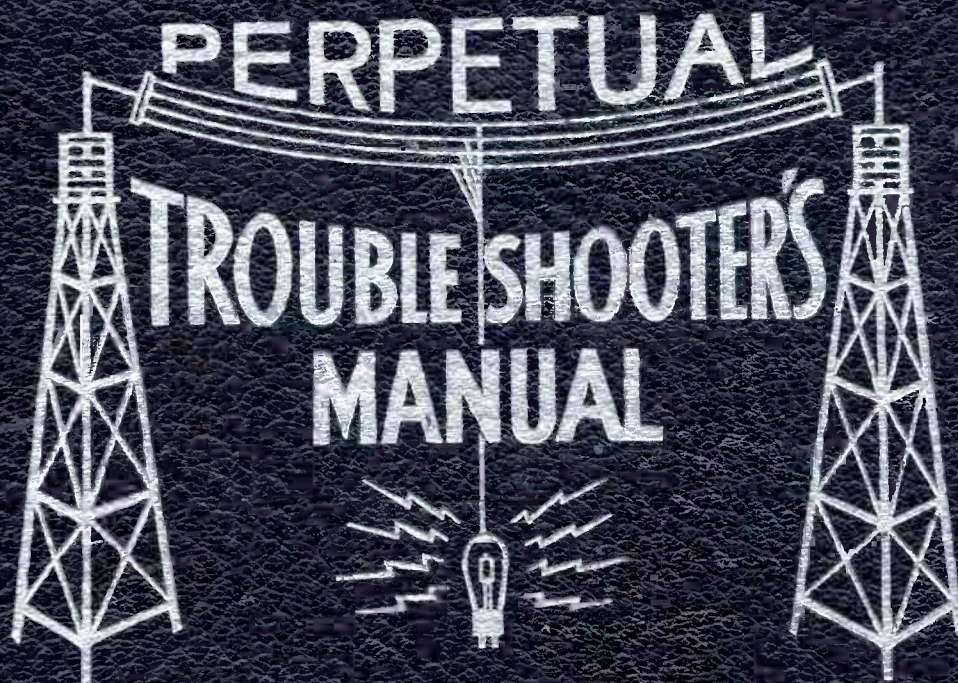


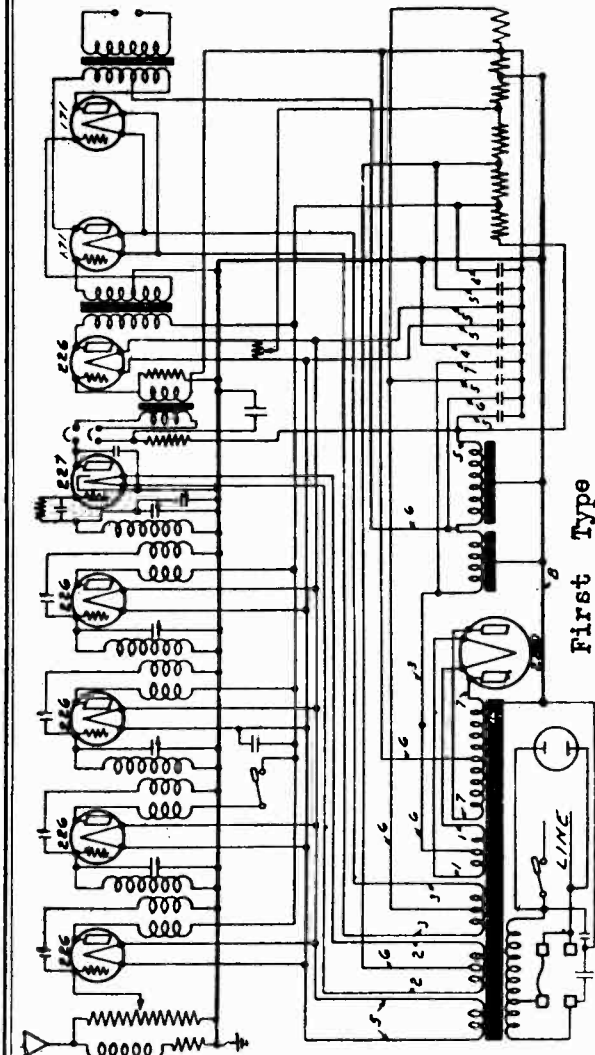
VOLUME I



JOHN F. RIDER

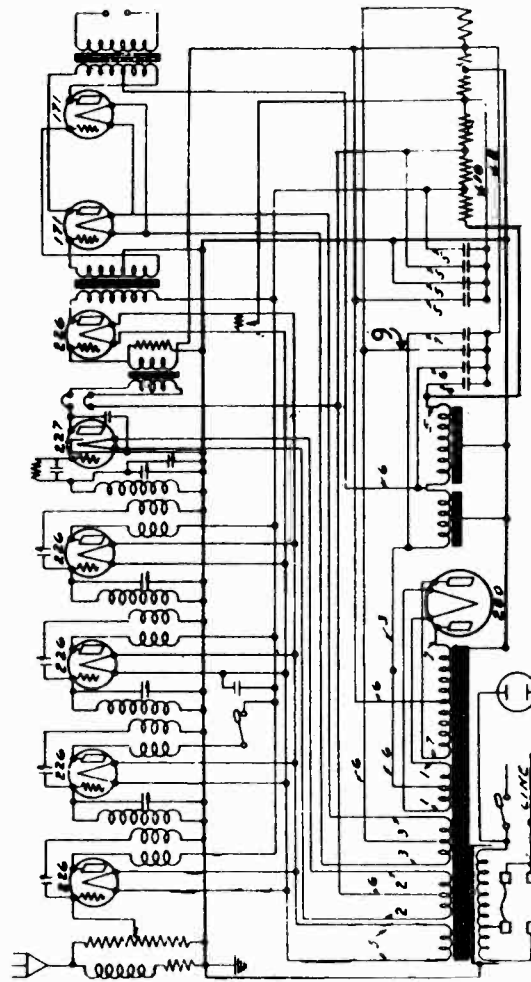
McMILLAN RADIO CO.

MODEL #8
Two Types



McMILLAN 8-A. C. POWER SET

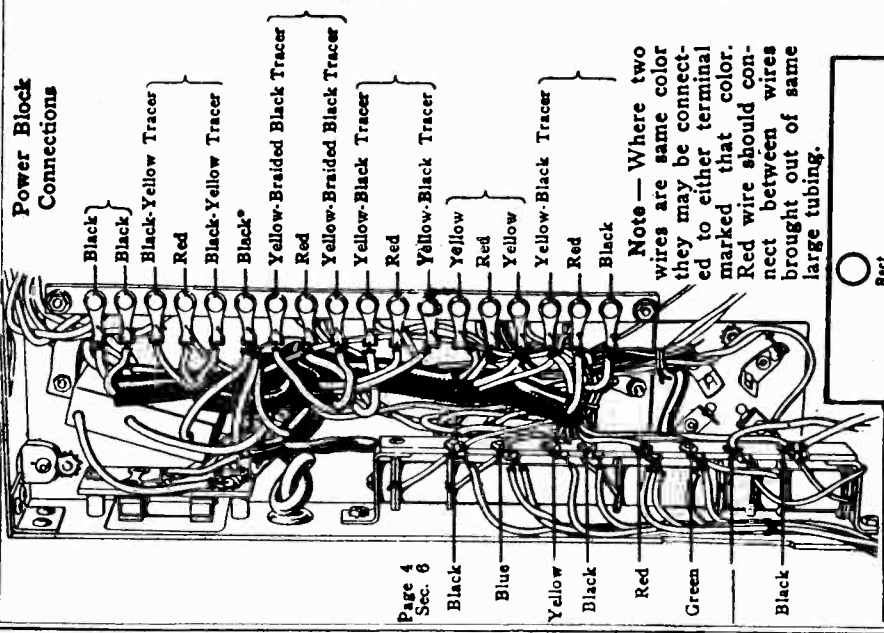
Use this circuit diagram for all receivers equipped with a sealed power transformer block, or condenser block not having any brown or slate colored leads.



McMILLAN 8-A. C. POWER SET Second Type

Note—Use this circuit diagram for receiver equipped with power blocks having removable covers or condenser blocks having one brown and one slate colored lead

- 1-YELLOW WITH BLACK TRACER
- 2-BLACK WITH YELLOW TRACER
- 3-BLACK & YELLOW
- 4-BLUE
- 5-BLACK
- 6-RED
- 7-YELLOW
- 8-GREEN
- 9-SLATE
- 10-BROWN



Power Block Connections

- Black
- Black
- Black-Yellow Tracer
- Red
- Black-Yellow Tracer
- Black
- Yellow-Braided Black Tracer
- Red
- Yellow-Braided Black Tracer
- Yellow-Black Tracer
- Red
- Yellow-Black Tracer
- Yellow
- Red
- Yellow
- Yellow-Black Tracer
- Red
- Black

Note—Where two wires are same color they may be connected to either terminal marked that color. Red wire should connect between wires brought out of same large tubing.

