	V. C.	500,000-Z	1.00
585-Y, 585-Z		C-60		SW.	T. C.	500,000-Z	1.00
05		C-63	X-698	SW.	V. C.	1,000,000-“TL”	2.00*
U. S. RADIO & TELEVISION CORP.							
Case 80, 81, 81-B, 81-C			X-105	PL.	V. C.	5,000-“TL”	\$1.50
Apex 31, 32	W-25	C-25		PL.	V. C.	7,500-V	1.00
Apex 36, 37, 50, 60			X-105	PL.	V. C.	5,000-“TL”	1.50
7 Series		C-60		PL.	V. C.	500,000-Z	1.00
7 Series		C-54		PL.	Localizer	200,000-V	1.00
8 Series, 10 Series, 10 Series (10-C)		C-63		PL.	V. C.	1,000,000-Z	1.00
99 Series	W-24	C-24		PL.	V. C.	7,500-U	1.00
Apex 41, 42, 43, 44, 46, 47, 48, 28	W-5			PL.	V. C.	400-S	1.00
Gloriette, 20	W-24	C-24	X-564	SW.	V. C.	7,500-U	2.00*
26, 26 Midget	W-24	C-24		PL.	V. C.	7,500-U	1.00
27 Series Chassis (Early)	W-8			SW.	V. C.	1,000-S	1.00
27 Series Chassis (Late)	W-24		X-282	SW.	V. C.	7,500-U	2.00*
26W, 27W, 27P			X-810	PL.	V. C.	8,000-“TL”	1.50
Apex 29	W-24			SW.	V. C.	7,500-U	1.00
500 Chassis Model 25	W-24			SW.	V. C.	7,500-U	1.00
1006, 1007, 1009		C-53		SW.	V. C.	200,000-Z	1.00
5-A, 25-A	W-24	C-24		SW.	V. C.	7,500-U	1.00
9, 19, Chassis 900, 902		C-53		SW.	V. C.	200,000-Z	1.00
24 Chassis 400	W-37	C-37		SW.	V. C.	20,000-U	1.00
33 DC	W-25	C-25		PL.	V. C.	7,500-V	1.00
69 Chassis 906		C-60		PL.	V. C.	500,000-Z	1.00
Apex 160, Chassis 90	W-28	C-28		PL.	V. C.	10,000-N	1.00
3040, 3056, Chassis 506	W-37	C-37		SW.	V. C.	20,000-U	1.00
7-D Chassis 700	W-24			SW.	V. C.	7,500-U	1.00
12, 120 Chassis 1200		C-53		SW.	V. C.	200,000-Z	1.00
1006, 1007 Chassis		C-53		SW.	V. C.	200,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

U. S. RADIO & TELEVISION CORP. (Continued)

1006, 1007 Chassis		C-46	PL.	T. C.	50,000-Z	\$1.00
Chassis 1009, 3070		C-53	SW.	V. C.	200,000-Z	1.00
3092, Chassis 513	W-37	C-37	SW.	V. C.	20,000-U	1.00
Apex 31, Chassis 1009		C-46	PL.	T. C.	50,000-Z	1.00
1006, 1007, 1009		C-46	PL.	T. C.	50,000-Z	1.00
7, 8, 10, Series, 1000, 1001 Chassis.....		C-53	PL.	T. C.	200,000-Z	1.00
Apex 29		C-60	PL.	T. C.	500,000-Z	1.00
700 Chassis, 7-D, 69, Chassis 906.....		C-53	PL.	T. C.	200,000-Z	1.00
9, 19, Chassis 900, 902		C-51	PL.	T. C.	100,000-Z	1.00
12-B, 120-B		C-51	PL.	T. C.	100,000-Z	1.00
900, 902	W-23	C-23	PL.	N. S.	7,500-S	1.00

UNITED MOTORS SERVICE, INC.

1101 Delco, 3201, 3202		C-60	SW.	V. C.	500,000-Z	\$1.00
1102 Delco (Any Serial No.).....		C-60	PL.	V. C.	500,000-Z	1.00
1102 Delco (Any Serial No.).....		C-51	SW.	T. C.	100,000-Z	1.00
1104, 3203, 3204		C-60	PL.	V. C.	500,000-Z	1.00
1104, 3203, 3204		C-51	SW.	T. C.	100,000-Z	1.00

WARE MFG. CORP.

"Bantam" B-1, B-2	W-8	X-384	SW.	V. C.	1,000-S	\$2.00*	
Type S. B. A.....	W-27	X-394	SW.	V. C.	10,000-S	2.00*	
Type S.B.F, SB-B	W-27	X-393	SW.	V. C.	10,000-S	2.00*	
SB-7, SB-45 Supers	W-29	X-306	SW.	V. C.	10,000-U	2.00*	
SB-8	W-27	C-27	SW.	V. C.	10,000-S	1.00	
S.B.A., S.B.F., SB-45		C-63	X-478	PL.	T. C.	1,000,000-Z	1.50*
SB-B, SB-7, SB-8		C-53	X-479	PL.	T. C.	200,000-Z	1.50*
K-5			X-392	SW.	V. C.	10,000-"TL"	2.00

WELLS-GARDNER & CO.

Arcadia 82		X-469	PL.	V. C.	P-15,000-"TL"	\$2.50	
					R-12,000-"TR"		
Arcadia 72	W-30	C-30	PL.	V. C.	10,000-V	1.00	
10, 13	W-25	X-288	PL.	V. C.	7,500-V	1.50*	
C, CG, 52	W-4	X-287	PL.	V. C.	300-S	1.50*	
062 (Auto)		C-60	PL.	V. C.	500,000-Z	1.00	
572	W-3		PL.	V. C.	200-S	1.00	
00A		C-63	PL.	V. C.	1,000,000-Z	1.00	
02A, 0-C Series		C-66	SW.	V. C.	2,000,000-Z	1.00	
05A, 5B, 05Z		X-823	SW.	V. C.	15,000-"TL"	2.00	
05AA, 05BA	W-33	C-33	SW.	V. C.	15,000-U	1.00	
06A		C-44	PL.	V. C.	50,000-S	1.00	
06W, 502, 7-D Series.....		C-60	SW.	V. C.	500,000-Z	1.00	
07A		C-63	SW.	V. C.	1,000,000-Z	1.00	
022		C-47	PL.	V. C.	75,000-S	1.00	
022	W-21		PL.	N. S.	5 000-V	1.00	
073		C-60	PL.	V. C.	500,000-Z	1.00	
50	W-4		PL.	V. C.	300-S	1.00	
9-B Series		C-66	PL.	V. C.	2,000,000-Z	1.00	
40 Series	W-21	C-21	PL.	V. C.	5,000-V	1.00	
40-A Series		C-60	PL.	V. C.	500,000-Z	1.00	
10, 13		C-63	X-289	SW.	V. C.	1,000,000-Z	2.00*
Arcadia 72, 82		C-63	PL.	V. C.	1,000,000-Z	1.00	
022, 00A, 07A, 40, 40A		C-53	PL.	T. C.	200,000-Z	1.00	
7-D Series, 572		C-53	PL.	T. C.	200,000-Z	1.00	
02A, O-C Series		C-67	PL.	T. C.	3,000,000-Z	1.00	
073, 9-B Series		C-46	PL.	T. C.	50,000-Z	1.00	
502		C-63	PL.	T. C.	1,000,000-Z	1.00	
Chassis 2-B Model 22B-5 (Aug. 1934).....		C-66	SW.	V. C.	2,000,000-Z	1.00	

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
Prices do not include switch, except on "X" controls.							

WELLS-GARDNER & CO. (Continued)

Chassis 2-B, Model 22B-5 (Aug. 1934).....	C-53	PL.	T. C.	200,000-Z	\$1.00	
5-D Series	W-33	C-33	SW.	V. C.	15,000-U	1.00
25Y-1 Chassis 5Y (Auto).....		C-66	SW.	V. C.	2,000,000-Z	1.00
26B-1, 26B-5, Chassis 6-B.....		C-60	SW.	V. C.	500,000-Z	1.00
26B-1, 26B-5, Chassis 6-B.....		C-53	PL.	T. C.	200,000-Z	1.00
6-C Series		C-66	SW.	V. C.	2,000,000-Z	1.00
6-C Series		C-53	PL.	T. C.	200,000-Z	1.00
Chassis 7-GM		C-53	SW.	T. C.	200,000-Z	1.00
Chassis 7-H		C-63	PL.	V. C.	1,000,000-Z	1.00
Chassis 7-H		C-53	PL.	T. C.	200,000-Z	1.00

WESTINGHOUSE ELECT. & MFG. CO.

WR-17, WR-10, WR-10A, WR-12.....	W-19	X-368	PL.	V. C.	4,350-S	\$1.50*	
WR-14, WR-14-CR	W-37	C-37	X-369	PL.	V. C.	20,000-U	1.50*
WR-18, WR-15-A, WR-15			X-367	PL.	V. C.	13,000-“TR”	1.50
WR-13, WR-13-A	W-19		X-368	PL.	V. C.	4,350-S	1.50*
WR-26-M, WR-26		C-54	X-607	SW.	V. C.	200,000-V	2.00*
WR-16			X-367	PL.	V. C.	13,000-“TR”	1.50
WR-19, WR-20		C-45	X-608	PL.	V. C.	50,000-“TL”	1.50*
WR-24 (47)	W-30	C-30		PL.	V. C.	10,000-V	1.00
WR-24 (2A5)		C-66		PL.	V. C.	2,000,000-Z	1.00
WR-27, WR-29	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
WR-33, WR-41 (Auto)		C-53	X-536	SW.	V. C.	200,000-Z	2.00*
WR-4			X-257	PL.	V. C.	P-10,000-“TL” R-10,000-“TL”	2.50
WR-21	W-25	C-25		PL.	V. C.	7,500-V	1.00
WR-22 (47), WR-23, WR-25	W-30	C-30		PL.	V. C.	10,000-V	1.00
WR-5, WR-6, WR-7	W-19		X-191	SW.	V. C.	3,600-S	2.00*
WR-32			X-750	SW.	V. C.	4,000-S	2.00
WR-35	W-15	C-15	X-274	SW.	V. C.	3,000-S	2.00*
WR-34	W-19	C-19		SW.	V. C.	5,000-S	1.00
WR-42		C-53		PL.	V. C.	200,000-Z	1.00
WR-47		C-64		PL.	V. C.	250,000-Z	1.00
WR-21		C-60		SW.	T. C.	500,000-Z	1.00
WR-28		C-60	X-115	SW.	T. C.	500,000-“TL”	2.00*
WR-23	W-30	C-30		PL.	Sil.Tuning	10,000-V	1.00
WR-15, WR-13-A, WR-10-A		C-53	X-620	SW.	T. C.	200,000-Z	2.00*
WR-37		C-51	X-621	SW.	T. C.	100,000-“TL”	2.00*
WR-20		C-51	X-622	PL.	T. C.	100,000-Z	1.50*
WR-19		C-45	X-623	PL.	T. C.	50,000-W	1.50*
WR-36		C-51	X-624	SW.	T. C.	100,000-Z	2.00*
WR-35		C-51	X-625	PL.	T. C.	100,000-Z	1.50*
WR-24		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
WR-17, WR-18, WR-15-A, WR-16		C-46	X-626	SW.	T. C.	50,000-Z	2.00*
WR-10, WR-47		C-60		PL.	T. C.	500,000-Z	1.00
WR-29		C-68	X-606	PL.	T. C.	4,000,000-Z	1.50*
WR-22, WR-23, WR-25		C-66	X-601	SW.	T. C.	2,000,000-Z	2.00*
WR-42		C-63		PL.	T. C.	1,000,000-Z	1.00
WR-46, WR-46-A, WR-49		C-51		PL.	T. C.	100,000-Z	1.00
WR-45, WR-45-A		C-63		SW.	T. C.	1,000,000-Z	1.00
WR-30, WR-31		C-63	X-604	SW.	T. C.	1,000,000-Z	2.00*
WR-38, WR-39		C-68		SW.	T. C.	4,000,000-Z	1.00
WR-29	W-19			SW.	Phono.Con.	5,000-S	1.00
WR-100, WR-101		C-60		SW.	V. C.	500,000-Z	1.00
WR-101		C-64		PL.	T. C.	250,000-Z	1.00
WR-201	W-20	C-20		SW.	V. C.	5,000-U	1.00
WR-203, WR-303		C-64		PL.	V. C.	250,000-Z	1.00
WR-203, WR-303		C-64		SW.	T. C.	250,000-Z	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.

Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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WEXTARK RADIO CO. INC.

KNIGHT

(Also See Allied Radio)

SG-8	W-20	C-20		SW.	V. C.	5,000-U	\$1.00
1932 A.V.C. Super		C-60		SW.	V. C.	500,000-Z	1.00
1932 7 tube Super	W-25		X-259	SW.	V. C.	7,500-V	2.00*

WILCOX-GAY CORP.