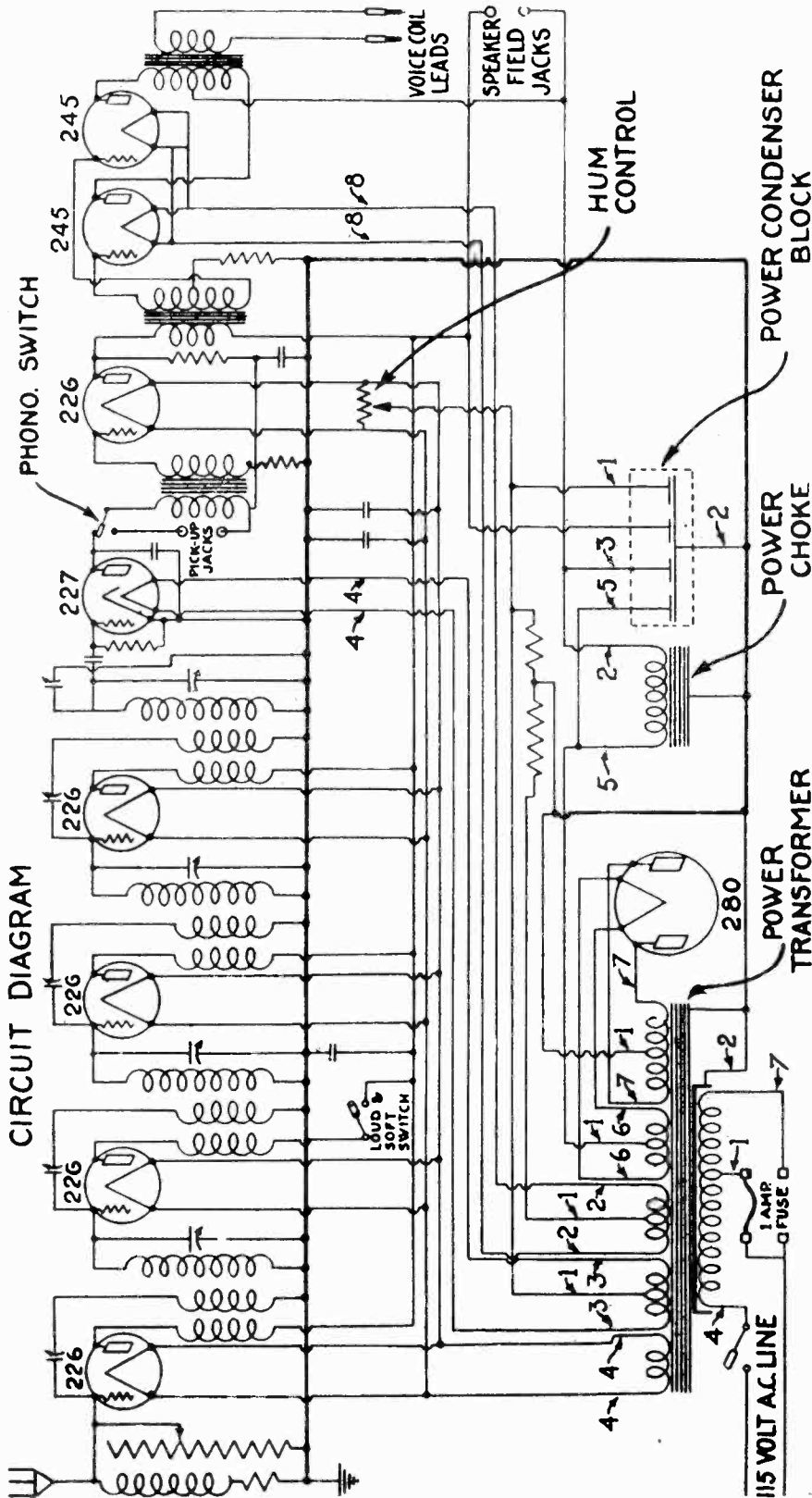
TYPE OF TUBE	POSITION	LINE VOLTAGE	TYPE OF SET	REMARKS
CX-326	1st R.F.	116	2nd A.F.	Push Pull
CX-326	2nd R.F.	116	2nd A.F.	Push Pull
CX-326	3rd R.F.	116	2nd A.F.	Push Pull
CX-326	4th R.F.	116	2nd A.F.	Push Pull
CX-326	1st A.F.	116	2nd A.F.	Push Pull
CX-326	2nd A.F.	116	2nd A.F.	Push Pull
C-327	Det.	116	2nd A.F.	Push Pull
CX-326	Rect.	116	2nd A.F.	Push Pull
CX-371A	1st R.F.	116	2nd A.F.	Push Pull
CX-371A	2nd R.F.	116	2nd A.F.	Push Pull
CX-371A	3rd R.F.	116	2nd A.F.	Push Pull
CX-371A	4th R.F.	116	2nd A.F.	Push Pull
CX-371A	1st A.F.	116	2nd A.F.	Push Pull
CX-371A	2nd A.F.	116	2nd A.F.	Push Pull
CX-371A	Rect.	116	2nd A.F.	Push Pull