2-S-5, 2-T-5	W-30	C-30		SW.	V. C.	10,000-V	\$1.00
2-VA-7, 2-VB-7, 3-LB-7, 3-T6-66		C-60		SW.	V. C.	500,000-Z	1.00
3-D-5, 3-F-7	W-29	C-29		SW.	V. C.	10,000-U	1.00
3-J-5, 3-K-5, 3PA-6-66, 3-KD-5	W-29	C-29		SW.	V. C.	10,000-U	1.00
3-SB-5, 3-VB-6, 4-E-6		C-60		SW.	V. C.	500,000-Z	1.00
3-V-6 (BC & SW) 3-VA-6, 4-D-10		C-60		SW.	V. C.	500,000-Z	1.00
4-C-5, W-CB-5, 4-AC-5, 4-CD-5, 4-DB-10		C-60		SW.	V. C.	500,000-Z	1.00
2-VB-7, 2-VA-7, 3D-5, 3-F-7, 3-LB-7		C-64		PL.	T. C.	250,000-Z	1.00
3PA6-66, 3S-5-66, 3SB-5, 3VB-6		C-64		PL.	T. C.	250,000-Z	1.00
3T6-66, 3V6, 3VA-6, 4DB-10		C-64		PL.	T. C.	250,000-Z	1.00
4-D-10, 4-E-6, 4-JA-6, 4-JB-6		C-64		PL.	T. C.	250,000-Z	1.00
3JD-5, 3JG-5, 3KE-5, 3JF-5	W-29	C-29		SW.	V. C.	10,000-U	1.00
4JA-6, 4JB-6		C-60		SW.	V. C.	500,000-Z	1.00
4J-6, 4JC-6, 4G-7, 4H-11		C-60		SW.	V. C.	500,000-Z	1.00
4J-6, 4JC-6, 4G-7, 4H-11		C-64		PL.	T. C.	250,000-Z	1.00
5E-7, 5EA-7		C-60		SW.	V. C.	500,000-Z	1.00
5E-7, 5EA-7		C-64		PL.	T. C.	250,000-Z	1.00

ZANEY-GILL CORP.

54	W-29	X-294		SW.	V. C.	10,000-U	\$2.00*
54	W-27	X-295		PL.	T. C.	10,000-S	1.50*

ZENITH RADIO CORP.

11, 12, 14, 15, 15-E, 15-EP, 16-E, 16-EP	C-49	X-481		SW.	V. C.	100,000-S	\$2.00*
17, 27, 33, 34, 35, 35A, 35APX, 362		C-49	X-481	SW.	V. C.	100,000-S	2.00*
39, 39A		C-49	X-481	SW.	V. C.	100,000-S	2.00*
40-A, 392, 392-A, 422		C-49	X-481	SW.	V. C.	100,000-S	2.00*
41, 42, 55, 333, 342, 352, 353, 362		C-49	X-481	SW.	V. C.	100,000-S	2.00*
52, 522, 53, 532, 54, 542, 55, 57	C-45	X-297		SW.	V. C.	50,000-W	2.00*
62, 64, 67, 60, 61, 602, 612, 622, 642		C-45	X-297	SW.	V. C.	50,000-W	2.00*
50, 60 Series							
52		X-298		SW.	V. C.	P-10,000-“TR” R-100,000-“TL”	3.00
70, 71, 72, 73, 77, 712, 722, 732, 777		X-296		SW.	V. C.	P-10,000-“TR” R-100,000-“TL”	3.00
L Chassis, Zenette, Type 2009-C	W-29	X-390		PL.	V. C.	10,000-“TL”	1.50*
LP Chassis Zenette Pentode	W-29	X-390		PL.	V. C.	10,000-“TL”	1.50*
Type 2004		C-45		PL.	V. C.	50,000-W	1.00
Type 2012, 2012J, Models AH, CH, RH ..	W8	X-299		SW.	V. C.	1,000-S	2.00*
2047		X-761		PL.	V. C.	500,000-“TL”	1.50
2021 Model BH	W-27			SW.	V. C.	10,000-S	1.00
2022, Models LH, WH, MH	W-30	X-482		SW.	V. C.	10,000-V	2.00*
82, 89, Hyper Metron 80		C-45		PL.	V. C.	50,000-W	1.00
91, 92 (Early), 103 (Early)		X-763		SW.	V. C.	4,500-S	2.00
91, 92 (Late)		X-762		SW.	V. C.	250,000-Z	2.00
Type 2012, 2012J, Models AH, CH, RH	W-8	X-483		SW.	V. C.	P-500,000-“TL” R-500,000-“TL”	3.00
10, 11, 12, 80	C-45			SW.	V. C.	50,000-W	1.00
2047	C-60	X-487		PL.	V. C.	500,000-Z	1.50*
701, AC, DC, 715, 755	C-60			SW.	V. C.	500,000-Z	1.00

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Precision controls for control precision



MODEL & CHASSIS NO.	"W"	"C"	"X"	Plain or Switch	How Used	Resistance	List Price
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ZENITH RADIO CORP. (Continued)

2052 Chassis, Models 705, 706, 707, 711, 712, 750	C-60	SW.	V. C.	500,000-Z	\$1.00
2053 Chassis, Models 750, 755, 756, 474..	C-60	SW.	V. C.	500,000-Z	1.00
2054 Chassis, Models 760, 765, 767, 475....	C-60	SW.	V. C.	500,000-Z	1.00
2059 Chassis, Models 770-B, 775-B.....	C-60	SW.	V. C.	500,000-Z	1.00
2056 Chassis, 2056-I	C-60	SW.	V. C.	500,000-Z	1.00
210-5, 211-5, 270-5	W-30	C-30	PL.	V. C. 10,000-V	1.00
210, 220, 221	W-30	C-30	PL.	V. C. 10,000-V	1.00
230, 240, 245		C-60	SW.	V. C. 500,000-Z	1.00
250, 260, 272.....	W-30		SW.	V. C. 10,000-V	1.00
701 AC-DC, 702 AC-DC		C-60	SW.	V. C. 500,000-Z	1.00
7 (Auto)		C-60	SW.	V. C. 500,000-Z	1.00
801 AC-DC		C-60	SW.	V. C. 500,000-Z	1.00
805		C-60	SW.	V. C. 500,000-Z	1.00
806, 807, S847, 850.....		C-53	SW.	V. C. 200,000-Z	1.00
808, 809, 860, 861		C-53	SW.	V. C. 200,000-Z	1.00
2051		C-60	X-760	V. C. 500,000-Z	2.00
812, Chassis 5608 AC-DC.....		C53	SW.	V. C. 200,000-Z	1.00
825, 827, 829, 870		C53	SW.	V. C. 200,000-Z	1.00
835, 880, Chassis 1001, 1001-A.....		C-60	SW.	V. C. 500,000-Z	1.00
41, 42	W-37		X-480	PL. Sen.Con. 20,000-U	1.50*
230, 240, 245, 410, 411, 420.....	W-30			PL. N. S. 10,000-V	1.00
2054	W-8			PL. N. S. 1,000-S	1.00
2032, 2053, 2054		C-60		PL. T. C. 500,000-Z	1.00
410, 411, 420, 250, 260, 272, 755.....		C-60		PL. T. C. 500,000-Z	1.00
460	W-38			PL. Sen.Con. 20,000-V	1.00
650-HD, 651-HE, 660-TD, 661-TE.....		C-46		PL. T. C. 50,000-Z	1.00
210, 220, 210-5, 211-5, 270-5, 430, 440.....		C-46		PL. T. C. 50,000-Z	1.00
230, 240, 245, 460, 462, 2056 Chassis.....		C-46		PL. T. C. 50,000-Z	1.00
Chassis 5609 Models 811, 862, 865, 866, 1162		C-53		SW. V. C. 200,000-Z	1.00
Chassis 5611, 5612, 5621		C-53		SW. V. C. 200,000-Z	1.00
Chassis 5508, 5509, 5614, 5405.....		C-53		SW. V. C. 200,000-Z	1.00
Chassis 5508, 5509, 5614, 5405.....		C-46		PL. T. C. 50,000-Z	1.00
Chassis 5902, Model 970, 975.....		C-60		SW. V. C. 500,000-Z	1.00
Chassis 5902, Model 970, 975.....		C-60		PL. T. C. 500,000-Z	1.00
Chassis 5401	W-17	C-17		SW. V. C. 3,000-V	1.00
Chassis 5621, 5618, 2059		C-46		PL. T. C. 50,000-Z	1.00
Chassis 5701-R, 5702-R, 5703-R		C-53		SW. V. C. 200,000-Z	1.00
Chassis 5618, Models S-908, S-909, S-961...		C-53		SW. V. C. 200,000-Z	1.00
740		C-53		PL. T. C. 200,000-Z	1.00
715, 755	W-11			PL. Sen.Con. 2,000-S	1.00
430, 440	W-5			PL. Sil.Tun. 400-S	1.00
2053 Chassis, Models 750, 755, 756, 474..	W-11			PL. N. S. 2,000-S	1.00
2054 Chassis, Models 760, 765, 767, 475....	W-8			PL. Sen.Con. 1,000-S	1.00
2059 Chassis, Models 770-B, 775-B.....		C-44		PL. N. S. 50,000-S	1.00

*List Price of Series "X". For List Price of Series "C" or "W", see Pages 65, 66, 67.



CROSS-INDEX

TO RCA VICTOR, GENERAL ELECTRIC, WESTINGHOUSE & GRAYBAR MODELS

RCA VICTOR	GENERAL ELECTRIC	WESTING-HOUSE	GRAYBAR	RCA VICTOR	GENERAL ELECTRIC	WESTING-HOUSE	GRAYBAR
SW-2	JZ-30	WR-17	GT-7	R-77	J-107	.....	.....
R-4	J-70	WR-14	GB-4	R-78	J-125	.....	.....
R-5	T-12	WR-14	.....	R-78 (2)	J-125-A	.....	.....
R-5-DC	T-12-D	WR-14-CR	.....	RE-80	H-31	WR-23	.....
R-5-X	T-12-E	WR-9	.....	Rad. 80	.....	WR-5	GB-700
T-5	E-52	WR-9	.....	RE-80-SW	.....	WR-25	.....
R-6	J-75	.....	GC-13	Rad. 82, 82-R	H-51, 51-R	WR-6, 6-R	GB-770
R-7	S-22, S-22-X	WR-10	GB-8	Rad. 86, 86-R	H-71, 71-R	WR-7, 7-R	GB-900
R-7A	S-22 (2)	WR-10-A	GB-8-A	R-90	K-106	.....	.....
R-8	J-80	WR-18	GT-8	R-90-P	K-106-P	.....	.....
R-9	S-42	WR-12	.....	91-B	C-30	.....	.....
R-10	S-132	WR-15-A	GB-989	100	K-43	WR-32	.....
R-11	K-62	WR-15	GB-9	101	M-41	.....	.....
R-12	J-85	.....	GC-14	102	M-40	.....	.....
Rad. 16	.....	.....	GB-300	M-105	C-41	WR-41	.....
RE-16	SZ-42-P	WR-13	.....	M-107	C-60	.....	.....
RE-16-A	.....	WR-13-A	.....	110	K-52	.....	.....
R-17-M	BX or K-41	WR-26-M	.....	111	K-53	WR-35	.....
RE-18, RE-18A	KZ-62-P	.....	.....	112	L-52	WR-34	.....
R-18-W	K-40-A	.....	.....	114	L-53	.....	.....
Rad. 18	.....	.....	GB-310	115	K-53-M	.....	.....
Rad. 21	B-1	.....	.....	M-116	B-52	WR-42	.....
Rad. 22	B-2	.....	.....	118	M-51	WR-48	.....
R-22-S	L-50	.....	.....	120	K-63	WR-36	.....
R-22-W	L-51	.....	.....	121	K-64	WR-37	.....
RO-23	JZ-835	WR-16	.....	M-123	C-61	.....	.....
R-24	JZ-822	.....	.....	124	M-63	.....	.....
R-24-A (47)	JZ-822-A	WR-24	.....	126-B	C-62	.....	.....
R-24-A (2A5)	.....	WR-24	.....	127	K-64-D	.....	.....
R-27	K-40	WR-26	.....	128	M-61	WR-46	.....
R-28	K-50	.....	.....	128-E	.....	WR-50	.....
R-28-P	K-50-P	.....	.....	135-B	C-70	WR-47	.....
R-28-P (A to G)	K-51-P	WR-27	.....	140, 140-E	K-80	WR-30	.....
M-30	A-90	.....	.....	141, 141-E	K-80-X	WR-31	.....
P-31	A-81	.....	.....	142-B	B-81	.....	.....
M-32	A-60	.....	.....	143	M-81	WR-45	.....
Rad. 33	.....	.....	GB-311	210	K-55	.....	.....
M-34	B-40	WR-33	.....	211	M-56	.....	.....
R-37	K-60	.....	.....	220	K-66	.....	.....
R-37-P	K-60-P	WR-28	.....	221	M-65	.....	.....
R-28	K-65	.....	.....	222	K-66-M	.....	.....
R-38-P	K-65-P	.....	.....	223	C-67	.....	.....
RE-40	K-54	.....	.....	224	M-67	.....	.....
RE-40-P	K-54-P	WR-29	.....	235-B	C-75	.....	.....
R-43	S-42-B	.....	.....	240	K-85	.....	.....
Rad. 44	.....	.....	GB-500	241-B	B-86	.....	.....
Rad. 46	.....	.....	GB-550	242	M-86	.....	.....
Rad. 48	T-41	WR-4	GB-678	260	K-107	.....	.....
R-50	H-32	.....	.....	261	K-105	.....	.....
Rad. 51	.....	.....	GB-320	262	M-106	.....	.....
R-55	.....	.....	GB-100	280	K-126	.....	.....
RAE-59	H-72	.....	.....	281	M-125	.....	.....
Rad. 60	.....	.....	.....	300	K-48	.....	.....
Rad. 62	.....	.....	GB-330	301	M-49	.....	.....
Rad. 66	.....	.....	GB-340	310	K-58	.....	.....
R-70, R-70-N	J-72	WR-21	GB-600	321	M-68	.....	.....
R-71	J-82	WR-19	.....	322	M-69	WR-49	.....
R-72	J-86	.....	.....	330	K-78	.....	.....
R-73 (47)	J-83	WR-22	.....	331	K-79	.....	.....
R-73 (2A5)	J-83-A	.....	.....	340	K-88	WR-38	.....
R-74	J-100	WR-20	.....	340-E	K-88-X	WR-39	.....
R-75 (47)	J-87	.....	.....	341	M-89	.....	.....
R-75 (2A5)	J-87-A	.....	.....	380	M-128	.....	.....
R-76	J-105	.....	.....	380-H.R.	M-128-R	.....	.....
				381	M-129	.....	.....