Line Voltage 116—2nd A. F. Stage—2 Tubes Push Pull

TYPE OF TUBE	POSITION	LINE VOLTAGE	TYPE OF SET	REMARKS
CX-326	1st R.F.	116	2nd A.F.	Push Pull
CX-326	2nd R.F.	116	2nd A.F.	Push Pull
CX-326	3rd R.F.	116	2nd A.F.	Push Pull
CX-326	4th R.F.	116	2nd A.F.	Push Pull
CX-326	1st A.F.	116	2nd A.F.	Push Pull
CX-326	2nd A.F.	116	2nd A.F.	Push Pull
CX-326	Rect.	116	2nd A.F.	Push Pull
CX-371A	1st R.F.	116	2nd A.F.	Push Pull
CX-371A	2nd R.F.	116	2nd A.F.	Push Pull
CX-371A	3rd R.F.	116	2nd A.F.	Push Pull
CX-371A	4th R.F.	116	2nd A.F.	Push Pull
CX-371A	1st A.F.	116	2nd A.F.	Push Pull
CX-371A	2nd A.F.	116	2nd A.F.	Push Pull
CX-371A	Rect.	116	2nd A.F.	Push Pull

MODEL Series 900

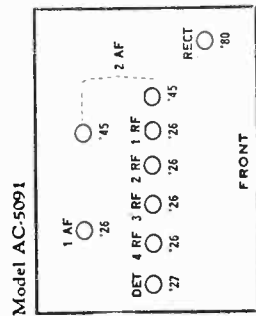
McMILLAN RADIO CO.