Precision controls  *for control precision*

Canadian RCA and Affiliated Set Designations

For the convenience of those who may be called upon to service faulty volume controls in RCA Victor of Canada sets, Canadian General Electric Company sets, and Canadian Westinghouse sets, the following cross-index data is presented so as to identify those sets with corresponding RCA-Victor sets as listed below.

CROSS INDEX TO

RCA Victor chassis with corresponding RCA Victor of Canada, Canadian General Electric Co., Canadian Westinghouse Chassis

RCA Victor U.S.A.	RCA Victor Canada	General Elect. Canadian	Westinghouse Canadian	RCA Victor U.S.A.	RCA Victor Canada	General Electric Canadian	Westinghouse Canadian
SW2	SWA 102	JZ30		R78	R22	J125	W122
R-7	R-7, R-78	S22, S22X	W-801	788(2)	R22A	J125A	W122A
R-7A	R7A, R8A, R9A, R104, R105	H77, S42A	W-801	RE80	RE80	—	—
R-8, R-12	R-8, R-10, R12	S42	—	RAD. 80	R35, Rad. 80	H31	W101
R-9	—	—	W-801	Rad. 82, 82R	R39, Rad. 82	H51	—
R10	R8, R10, R12, R107	J-85	—	Rad. 86, 86R	RE57, Rad. 86	H71	—
R11	R15	K62	—	RAE 84	RAE84	—	—
R12, R8	R12, 8, R10	J85	—	RE 81	RE81	—	—
RAD. 16	—	—	W16	R-90	90	K106	W-103
RE16	RE37	H77	—	R-90-P	—	—	W-104
RAD. 17	—	—	6AC-27/28	100, 101	—	—	W44
RE18, RE18A	RE41	—	—	101, 100	101	M41, M42	W44
RAD. 18	—	—	6AC-28/29	M-105	M-105	C41	A-44
RAD. 20	—	—	W55	110, 111, 115	R-31	K59, K52, K53	A53, W53
R21, R22	R20R, R20 R109	—	—	M-116	M116	B-52	—
RO-23	RO112	—	W112	118	118	M51, M52	W254, W155
R-28	R28	K50	W53	120	—	K-57	W53
R-28-P	R29, R31	K52, K53	W53	121, 122	—	M69, K64, M62	W64, W634
R-28-P (A to G)	—	—	W53	M123	M123	C61	—
RAD. 33	—	—	6AC-28/29	126-B	126-B, 223-B	L6B, L6CB	B64
M34	M-34	B40	A-43	128	128	M61	W165A
R37	R37	K60	—	135B	135-B	M7B	—
RE 40-P	RE33	—	—	140, 140E, 141	140	K80, K85	W83AW
RAD. 42	—	—	W61, W81, W71	141E, 141	—	—	W83AW
R-43	R30	S42-B	—	142B, 241B	R87	K8B	—
RAD. 48	R15, RAD. 48	T41	W71, W81, W61	143	143	M81	W84, W185X
R50, R-55	R20, R21	H32	—	211	211	M56	W254, W155
R51-B, R53B	—	—	B103	221	221, 122	—	—
RAE 59	RAE-59	H-72	—	222, 220	222	—	—
RAD. 66	—	—	W89	223	223-B, 126B	L6CB	B634
R70, R70N	R48	J72, J76	—	224	224	M-67	W165X
R71, R72	R50	J82	W82	235B	235B	M7CB	B74, W185X
R71B	R6, R-67, R68	JB83, JB-87	B83	241B, 142-B	R88	K8CB	—
R72, R71	R52	J86	W82	242	242	M86	W84
R73 (47)	R53	—	—	262	262	M106, M107	—
R74, R-76 R-77	R-54, R56	J105, J107	—	280	280	K126	—
				281	281	M125	W124
				321	321	—	—
				330	R49	—	W73
				331	331	K79	—
				340	340	—	—
				381	381	—	—

Precision controls for control precision



FUNDAMENTAL CIRCUIT DIAGRAMS AND RECOMMENDED REPLACEMENTS

Circuits No. 1, 2, 3 & 4. Show typical methods of controlling antenna input. This system is not recommended, in that it does not generally provide complete "cut-off" on strong signals. *Suggested replacement — 10,000N*

Circuit No. 5. Shows the method of controlling the volume by varying the plate voltage with a potentiometer.

Suggested replacement — 20,000V wire wound due to large currents.

Circuit No. 6. Shows the method of controlling volume by varying the plate voltage with a rheostat.

Suggested replacement — 75,000V

Circuit No. 7 & No. 8. Shows the method of controlling volume by controlling the R.F. input voltage to the transformer.

Suggested replacement — 10,000N

Circuit No. 9. Shows the method of controlling the tube amplification by varying the screen grid voltage.

Suggested replacement — If volume control is part of voltage divider, use duplicate value. If control is across a portion of the voltage divider and original value unknown use 50,000 ohm. Taper for all cases — "W".

Circuit No. 10. Shows the method of controlling both the antenna input and the screen grid voltage by means of a dual control. This method is superior to that of Circuit No. 9 and produces less distortion.

Suggested replacement — Same as for individual circuit sections.

Circuit No. 11. Shows the method of varying the grid bias by means of a rheostat.

Suggested replacement — "V" tapered controls whose total resistance value duplicates original.

Circuit No. 12. Shows the method of controlling volume by varying the grid bias voltage when the volume control is part of the voltage divider. In some cases R1 the minimum biasing resistor is placed at X.

Suggested replacement — "V" tapered controls whose total resistance value duplicates original.

Circuit No. 13. Shows the method of controlling both the antenna input and grid bias by means of a single control. This method is highly recommended.

Suggested replacement — 10,000 ohm control with taper as recommended in "Typical Usage" on page 64.

Circuit No. 14. This method is identical to that shown in Circuit No. 13 except it has a forced bleeder, thus providing a greater voltage change for the same number of controlled tubes.

Suggested replacement — 10,000 ohm control with taper recommended.

Circuit No. 15. Shows a method of controlling both the antenna input and the grid bias by means of a dual

control. This method is identical to that of Circuit No. 13.

Suggested replacement — Single control with same specifications as given under Circuit No. 13.

Circuit No. 16 & No. 17. Shows methods of control gain in audio circuits.

Suggested replacement — 500,000Z

Circuit No. 18. Shows the method of controlling audio gain and providing A.V.C. action. Although 2 tubes are shown for simplicity, it also applies to single multi-purpose tubes.

Suggested replacement — 500,000Z

Circuit No. 19. Shows the method of controlling audio gain when the A.V.C. action is provided by a separate resistor. This circuit likewise applies to a multi-purpose tube.

Suggested replacement — 500,000Z

Circuits No. 20 & No. 21. Show methods of providing tone control in grid circuits.

Suggested replacement — 500,000Z

Circuits No. 22 & No. 23. Show methods of providing tone control in plate circuits.

Suggested Replacement — 30,000S Wire Wound. Carbon Controls tend to burn out.

Circuit No. 24. Shows the method of controlling pick-up volume.

*Suggested replacement —
For dynamic pick-ups 25,000 W
For crystal pick-ups 500,000Z*

DONT'S

DON'T attempt to replace "C" bias and antenna "C" bias controls before checking:

1. Control tubes for "shorts".
2. Bleeder resistor (if used).
3. Whether original control has a built-in bias resistor.

In such cases use external bias resistor if exact duplicate is not available.

DON'T attempt to replace screen grid control before checking:

1. Control tubes for "shorts".
2. Screen by-pass condensers for "shorts".

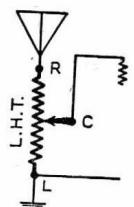
DON'T attempt to replace plate circuit tone controls before checking series condensers for "shorts". Due to high A.C. voltages generated across control on loud signals, we strongly recommend the use of wire-wound controls for such applications. *Failure to heed this precaution may result in burnt-out controls.*

DON'T cut shaft and solder in lead wires before checking control action.

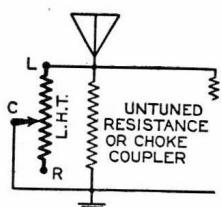
Failure to observe these "don'ts" is sufficient cause for dealer to refuse replacement.

DON'T attempt to replace with other than recommended tapers.

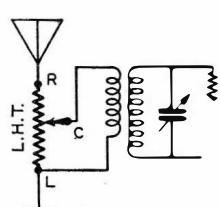
Precision controls for control precision