- 1—RED
- 2—GREEN
- 3—BLUE
- 4—BLACK
- 5—YELLOW
- 6—BROWN
- 7—WHITE

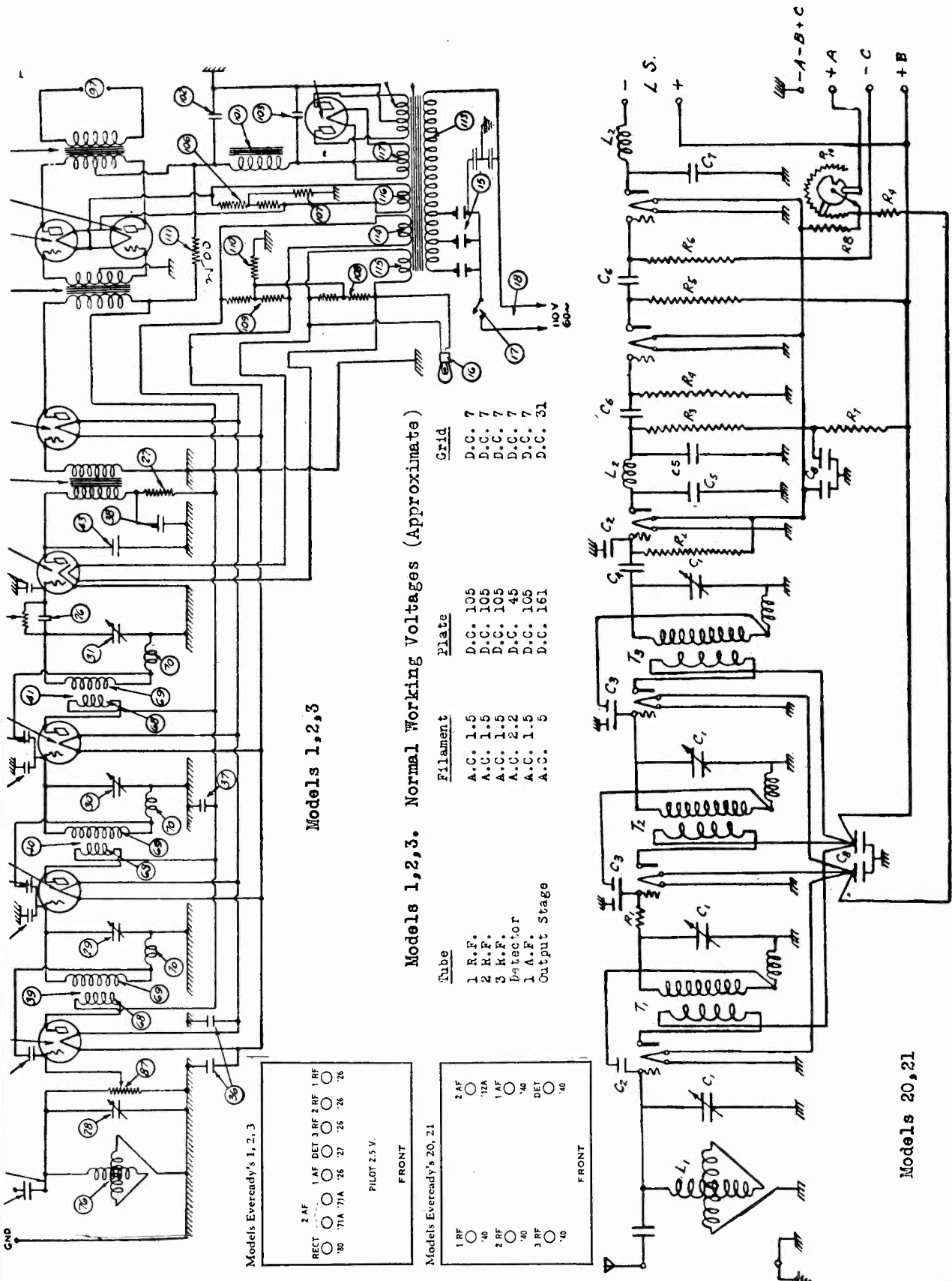
Line Voltage 120—Set on 120 Volt Tap—Volume Control Position Max
 Note: "C" Bias Voltage Reading on Audio tubes is low due to the current draw of the set and high resistances in the set.

TUBE NO. IN CHASSIS	POSITION OF TUBE	TYPE OF TUBE	TUBT OUT			TUBE IN TESTER			SCREEN GRID
			A VOLTS	B VOLTS	C VOLTS	CATHODE HEATER VOLTS	PLATE VOLTS	PLATE MA	
226	1st RF	226	1.5	1.4	1.32	10	5	9	-
226	2nd RF	226	1.5	1.4	1.32	10	5	9	-
226	3rd RF	226	1.5	1.4	1.32	10	5	9	-
226	4th RF	226	1.5	1.4	1.32	10	5	9	-
227	2nd AF	227	2.5	112	50	0	10	2	0
245	1st AF	245	1.5	127	1.4	117	6.5	4.5	3
245	2nd AF	245	2.5	250	2.4	245	11.5	25	29
280	Rect.	280	5.8	4.9	-	-	25	29	4.5
280	Rect.	280	5.8	4.9	-	-	25	29	4.5



NATIONAL CARBON CO.

MODEL 1,2,3
MODEL 20,21

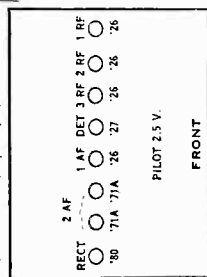


Models 1,2,3

Models 1,2,3. Normal Working Voltages (Approximate)

Tube	Filament	Plate	Grid
1 R.F.	A.C. 1.5	D.C. 105	D.C. 7
2 R.F.	A.C. 1.5	D.C. 105	D.C. 7
3 K.F.	A.C. 1.5	D.C. 105	D.C. 7
Detector	A.C. 2.2	D.C. 45	D.C. 7
1 A.F.	A.C. 1.5	D.C. 105	D.C. 7
Output Stage	A.C. 5	D.C. 161	D.C. 31

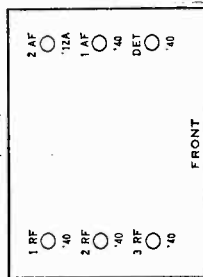
Models Eveready's 1, 2, 3



PILOT 2.5 V.

FRONT

Models Eveready's 20, 21

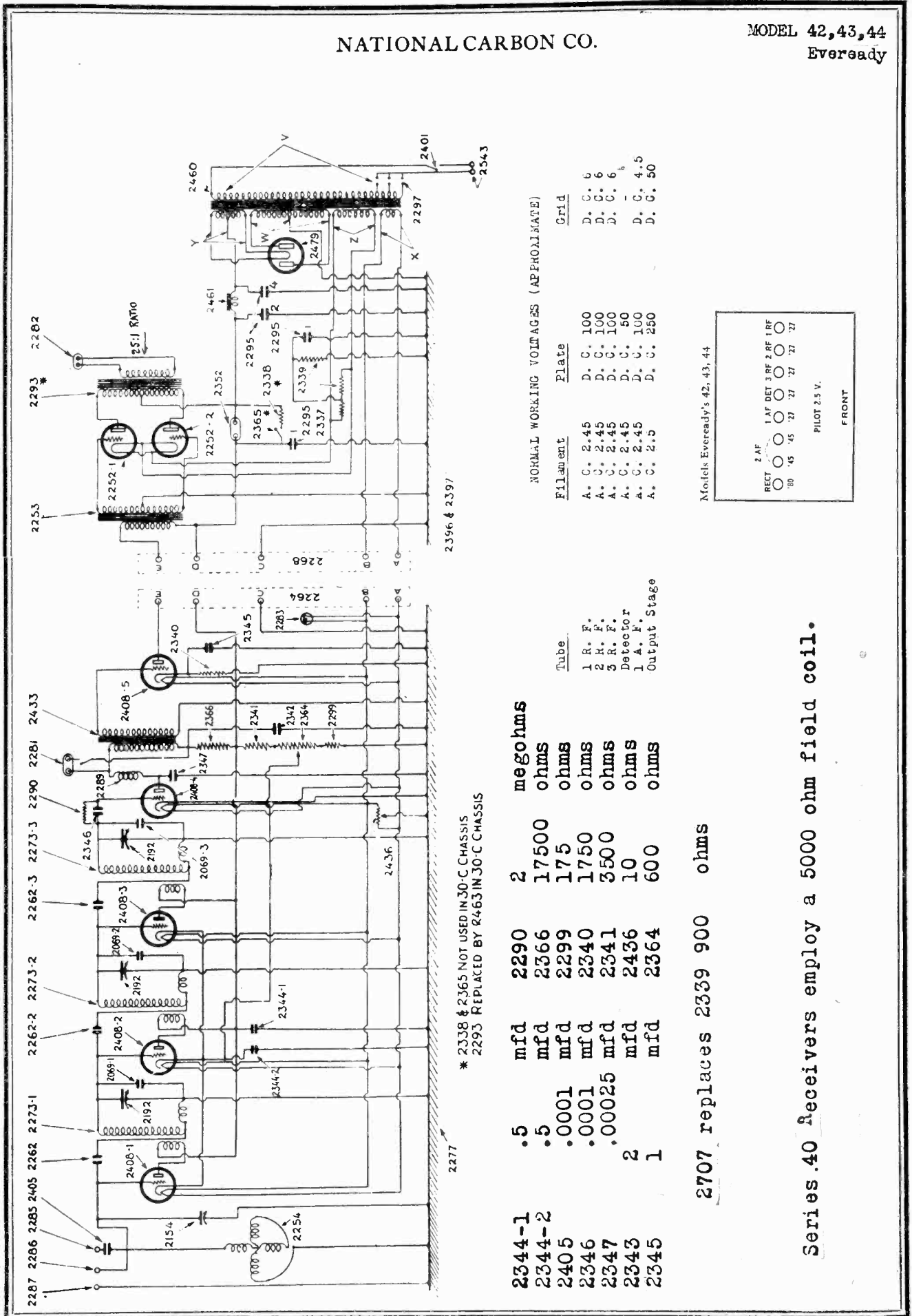


FRONT

Models 20,21

NATIONAL CARBON CO.