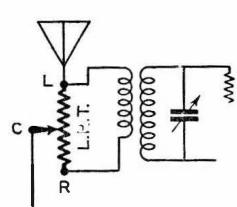
Circuit 1



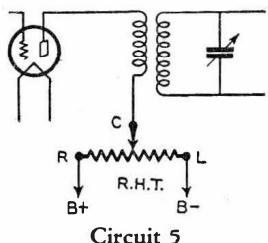
Circuit 2



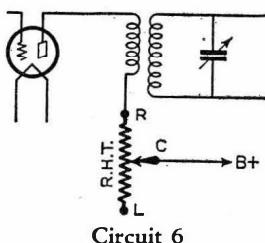
Circuit 3



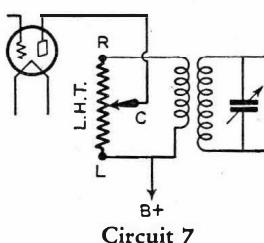
Circuit 4



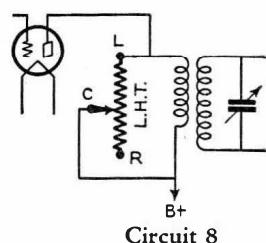
Circuit 5



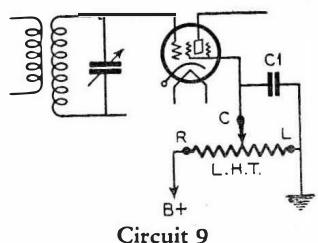
Circuit 6



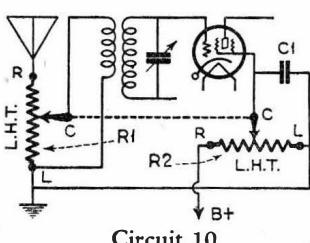
Circuit 7



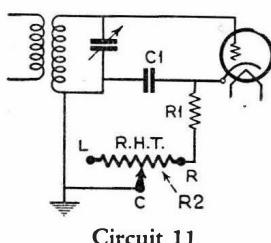
Circuit 8



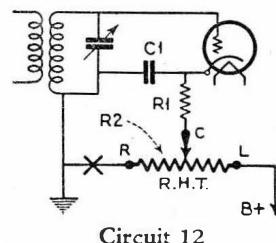
Circuit 9



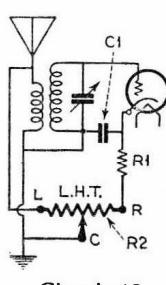
Circuit 10



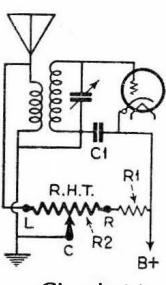
Circuit 11



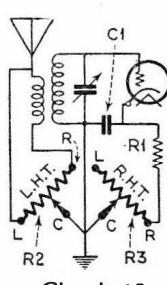
Circuit 12



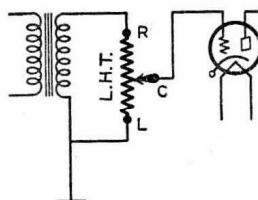
Circuit 13



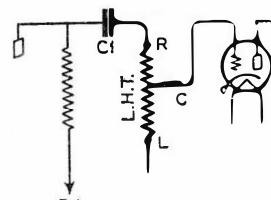
Circuit 14



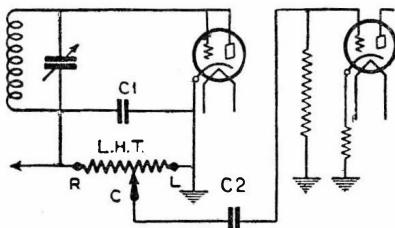
Circuit 15



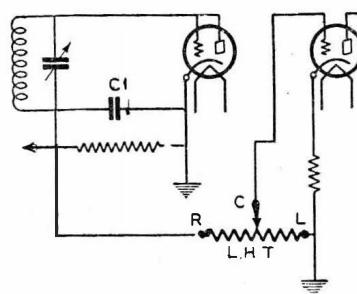
Circuit 16



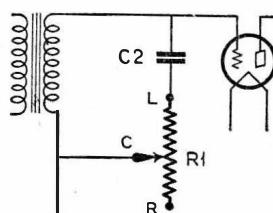
Circuit 17



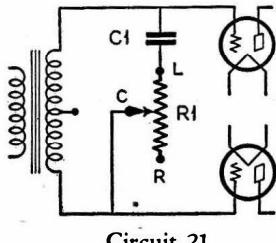
Circuit 18



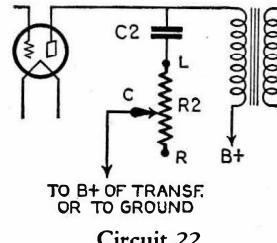
Circuit 19



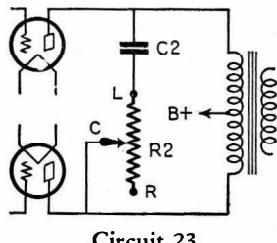
Circuit 20



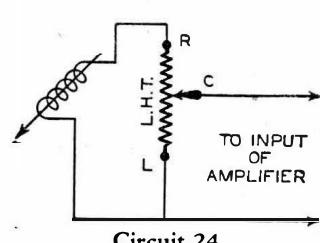
Circuit 21



Circuit 22



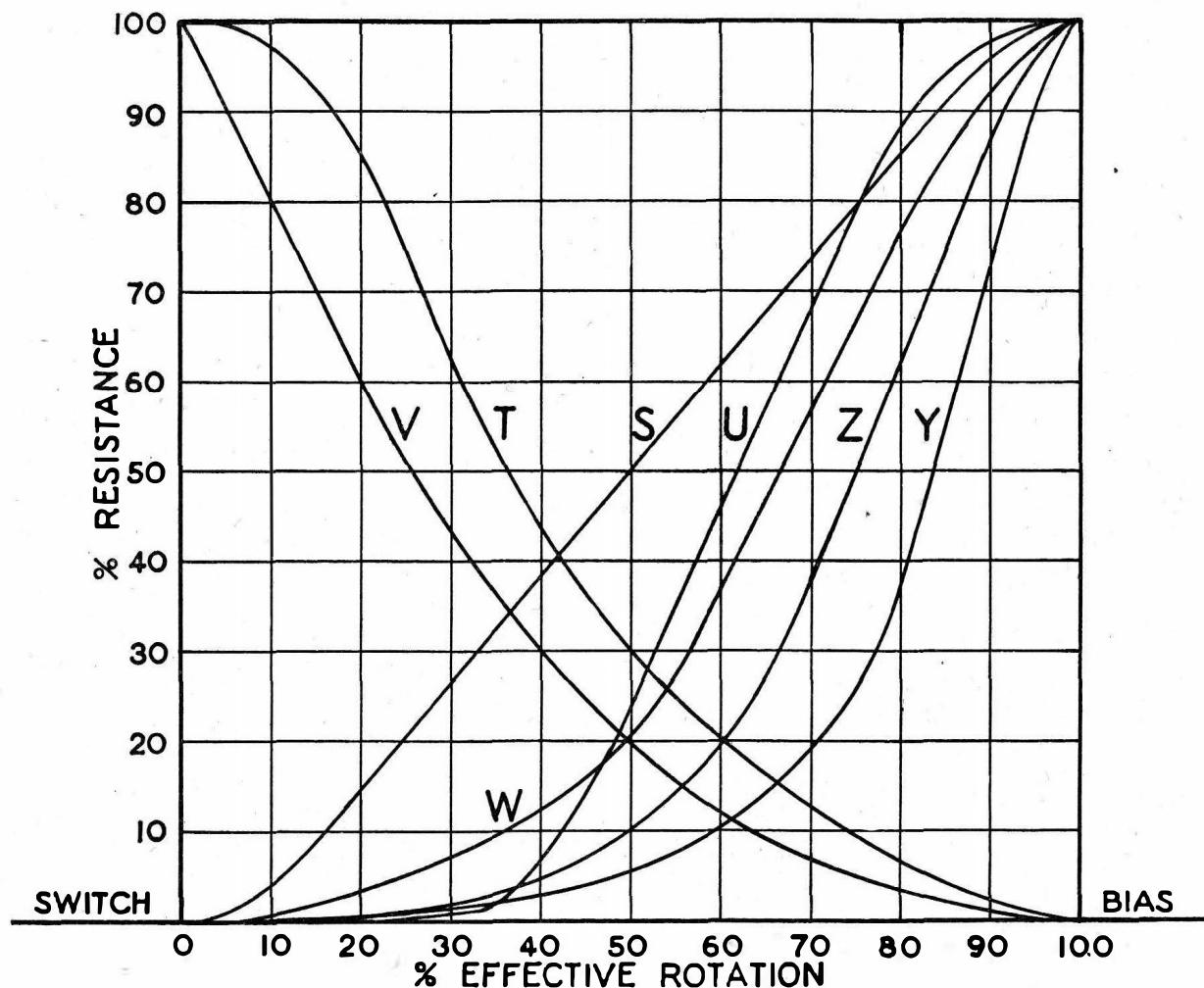
Circuit 23



Circuit 24



CLAROSTAT STANDARD RESISTANCE CURVES AND THEIR RECOMMENDED USAGE



These curves show the various standard tapers available in the composition element type (series "C") controls. During the process of manufacture of the resistance element, great care is taken to insure a smooth resistance change throughout the

entire rotation, in that a smooth resistance change is of prime importance for a "noiseless" control.

The following tabulation gives the general characteristics and the recommended use of these tapers.

TYPE	TAPER	TYPICAL USAGE
"V"	Right Hand	"C" bias rheostat.
"T"	Right Hand	Ant. & "C" bias control for 1 tube with bleeder or 2 tubes without bleeder.
"U"	Left Hand	Ant. & "C" bias control for 1 tube without bleeder.
"W"	Left Hand	Screen grid voltage control, phono-pickup control, and regeneration control.
"Y"	Left Hand	Audio shunt & A.V.C. control where a very steep taper is desired. Used only when "Z" curve does not give proper control action.
"Z"	Left Hand	Audio shunt, A.V.C. and tone control. Widely used as such.
"S"	Linear	Standard potentiometer.
"L" & "N"	Left Hand	Special — Available only in resistance values given under series "C" and "W" listings, pages 65, 66, 67.

The above curves do not apply for the Series "W" wire-wound potentiometers, in that it is un-economical to produce such resistance elements.

However, the tapers employed in wire-wound or "W" controls are so modified as to be applicable in the circuits recommended.

Precision controls for control precision



CLAROSTAT COMPOSITION-ELEMENT SERIES "C" CONTROLS

FOR applications requiring wide range of resistance values in a given variable control, and when the current is insignificant, the CLAROSTAT composition-element unit is the economical choice. These units afford an enormous range of resistance values, are fully dependable, absolutely noiseless and are long lived.

The resistance element comprises a specially developed carbon body material precisely applied to a thin moisture-proof base. The required resistance can be accurately predetermined and controlled by varying the "mix" which is then sprayed on the base. This delicate chemical and mechanical process permits extreme resistance tapers not feasible in winding any wire-wound element, bar none.

Many problems have had to be solved by CLAROSTAT chemists and engineers. Composition element has called for almost no end of chemical and mechanical development. Absolute production control must be maintained. Units are subjected to all manner of climatic changes and varying currents in checking degrees of electrolysis or electro-chemical deterioration. Special alloy is used for maintaining constant and negligible resistance value between center terminal and mov-

ing contact, as contrasted with high and uncertain resistance values resulting from use of commonly available metals. Ingenious biting effect between spring and contact shoe insures positive continuity through spring and contact shoe assembly.

Eliminating high-resistance and uncertain connections, CLAROSTAT composition-element controls provide "silent" controls, whether employed in a delicate antenna circuit subject to tremendous amplification of slightest defect, or in an audio circuit where highly amplified results must be handled. These controls retain noiseless characteristics, and remain unaffected by temperature, humidity and climatic changes.

Power Switch, Series "U" slips on any unit merely by removing the end plate and replacing with Ad-A-Switch Assembly.

Available in a wide range of resistance values. Also in several standard tapers. (See listing below). Maximum safe power dissipation for linear controls is 1 watt. Tapered units have lower power rating depending on steepness of taper curve. The steeper the curve, the lower the rating.

Series "C" Ad-A-Switch Composition Element Controls	List Price	Resistance in ohms	Characteristics of Resistance Element and Suggested Use of Units
C- 9	\$1.00	1000L	Tapered pot. for untuned antenna control.
C-12	1.00	2000L	Tapered pot. for untuned antenna control.
C-16	1.00	3000U	Tapered pot. for combined antenna & C bias control.
C-20	1.00	5000U	Tapered pot. for combined antenna & C bias control.
C-24	1.00	7500U	Tapered pot. for combined antenna & C bias control.
C-27	1.00	10000	Std. pot.
C-28	1.00	10000N	Tapered pot. for antenna or R.F. coil control.
C-29	1.00	10000U	Tapered pot. for combined antenna & C bias control.
C-30	1.00	10000V	Tapered pot. for C bias control.
C-33	1.00	15000U	Tapered pot. for combined antenna & C bias control.
C-34	1.00	15000V	Tapered pot. for C bias control.
C-37	1.00	20000U	Tapered pot. for combined antenna & C bias control.
C-38	1.00	20000V	Tapered pot. for C bias control.
C-40	1.00	25000	Std. pot.
C-41	1.00	25000W	Tapered pot. for screen grid and phono pickup control.
C-44	1.00	50000	Std. pot.
C-45	1.00	50000W	Tapered pot. for screen grid and phono pickup control.
C-46	1.00	50000Z	Tapered pot. for tone control.
C-47	1.00	75000	Std. pot.
C-48	1.00	75000V	Tapered pot. for C bias control.
C-49	1.00	100000	Std. pot.
C-50	1.00	100000N	Tapered pot. for R.F. shunt control.
C-51	1.00	100000Z	Tapered pot. for tone and audio shunt control.
C-52	1.00	200000	Std. pot.
C-53	1.00	200000Z	Tapered pot. for tone and A.V.C. control.
C-54	1.00	200000V	Tapered pot. for C bias control.
C-55	1.00	250000	Std. pot.
C-56	1.00	250000Y	Tapered pot. for audio transformer shunt.
C-57	1.00	300000	Std. pot.
C-58	1.00	500000	Std. pot.
C-59	1.00	500000Y	Tapered pot. for audio transformer shunt.
C-60	1.00	500000Z	Tapered pot. for tone and A.V.C. control.
C-61	1.00	1000000	Std. pot.
C-62	1.00	1000000Y	Tapered pot. for audio transformer shunt.
C-63	1.00	1000000Z	Tapered pot. for tone and A.V.C. control.
C-64	1.00	250000Z	Tapered pot. for tone and A.V.C. control.



C-65	1.00	1500000Z	Tapered pot. for tone and A.V.C. control.
C-66	1.00	2000000Z	Tapered pot. for tone and A.V.C. control.
C-67	1.00	3000000Z	Tapered pot. for tone and A.V.C. control.
C-68	1.00	4000000Z	Tapered pot. for tone and A.V.C. control.
C-69	1.00	5000000Z	Tapered pot. for tone and A.V.C. control.
C-70	1.00	10000T	Tapered pot. for antenna and C bias control
C-71	1.00	25000U	Tapered pot. for antenna and C bias control
C-72	1.00	25000V	Tapered pot. for C bias control

CLAROSTAT WIRE-WOUND SERIES "W" CONTROLS

WHEREVER a dependable rheostat or potentiometer is required for delicate control purposes, yet capable of handling a considerable current, CLAROSTAT wire-wound controls are the logical choice. They are quiet in the first place, remain quiet, and last. There are no cheaper controls in the final analysis.

That these are not loose claims may be judged from the patronage and endorsement which CLAROSTAT wire-wound controls enjoy. The U. S. Government, Bell Telephone Laboratories, General Electric Company, National Broadcasting Company, Columbia Broadcasting System, Crosley Radio Corporation and many other critical users unhesitatingly specify CLAROSTAT controls.

The basis of these controls is the wire-wound element housed in molded bakelite casing provided with suitable metal end plate to keep out dust and dirt, and to prevent unnecessary tampering. Carefully selected wire is firmly wound on thin bakelite strips by precision winding machines created, engineered and built by our personnel for our exclusive use.

Perfect sliding contact is made possible by a special alloy contacting member or shoe, together with the use of an exclusive lubricant. Humidity, temperature and age have a negligible effect on these controls. The stop, employed to limit rotation, is independent of the contact member and securely fastened to the shaft.

Available in wide ranges of resistance values and in several standard tapers for different control functions. (See listing below.)

Power switch, (Series "U"), slips on any unit merely by removing end plate and replacing it with Ad-A-Switch assembly.

Linear resistance controls rated at 3 watts. "V" and "W" tapered controls rated at 2 watts. "L", "N" and "U" tapered controls rated at 1.5 watts. Ratings apply only to maximum resistance settings. Power dissipation for intermediate resistance settings is equal to ratio of resistance at that point to total resistance multiplied by maximum power dissipation.

Series "W" Ad-A-Switch Wire Wound Controls	List Price	Resistance in ohms
W- 1	\$1.00	50
W- 2	1.00	100
W- 3	1.00	200
W- 4	1.00	300
W- 5	1.00	400
W- 6	1.00	500
W- 7	1.00	750
W- 8	1.00	1000
W- 9	1.00	1000L
W-10	1.00	1000V
W-11	1.00	2000
W-12	1.00	2000L
W-13	1.00	2000V
W-14	1.00	2000W
W-15	1.00	3000
W-16	1.00	3000U
W-17	1.00	3000V
W-18	1.00	3000W
W-19	1.00	5000
W-20	1.00	5000U
W-21	1.00	5000V
W-22	1.00	5000W
W-23	1.00	7500
W-24	1.00	7500U
W-25	1.00	7500V
W-26	1.00	7500W
W-27	1.00	10000
W-28	1.00	10000N
W-29	1.00	10000U
W-30	1.00	10000V
W-31	1.00	10000W

Characteristics of Resistance Element and Suggested Use of Units

Std. potentiometer
Std. pot.
Tapered pot. for untuned antenna control
Tapered pot. for C bias control
Std. pot.
Tapered pot. for untuned antenna control
Tapered pot. for C bias control
Tapered pot. for screen grid control
Std. pot.
Tapered pot. for combined antenna & C bias control
Tapered pot. for C bias control
Tapered pot. for screen grid control
Std. pot.
Tapered pot. for combined antenna & C bias control
Tapered pot. for C bias control
Tapered pot. for screen grid control.
Std. pot.
Tapered pot. for combined antenna & C bias control
Tapered pot. for C bias control
Tapered pot. for screen grid control.
Std. pot.
Tapered pot. for antenna or R.F. coil control.
Tapered pot. for combined antenna & C bias control
Tapered pot. for C bias control
Tapered pot. for screen grid control.

Precision controls for control precision



W-32	1.00	15000	Std. pot.
W-33	1.00	15000U	Tapered pot. for combined antenna & C bias control
W-34	1.00	15000V	Tapered pot. for C bias control
W-35	1.00	15000W	Tapered pot. for screen grid and phono pickup control.
W-36	1.00	20000	Std. pot.
W-37	1.00	20000U	Tapered pot. for combined antenna & C bias control
W-38	1.00	20000V	Tapered pot. for C bias control.
W-39	1.00	20000W	Tapered pot. for screen grid and phono pickup control.
W-40	1.30	25000	Std. pot.
W-41	1.30	25000W	Tapered pot. for screen grid and phono pickup control.
W-42	1.30	30000	Std. pot.
W-43	1.40	40000	Std. pot.
W-44	1.40	50000	Std. pot.

CLAROSTAT VOLUME CONTROL REPLACEMENT KITS

FOR convenience, economy and satisfaction in servicing radio sets, Clarostat Volume Control Replacement Kits are available in the composition-element and the wire-wound types. You save in three ways through using these kits:

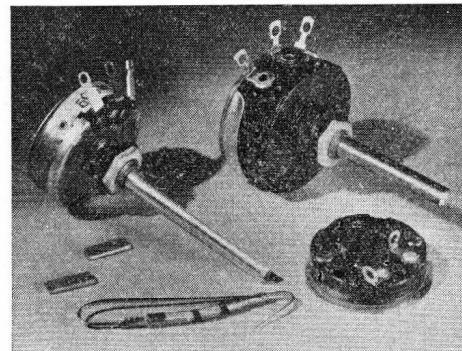
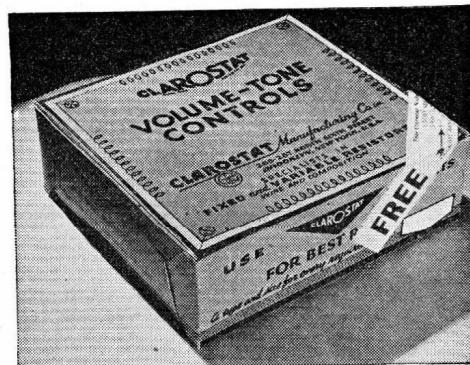
- (1) *Time-saving* — you're always ready to service the most popular radio sets.
- (2) *Cash-saving* — you enjoy the quantity prices on the volume controls and switches contained in the kit, along with the five *free* resistors.
- (3) *Labor-saving* — these are standard Clarostat controls, which means no kicks and return calls to make good, when you install these trouble-proof components.

Stock both kinds, the composition-element and the wire-wound assortments, and you are ready for nine-tenths of the most popular makes and models of radio sets.

Each kit contains five different and most called for resistance values, plus five FREE $\frac{1}{2}$ -watt flexible resistors applied externally for desired bias resistance. Also three Ad-A-Switch units that snap on any Clarostat Volume Control as the power switch feature. The controls are supplied with milled aluminum shafts that may be readily cut to any desired length. Shims are included, so as to fit the half-round shafts to certain off-standard knobs.

Series "C" Composition-Element Volume Control Kit.....\$6.50

Series "W" Wire-Wound Volume Control Kit.....\$6.50



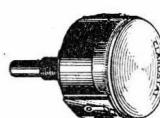
Contents of Kit
5 Volume Controls (either Composition or Wire-Wound).
3 Ad-a-Switches
5 Flexible Resistors

CLAROSTAT FADERS AND EXTRA TERMINAL POTENTIOMETERS

CLAROSTAT Wire Wound Potentiometers can be provided with additional fixed taps or terminals placed at the center or at any other point on the resistance element. The sections on either side of the tap can be furnished in uniform windings.

Units provided with a single tap at the center of the resistance element are ideally suited for use as faders to obtain absolutely quiet, clickless switching or changeover of an amplifier or other apparatus from one phonograph pickup to another, from one microphone to another or for similar applications.

The standard Clarostat Series FP10-50000 Fader having a resistance element of 50,000 ohms tapped at the center will be found suitable for most applications. Special units can be made in resistance



Series FP10 Fader
List Price, \$2.00

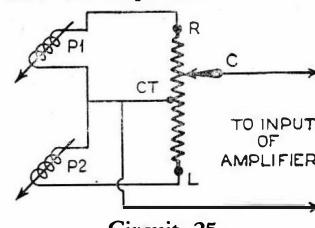
values up to 100,000 ohms on special order.

In the Type FP10-50000 Fader, when the slider or contact arm reaches the centerpoint tap of the resistance element, both pickups or microphones are at zero and there is therefore no signal output to the amplifier.

This type of fader does everything that can be expected of a fader and there is no need to use more expen-

sive, constant impedance faders for this purpose.

Although a fader can be used as a volume control, much better results, in the way of smooth, gradual, distortionless control will be obtained by using the fader merely as a fader and using a standard Clarostat Constant Impedance Volume Control between the fader output and the amplifier.



Circuit 25

Precision controls  *for control precision*

AD - A - SWITCH — SERIES "U"

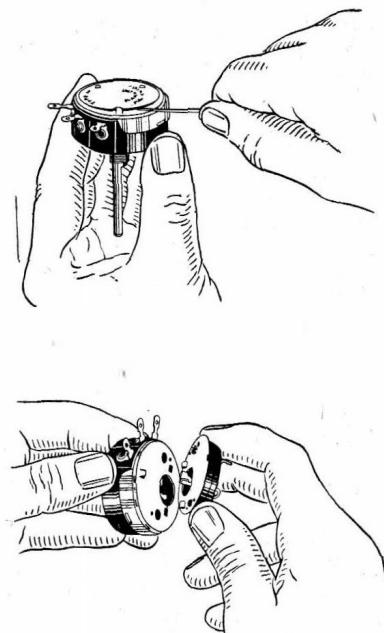
Power Switch Unit Attachable to Series "C" and "W" Controls

INSTRUCTIONS FOR MOUNTING

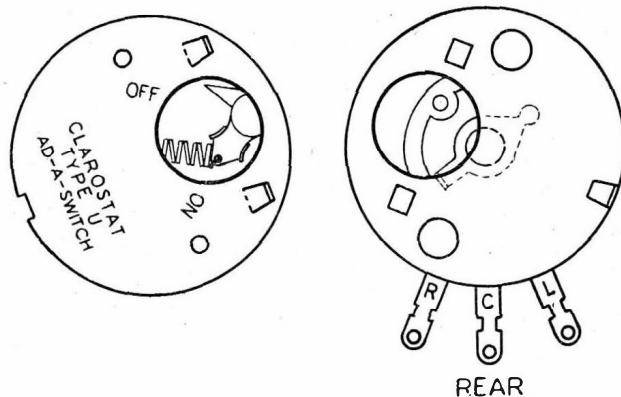
THE ingenious Ad-a-Switch Unit, Series "U", is readily attachable to any Series "C" or "W" CLAROSTAT control. It provides for any combination of control and switch, with a minimum of stock and inventory investment.

The method by which the Ad-a-Switch is combined with any CLAROSTAT "C" or "W" control is as follows:

1. Remove dust cover of control by lifting with screwdriver or thumb nail. Slide blank cover off. Rotate control shaft (looking at shaft end) to full clockwise position.
2. Pick up Ad-a-Switch plate. Make sure that switch actuating cam is to the side marked "ON".
3. Insert double ears or lugs of switch plate in corresponding cover slots of control plate, and snap down in position.
4. Try switch by rotating control shaft.
5. Push metal nib over switch plate, thus securely fastening plate to control cover.



ILLUSTRATING CORRECT CAM AND SHAFT POSITION FOR MOUNTING SWITCH



AVAILABLE SWITCHES FOR SERIES "C" AND "W" CONTROLS

SINGLE POLE SINGLE THROW	SINGLE POLE DOUBLE THROW	DOUBLE POLE SINGLE THROW	THREE WIRE Series U-3	FOUR WIRE Series U-4
Series U Rating 1 Amp.—250 Volts 3 Amp.—125 Volts 12 Amp.— 8 Volts	Series U-1 (3-Way) No "OFF" Position	Series U-2 Rating 1 Amp.—250 Volts 3 Amp.—125 Volts 12 Amp.— 8 Volts	Used to control the "A", "B" and "C" supply on low voltage battery sets.	Used to control the "A", "B" and "C" supply on low voltage battery sets.
Circuit Layout	Circuit Layout	Circuit Layout	Circuit Layout	Circuit Layout

Listed as Standard by Underwriters Laboratories

LIST PRICE ALL SWITCHES — \$50

Precision controls for control precision



CLAROSTAT CONSTANT IMPEDANCE CONTROLS "T" Pad, "L" Pad and Series Mixers

When high quality reproduction of sound is required in public address, broadcast transmission, sound recording, projection and multiple outlet reproduction systems, care must be taken in the selection of volume controls or attenuators to eliminate distortion which arises from the mismatching of impedances.

Volume controls or attenuators for this purpose must, therefore, be of the constant impedance type; that is, the input or output impedance, with the associated apparatus in the circuit, must remain within the limits of a required constant value.

For such requirements, Clarostat herewith lists three types of controls, each designed for a particular usage.

THE "T" PAD, the wiring diagram of which is shown in Fig. 1, and connections in Fig. 2, maintains a constant impedance both at the source and load terminals. It can therefore be used in any circuit requiring such characteristics. The "T" Pad is recommended for use as master level controls, mixer controls and output controls.

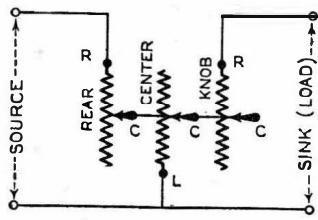


Fig. 1

Although these controls have a theoretical attenuation of infinity, the practical range is 30 db in 80% rotation. For this range the attenuation in db is directly proportional to rotation. Care must be taken to limit the wattage across these units to a maximum of 2.5 watts.

Figure 3 shows how to connect a multiplicity of sources to a common load while main-

This type of Pad is recommended for use as a volume control for individual speakers in multi speaker installations. For this purpose care must be

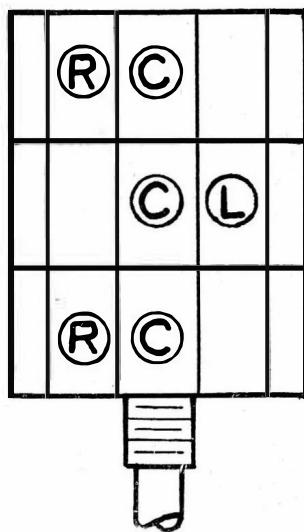


Fig. 2

taining a constant impedance across each source and across the load.

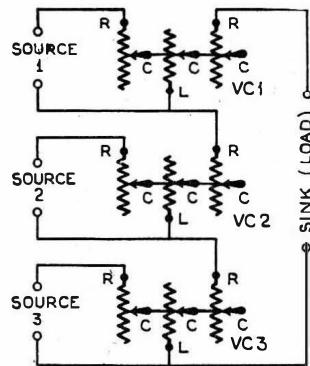


Fig. 3

THE "L" PAD, wiring diagram of which is shown in Fig. 4 and connections in Fig. 5, maintains a constant impedance only at the source terminals with the load terminals connected to associated apparatus.

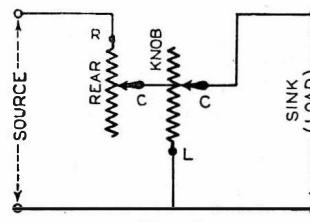


Fig. 4

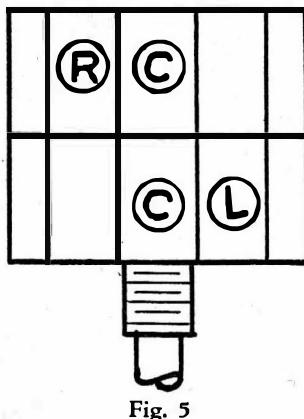


Fig. 5

taken to limit the wattage across these units to a maximum of 2.5 watts.

Fig. 6 shows how to connect a multiplicity of loads (speakers) to a common source (output transformer) and at the same time maintain a constant impedance to the source.

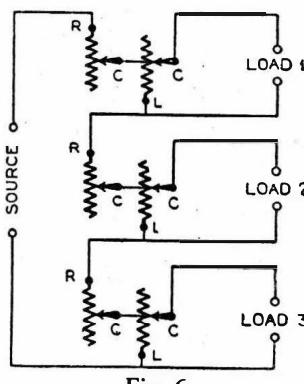


Fig. 6

THE TYPE "CISM" CONTROL, wiring diagram of which is shown in Fig. 7 and connections in Fig. 8, maintains a constant impedance at the load terminals only. This control is primarily intended for use as a mixer control in broadcasting and recording systems. For these purposes this control has been adopted after intensive tests, by one of the largest broadcasting systems in the country. Fig. 9

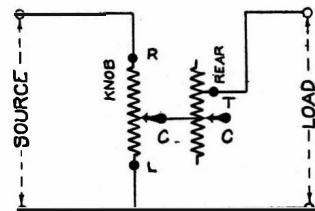


Fig. 7

shows how to connect a multiplicity of sources (microphones, pick-ups, etc.) to a

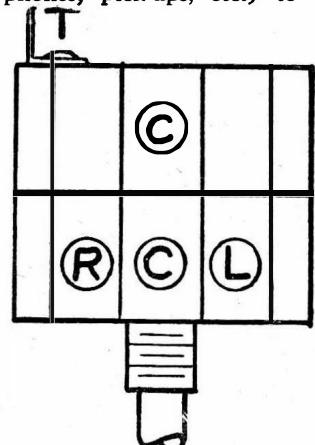


Fig. 8

common load at the same time maintaining a constant impedance to the load.

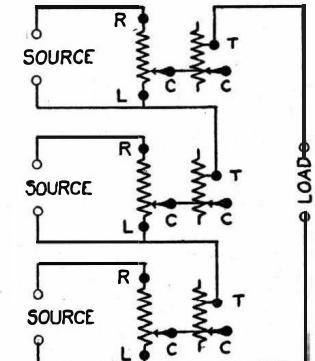


Fig. 9

Any of the above constant impedance controls are available for all line impedances up to 1000 ohms.

List Prices

"T" Pad	\$3.50
"CISM"	3.00
"L" Pad	3.00

All controls are equipped with standard bushing, $\frac{3}{8}$ " x $\frac{3}{8}$ " length, and $1\frac{1}{2}$ " insulated shaft.

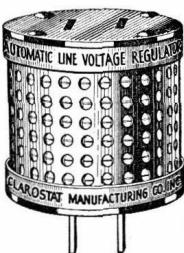
Precision controls for control precision



CLAROSTAT AUTOMATIC LINE VOLTAGE REGULATORS

The Clarostat Automatic Line Voltage Regulator illustrated is designed for use with 110-volt socket power radio sets not equipped for line ballasts. It is made in six types of different electrical characteristics, each type being designed to meet the requirements of various classes of receivers of different power ratings.

At 110 volts, the resistance of the units is low and the voltage drop across them is negligible. As the line voltage increases, however, the resistance of the units increases with a consequent increase in voltage drop across them, keeping the voltage across the primary of the power transformer of the set practically constant, even though the line voltage increases up to 140 volts.



To install this unit, all that is necessary is to insert the usual attachment plug of the radio set into the slots provided in the top. Then insert the prongs of the unit into the slots of the usual screw type plug or convenience outlet of the electric light system.

The body dimensions of this unit are only 1 3/4 in. in diameter and 1 1/4 in. in length. The prongs are 5/8 in. long.

List Price, All Types, \$1.75

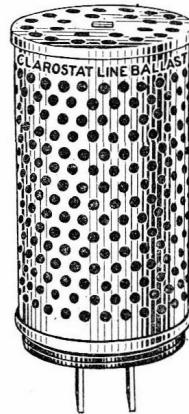
Type No.	Rating Watts	For Use with Sets Consuming	No. of Tubes Used
O	50	Up to 60 Watts	4
A	100	60 to 100 Watts	5, 6, 7
B	150	100 to 150 Watts	8, 9, 10
C	200	150 to 200 Watts	11, 12
D	250	200 to 250 Watts	2 Type 50
E*	100	60 to 100 Watts	

*Note: For use with 220 volt receivers

CLAROSTAT REPLACEMENT LINE BALLASTS

The Clarostat Line Ballasts are available in a wide variety of types to meet the requirements of the standard receivers below. These receivers have been designed to include a Line Ballast and are provided with sockets into which the Clarostat Line Ballasts can be inserted.

The Clarostat Line Ballasts will maintain the normal voltage across the primary of the power transformers of these sets within the allowable limits for efficient operation in spite of line volt-



age fluctuations over a range of from 95 to 135 volts.

The body dimensions of these units are 1 3/4 in. in diameter and 3 1/8 in. in length.

LIST PRICE—\$2.50

A special double length Clarostat Ballast, Type 2200 and 2000 having a Mogul Base adapter, is supplied to replace the UV-876 and UV886 Ballast Tubes respectively.

TYPE 2000, LIST PRICE \$5.00

TYPE 2200, LIST PRICE 5.00

Manufacturer	Ballast Type No.	Manufacturer	Ballast Type No.
Belmont	2518	180-181 Power Pack 8P6	1012
Bremer-Tully	6412	90-91-92-100	1210
S-81, S-82	2169	Majestic, 25 cycles	
S-83, S-84	2518	181-8-P3	1000
25 cycles	6412	70-7-B-P-3	1422
Brunswick S-14; S-21; S-31	2518	90-9-P-3	1024
25 cycles	2914	Nathaniel Baldwin	2516
Canadian Marconi Ltd.	2408	Peerless 71, 72	6310
Clarion—51; 53; 55	5400	Pierson	2500
Erla	6310	Roger Majestic	
Grebe	6420	400, 60 cycles	2832
SK-4 105 Volts.	6412	400, 25 cycles	2734
SK-4 138 Volts.	6412	480, 490	2734
SK-4 115 Volts.	0600	Scott A. C. 10	2179
HS-5 125 Volts.	0500	Silver-Marshall	
M-3-4 115 Volts.	0500	30B, 30, 60B, 60, 75B, 75, 95 Highboy	2179
HS-12 115 Volts.	0500	Simplex	2516
HS-6 115 Volts.	0710	Sonora	
HS-4 125 Volts.	0608	A30, A32, A40	2179
M 1-2 115 Volts.	0608	A36, A44, A46	4210
HS 8 Single Pent.	4210	Star Raider R-20, R-30, RE-40	2100†
HFL Mastertone	2179	Starck Piano	2518
Hammarlund Roberts	2408	Stewart Warner	
HiQ 30	6412	900	5001
HiQ 31	6412	950	5002
Kennedy	6412	R-100	5003
426, 526, 626, 726, 826, 632, 1030	6310	United Reproducer	
Kyletron	2314	21, 22, 23, 24, 25	6310
K-71, K-72	6412	UV876 Tube	2200†
Larkin	1516	UV886 Tube	2000†
Majestic, 60 cycle	1508	NOTE †: MOGUL BASE, DOUBLE LENGTH CASE—	
70-71 Power Pack 7P6, 1928		NOTE *: USE TWO BALLASTS IN SERIES	
Power Pack 7BP6, 1929			

Precision controls for control precision

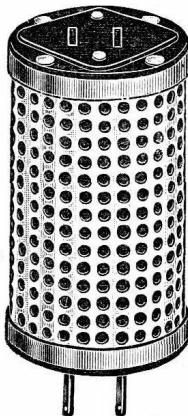


CLAROSTAT LINE VOLTAGE REDUCING RESISTORS

For use with Universal A.C. and D.C. Receivers

These Line Reducing Resistors are equipped with both male and female plugs in four varying combinations:

For use with American Standard plug add letter "C" to type numbers; for use with Continental European standard plugs, add letter "E"; for use with female American standard and male Continental European standard add letters "EF"; for use with female American Standard and male United Kingdom standard add letters "CUK."



Special Line Reducing Resistors may be had when complete information is furnished as to name of manufacturer and model number of receiver, current drain, line voltage on which used and voltage drop desired.

Millampere Drain of Set	Line Voltage	Voltage Drop	Resistor Type No.
300 - 340.....	220.....	110.....	7724
350 - 390.....	220.....	110.....	7720
400 - 440.....	220.....	110.....	7626
450 - 500.....	220.....	110.....	7622

List price, all types \$2.50

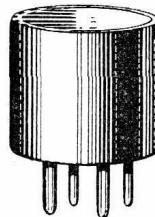
CONVERSION RESISTOR PLUG

Unit Fits Standard Four-Prong Socket

This CLAROSTAT CONVERSION RESISTOR PLUG permits the use of EVEREADY AIR CELL BATTERIES with battery receivers that originally employed a ballast tube.

Through the use of this conversion resistor, the following advantages to the radio receiver owner are had:

1. Use of the EVEREADY AIR CELL BATTERY which provides a constant voltage to the radio receiver over a long period, thus insuring the best possible radio reception.
2. The cheapest battery supply available because of the long life of the EVEREADY AIR CELL.
3. Eliminates the cost of replacing the frail ballast tubes.



4. The original cost of this conversion resistor is its last cost because it will never need replacement.

This conversion from dry cell to EVEREADY AIR CELL operation may be made by simply choosing the proper conversion resistor listed below and inserting it into the socket provided for the ballast tube. No tools, no soldering. Just take the ballast tube out and put in this conversion resistor. The receiver owner can do it himself.

NOTE: This device is guaranteed only when used to convert battery operated receivers using ballast tubes, to EVEREADY AIR CELL operation. It must never be used with dry cell batteries.

LIST OF CONVERSION RESISTOR PLUGS

Model of Set	Plug Type	Model of Set	Plug Type
MONTGOMERY WARD (Air Line)		SEARS ROEBUCK (Silvertone)	
Models 62-91	100	Models 1712, 1713, 1714, 1854, 1857	140
" 77, 95	110	" 1710, 1711A, 7090A, 1711, 7090	150
" 1850, 1851		" 1850, 1851	160
PHILCO		SENTINEL	
Models 34, 34A, 38, 38A, 39, 39A (38 & 38A using type 15 translator tube)	120	Models 660, 6200, 6234, 6241	110
" 38, 38A (using type 1C6 translator tube)	130	" 7700, 7732, 7741	130
COLONIAL		Model 659	160

LIST PRICE, ALL TYPES — \$1.00

Precision controls for control precision



CLAROSTAT "CLINCH GRIP" FLEXIBLE RESISTORS

These resistors are ideal wherever a relatively low resistance value is required in that they are wire wound, permanent as to resistance value and above all are noiseless.



Type FX—Using 1/16" Dia. Core
Type FY—Using 1/8" Dia. Core

1/2 WATT RATING—TYPE FX
1" Fabric Length with 2" Pigtailed

Type No.	Ohms	Type No.	Ohms
FX5	5	FX300	300
FX10	10	FX350	350
FX15	15	FX375	375
FX25	25	FX400	400
FX40	40	FX450	450
FX50	50	FX500	500
FX60	60	FX600	600
FX75	75	FX700	700
FX100	100	FX750	750
FX125	125	FX800	800
FX150	150	FX850	850
FX200	200	FX900	900
FX225	225	FX1000	1000
FX250	250		

1 WATT RATING—TYPE FY
1" Fabric Length with 2" Pigtailed

Type No.	Ohms	Type No.	Ohms
FY5	5	FY375	375
FY10	10	FY400	400
FY15	15	FY450	450
FY25	25	FY500	500
FY40	40	FY600	600
FY50	50	FY700	700
FY60	60	FY750	750
FY75	75	FY800	800
FY100	100	FY850	850
FY125	125	FY900	900
FY150	150	FY1000	1000
FY200	200	FY1250	1250
FY225	225	FY1500	1500
FY250	250	FY1600	1600
FY300	300	FY1750	1750
FY350	350	FY2000	2000

LIST PRICE, All 1/2-Watt Sizes 20c

LIST PRICE, All 1-Watt Sizes, 25c

Special lengths and resistor values can be supplied on order.

CLAROSTAT FIXED RESISTOR SERIES "SP"

The Clarostat Series "SP" Fixed Resistors are wound on a thin bakelite strip. The resistance wire is firmly wound on the bakelite eliminating any possibilities of shorted turns. The mounting terminals are firmly clamped to the end of the resistance element for positive contact and mechanical strength. These units are all made to a standard tolerance of plus or minus 10%, and are rated at one watt.



SERIES
S.P.

Catalog No.	Resistance Value	List Price
SP-10	10 ohms	\$.15
SP-15	15 "	.15
SP-20	20 "	.15
SP-25	25 "	.15
SP-30	30 "	.15
SP-40	40 "	.15
SP-50	50 "	.15
SP-100	100 "	.15
SP-200	200 "	.15
SP-300	300 "	.15
SP-400	400 "	.15
SP-500	500 "	.15

CLAROSTAT FIXED — CENTER TAP — SERIES "SPC"



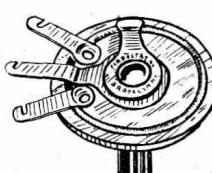
SERIES
S.P.C.

Catalog No.	Resistance Value	List Price
SPC-10	10 ohms	\$.15
SPC-15	15 "	.15
SPC-20	20 "	.15
SPC-30	30 "	.15
SPC-50	50 "	.15
SPC-100	100 "	.15

The Series "SPC" units are made exactly as our "SP" Resistors but are tapped in the center of their resistance value. The standard tolerance is plus or minus 10% and the power rating is 1 watt.

VARIABLE CENTER TAP — SERIES "MH" POTENTIOMETERS

The Series "MH" Potentiometers are 1 1/8" in diameter and project only 3/16" back of the panel. They are available in resistance values up to 1,000 ohms, and are rated at one watt. The movable arm and its center terminal are grounded to the mounting bushing and shaft. (3/8" and 1/2" in length respectively). These units are recommended for use as filament rheostats for the 2 volt tubes, as sensitivity controls and as variable center tapped resistors.



SERIES
M.H.

Catalog No.	Resistance Value	List Price
MH-10	10 ohms	\$.50
MH-20	20 "	.50
MH-30	30 "	.50
MH-50	50 "	.50
MH-100	100 "	.50
MH-200	200 "	.50
MH-400	400 "	.50
MH-600	600 "	.50
MH-1000	1000 "	.50

Precision controls for control precision



SERIES "CFM" METAL COVERED RESISTORS

These resistors are a popular item, proved by their adaptation by the leading radio and electrical equipment manufacturers. Unique design suits them to efficient, original equipment or as replacements wherever high wattage type

of resistor is required. They are available in both flat and upright mounting positions, will safely operate at rated values, and have a breakdown voltage exceeding 500 volts.



LIST PRICES

Resistance Ohms	10 Watt 2½" Mtg. Centers	20 Watt 4" Mtg. Centers	40 Watt 7" Mtg. Centers	Resistance Ohms	10 Watt 4" Mtg. Centers	20 Watt 7" Mtg. Centers	40 Watt 7" Mtg. Centers
25	.30	.60	.....	1,250	.30	.....	.....
50	.30	.60	.80	1,500	.30	.....	.80
75	.30	.60	.80	2,000	.30	.....	.80
100	.30	.60	.80	2,500	.30	.....	.80
250	.30	.60	.80	3,000	.30	.60	.80
500	.30	.60	.80	5,000	.30	.60	.....
750	.30	.60	.80	7,500	.30	.60	.....
1,000	.30	.60	.80	10,000	.30	.60	.....
1,250	.....	.60	.80	12,500	.30	.60	.....
1,500	.....	.60	.....	15,000	.30	.60	.....
2,000	.....	.60	.....	20,000	.30	.60	.....
				30,000	.....	.60	.....
				35,000	.....	.60	.....
				40,000	.....	.60	.....

COMPRESSION TYPE VARIABLE RESISTORS

General Specifications, Type Numbers and Prices of all Clarostat Compression Type Variable Resistors

Trade Name

Filament Range Super Power Clarostat
Low Range Super Power Clarostat
Universal Range Super Power Clarostat
Filament Range Power Clarostat
Low Range Power Clarostat
Universal Range Power Clarostat
Filament Range Laboratory Clarostat
Low Range Speed Control Clarostat
Universal Range Laboratory Clarostat
Universal Range Standard Clarostat

Type No.	Rating Watts	Resistance Min.	Range-Ohms Max.	List Price
CSP-1	100	0.25	10	\$6.00
CSP-2	100	25	500	6.00
CSP-3	100	200	100,000	6.00
CP-1	50	0.25	10	3.50
CP-2	50	25	500	3.50
CP-3	50	200	100,000	3.50
CL-1	50	0.25	10	5.00
CSC-2	50	25	500	5.00
CL-3	50	200	100,000	5.00
CS	10	200	5,000,000	2.25



THE Type CSP Super-Power Clarostats are designed for heavy duty applications where variable resistors of high current handling capacity and wattage rating are required. They are available in three resistance ranges, all rated at 100 watts.

All CSP units have a casing which is 3 ¾ in. in diameter and 2 ¼ in. in depth, overall. The mounting bushing is ½ in. in diameter for mounting in a ½ in. or ⅝ in. hole and is long enough to permit mounting on a panel ⅛ in. thick. Because of the high wattage dissipation, however, it is desirable to mount the units away from the panel to permit maximum ventilation. These units are therefore provided with a mounting bracket which sets the unit 1 ½ in. back from the panel, making the distance between the panel and the rear of the unit (terminals included) 3 ¾ in.

Especially Suited For
Generator Field Control
Electroplating Control
Plate Voltage Control
Motor Speed Control
Filament Control
Experimental Use
Line Voltage Control
Transmitter Grid Leak
Soldering Iron Control
Heating Apparatus Control
Heavy Duty Volume Control

A 1 ¾ in. diameter Black Bakelite knob, specially designed to provide a good grip, is furnished with each unit.

The Type CSP-1 Filament Range Super-Power Clarostat has a resistance range of from ¼ to 10 ohms and is specially suited for speed control of variable speed motors up to ½ H.P. where a comparatively small variation of speed is required. It is ideally suited for Electroplating Control, where, because of its low cost, separate units can be used for individual vats or sections of vats.

In radio it finds wide application as a plate, filament and line voltage control, for receiver and transmitter equipment. It can be used in circuits where the voltage will not exceed 200 volts.

The Type CSP-2 Low Range Super-Power Clarostat has a resistance range of 25 to 500 ohms. It is designed for use as a motor speed control for motors up to ½ H.P. where a fairly wide range of speed adjustment is required, as a generator field control to regulate the output of a generator, as a heat control for soldering iron and other heating apparatus, as a line voltage control and as a plate voltage control in receiver and transmitting equipment. It can be used in all circuits where the voltage will not exceed 300 volts.

The CSP-3 Universal Range Super-Power Clarostat has a resistance range of from 200 to 100,000 ohms. It is ideally suited for heavy duty volume control, and as a variable grid leak in fairly high power amateur transmitters. It can be used in all circuits where the voltage does not exceed 500 volts.

Precision controls for control precision



THE Type CS Universal Range Standard Clarostat is a general purpose variable resistor which is very well suited to obtain exact adjustment of voltages. It may also be used as a volume, regeneration and oscillation control and as a variable grid leak in low power amateur transmitters. It is rated at 10 watts at any or all resistance settings within its range of practically zero to 5,000,000 ohms (5 megohms). This Clarostat can be used in any circuit where the maximum voltage in the circuit will never exceed 250 volts.

The compression principle used in this unit provides a smooth, even variation of resistance over the entire range.

This unit projects 1 3/8 in. overall behind the panel on which it is mounted, and the diameter of the casing is 1 1/4 in. It can be mounted on a panel with a single 3/8 in. or 1/16 in. hole. The mounting bushing is long enough to permit mounting on panels up to 1/4 in. in thickness.



THE Type CP Power Clarostats are rated at 50 watts and will fill most requirements of heavy duty amplifiers and receivers for variable resistors for

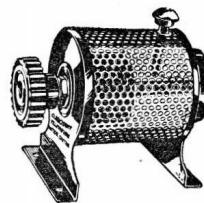
plate, filament, line voltage and motor speed controls. This type of unit is made in three different models.

All CP type units project 1 3/4 in. overall behind the panel on which they are mounted, and the diameter of the casing is 2 in. They can be mounted on a panel with a single 1/2 in. or 1/16 in. hole. The mounting bushing is long enough to permit mounting on panels up to 1/16 in. in thickness.

The Type CP-1 Filament Range Power Clarostat has a resistance range of from 1/4 to 10 ohms and is specially suited for tube filament, motor speed and line voltage control. It can be used in any circuit where the voltage does not exceed 200 volts.

The Type CP-2 Low Range Power Clarostat has a resistance range of from 25 to 500 ohms and is specially suited for generator and motor speed controls, heat controls for soldering irons and similar heating equipment, line voltage controls for receivers and amplifiers and any other purpose requiring a unit of this resistance range and power rating. It can be used in any circuit in which the maximum voltage will never exceed 300 volts.

The Type CP-3 Universal Range Power Clarostat has a resistance range of from 200 to 100,000 ohms and is designed for use in adjusting "B" and "C" eliminator voltages, as a volume control with heavy duty loudspeakers, as a "gain" control in broadcast amplifiers, as a variable grid leak in medium power amateur transmitters and other uses requiring a variable resistance of this range, capable of carrying fairly heavy currents without damage. It can be used in any circuit where the voltage will not exceed 500 volts.



THE Type CL Laboratory Clarostat consists of a Type CP Power Clarostat, mounted in a neat, ventilated protective housing and provided with a handy short-circuiting switch and protected screw binding posts. The spring-action short-circuiting button switch provides a simple means of temporarily shorting out the resistance of the unit.

The dimensions are 4 1/2 in. overall from base to top of button switch, 5 in. overall from front of adjusting knob to back of casing and 3 in. wide.

The unit is provided with a Black Bakelite knob as shown in the illustration.

This unit may be used for all the purposes for which the Type CP Power Clarostats can be used but have the features of protective casings and easy mountings so desirable for laboratory work.

The Type CL-1 Filament Range Laboratory Clarostat employs a Type CP-1 Filament Range Power Clarostat having a rating of 50 watts and a resistance range of 1/4 to 10 ohms.

The Type CL-3 Universal Range Laboratory Clarostat employs a Type CP-3 Universal Range Power Clarostat having a rating of 50 watts and a resistance range of 200 to 100,000 ohms.

The Type CSC-2 Low Range Speed Control Clarostat can be used to complete the series of Laboratory Type Clarostats. It provides a unit having a rating of 50 watts and a resistance range of 25 to 500 ohms.

TUBE REPLACEMENTS FOR A.C.-D.C. RECEIVERS

The following resistors now in use where the code and base wirings are not in accordance with the R.M.A. standard, (see page 75) can be replaced with the proper units given below without the necessity of

changing the original socket wiring of the radio receivers.

In all cases the series "MT" metal tube envelope is employed. Pilot light sections for 6.3 volt .150 mil lamps only.

TYPE	NO. OF PILOT LAMPS	TYPE OF BASE	TYPES OF TUBES USED
55A1	0	Octal	2 — 25 volt 2 — 6.3 volt
55A2	1	Octal	2 — 25 volt 2 — 6.3 volt
55B2	2	Octal	2 — 25 volt 2 — 6.3 volt
49A1	0	Octal	2 — 25 volt 3 — 6.3 volt
49A2	1	Octal	2 — 25 volt 3 — 6.3 volt
49B2	2	Octal	2 — 25 volt 3 — 6.3 volt
42A1	0	Octal	2 — 25 volt 4 — 6.3 volt
42A2	1	Octal	2 — 25 volt 4 — 6.3 volt

TYPE	NO. OF PILOT LAMPS	TYPE OF BASE	TYPES OF TUBES USED
42B2	2	Octal	2 — 25 volt 4 — 6.3 volt
50	0	UX	2 — 25 volt 2 — 6.3 volt
50B2, 185—R4, 50X3	1	UX	2 — 25 volt 2 — 6.3 volt
50A2, 185—R8	2	UX	2 — 25 volt 2 — 6.3 volt
40	0	UX	2 — 25 volt 3 — 6.3 volt
40B2	1	UX	2 — 25 volt 3 — 6.3 volt
40A2	2	UX	2 — 25 volt 3 — 6.3 volt

(LIST PRICE \$1.00 ALL UNITS.)

Precision controls for control precision

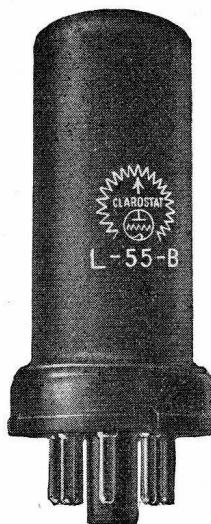


CHARACTERISTICS & TYPES OF SERIES "MT" LINE VOLTAGE DROPPING RESISTORS FOR AC-DC RECEIVERS

This series of resistors, identical in size, shape and appearance to both the metal tube rectifier 25Z6 and to the metal power output tube 25A6, mounts in an 8-prong octal socket. It efficiently, practically, and economically meets the Underwriter's requirements as to placement of "hot" terminals and leakage resistance to "ground."

Its availability in any total voltage drop and all pilot lamp combinations makes it the ideal type of resistor for devices having series connected heater tubes.

These units are coded and base wired in accordance with R.M.A. standard for such devices as exemplified in the following form.



K-55-B

Prefix letter denotes type of pilot lamp used.

K = 6.3 volt — .150 mil (No. 40 Mazda)—
Brown Bead.

L = 6.3 volt — .250 mil (No. 46 Mazda)—
Blue Bead.

Numerals denote—total voltage drop at .300 amps.
Last letter denotes—base wiring.

In order to limit the dealer's stock, only "K" type resistors for use with the 6.3 volt .150 mil pilot lamps are listed.

Such units are readily interchangeable with the "L" type by merely using the No. 40 lamp.

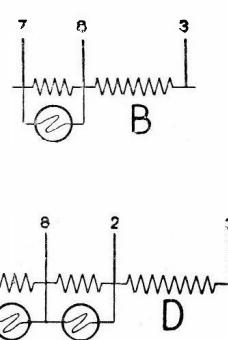
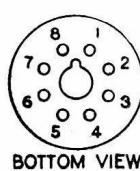
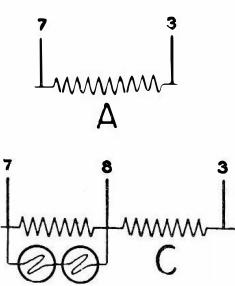
These resistors are available in 16 different total voltage drops in steps of 6.3 volts as listed below, and in any of the base wirings shown.

For all cases, line voltage of 117.5 volts is assumed as standard.

LIST PRICE \$1.00 ALL UNITS

TYPE	Total Voltage Drop AT .3 AMPS.	NO. OF PILOT LAMPS	BASE WIRING	TYPE	Total Voltage Drop AT .3 AMPS.	NO. OF PILOT LAMPS	BASE WIRING
K-105-A	105	0	A	K-55-A	55	0	A
K-105-B	105	1	B	K-55-B	55	1	B
K-105-C	105	2	C	K-55-C	55	2	C
K-105-D	105	2	D	K-55-D	55	2	D
K-98-A	98	0	A	K-49-A	49	0	A
K-98-B	98	1	B	K-49-B	49	1	B
K-98-C	98	2	C	K-49-C	49	2	C
K-98-D	98	2	D	K-49-D	49	2	D
K-92-A	92	0	A	K-42-A	42	0	A
K-92-B	92	1	B	K-42-B	42	1	B
K-92-C	92	2	C	K-42-C	42	2	C
K-92-D	92	2	D	K-42-D	42	2	D
K-86-A	86	0	A	K-36-A	36	0	A
K-86-B	86	1	B	K-36-B	36	1	B
K-86-C	86	2	C	K-36-C	36	2	C
K-86-D	86	2	D	K-36-D	36	2	D
K-80-A	80	0	A	K-30-A	30	0	A
K-80-B	80	1	B	K-30-B	30	1	B
K-80-C	80	2	C	K-30-C	30	2	C
K-80-D	80	2	D	K-30-D	30	2	D
K-74-A	74	0	A	K-23-A	23	0	A
K-74-B	74	1	B	K-23-B	23	1	B
K-74-C	74	2	C	K-23-C	23	2	C
K-74-D	74	2	D	K-23-D	23	2	D
K-67-A	67	0	A	K-17-A	17	0	A
K-67-B	67	1	B	K-17-B	17	1	B
K-67-C	67	2	C	K-17-C	17	2	C
K-67-D	67	2	D	K-17-D	17	2	D
K-61-A	61	0	A	K-11-A	11	0	A
K-61-B	61	1	B	K-11-B	11	1	B
K-61-C	61	2	C	K-11-C	11	2	C
K-61-D	61	2	D	K-11-D	11	2	D

BASE WIRING DIAGRAMS



Precision controls



for control precision

USEFUL ELECTRICAL DATA

Ohms Law

$$I = \frac{E}{R} \quad R = \frac{E}{I} \quad E = IR$$

Where I = Current in amperes.

R = Resistance in ohms.

E = Electromotive force in volts.

The current in all parts of a straight series circuit is the same. In parallel circuits, the current divides. The total resistance of a series circuit is the sum of the separate resistance in the circuit.

$$r_1 + r_2 + r_3 + r_n = R$$

In circuits where there are several resistances in parallel, the resistance becomes the reciprocal of the sum of the reciprocals.

$$\frac{1}{r_1} + \frac{1}{r_2} + \frac{1}{r_3} + \frac{1}{r_n} = \frac{1}{R}$$

In cases where there are but two resistances in parallel, it is sometimes convenient to take the product of the resistances divided by the sum of the resistances.

$$\frac{r_1 \times r_2}{r_1 + r_2} = R$$

The total resistance of parallel circuits is always lower than the lowest resistance in parallel.

The watt is the unit of electrical power. The power consumed in any direct current circuit is the product of the volts times the amperes.

$$E \times I = W \quad R = \frac{E^2}{W} \quad I^2 R = W$$

RAPID RESISTOR CALCULATOR

For rapid graphical resistor calculation when extreme accuracy is not essential the chart on the following page is useful. It will give the complete characteristics of a resistor when any two of the following values are known.

1. Power Rating of Resistor. (In Watts).
2. Resistance of Resistor. (In Ohms).
3. Current through Resistor. (In MA).
4. Voltage drop across Resistor. (In Volts).

USE OF THE CHART

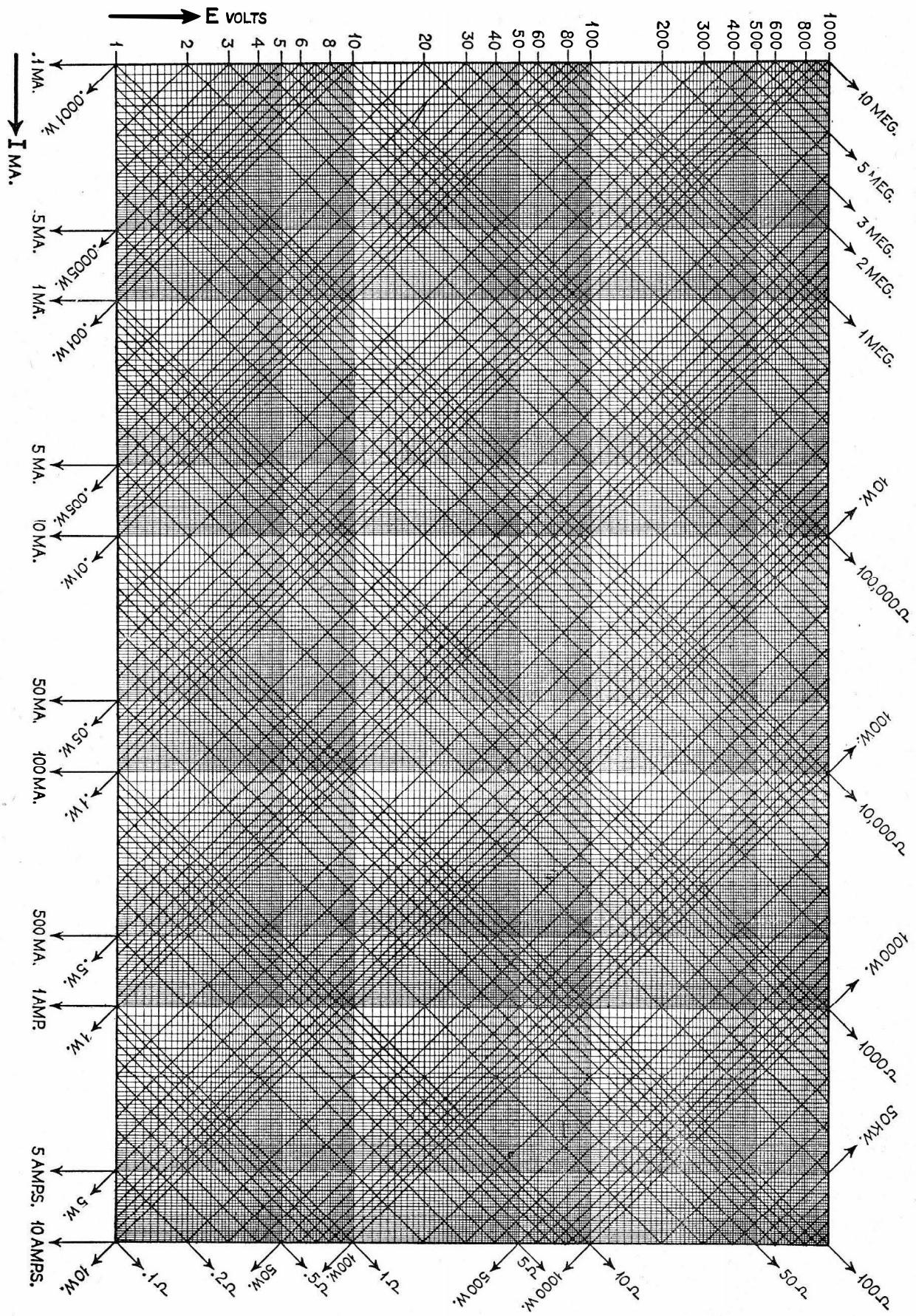
A few examples will best illustrate the use of the chart. Suppose the e.m.f. in a circuit is 100 volts and the current is 100 ma.; what is the resistance and the power? Beginning with the 100 ma. mark on the horizontal axis, follow the vertical line to the intersection with the horizontal 100 volt line. This is also an intersection of the slanting lines. Following the one going upwards to the left read 10 watts; following the other, towards the right, read 1000 ohms.

A 5000 ohm resistor has a rating of 20 watts; what is the maximum current and corresponding voltage? Following the 5000 ohm line until the 20 watt line is reached. Follow the vertical lines down, and interpolating by estimation read 63 ma. Then follow the horizontal lines towards the left and read 316 volts.

RESISTOR CODE-RMA STANDARD

Body	Fig.	End	Fig.	Dot	No. of Zeros
Black	0	Black	0	Black	0
Brown	1	Brown	1	Brown	1
Red	2	Red	2	Red	2
Orange	3	Orange	3	Orange	3
Yellow	4	Yellow	4	Yellow	4
Green	5	Green	5	Green	5
Blue	6	Blue	6	Blue	6
Violet	7	Violet	7	Violet	7
Gray	8	Gray	8	Gray	8
White	9	White	9	White	9

Precision controls for control precision



Courtesy Aerovox Research Worker

MEMORANDA

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