MODEL 42,43,44
Eveready



* 2338 & 2365 NOT USED IN 30-C CHASSIS
2293 REPLACED BY 2463 IN 30-C CHASSIS

2344-1	.5	mfd	2290	2	megohms
2344-2	.5	mfd	2366	17500	ohms
2405	.0001	mfd	2299	175	ohms
2346	.0001	mfd	2340	1750	ohms
2347	.00025	mfd	2341	3500	ohms
2343	2	mfd	2436	10	ohms
2345	1	mfd	2364	600	ohms

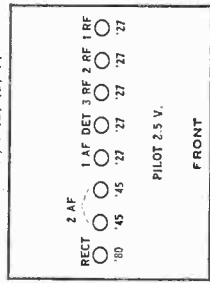
2707 replaces 2339 900 ohms

Series 40 Receivers employ a 5000 ohm field coil.

NORMAL WORKING VOLTAGES (APPROXIMATE)

Filament	Plate	Grid
A. C. 2.45	D. C. 100	D. C. 6
A. C. 2.45	D. C. 100	D. C. 6
A. C. 2.45	D. C. 100	D. C. 6
A. C. 2.45	D. C. 50	-
A. C. 2.45	D. C. 100	D. C. 4.5
A. C. 2.5	D. C. 250	D. C. 50

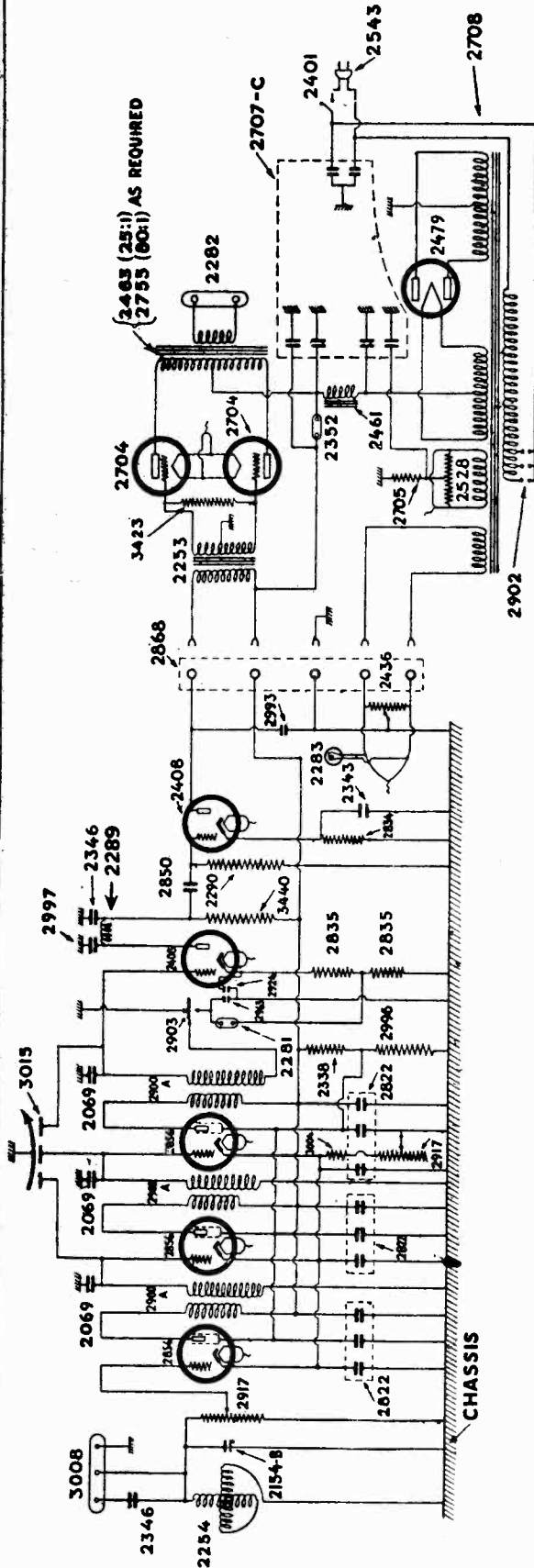
Models Eveready's 42, 43, 44



FRONT

MODEL 52, 53, 54
Eveready

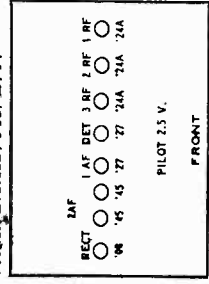
NATIONAL CARBON CO.



2290	2.	megohms	* 3 in one can	
2835	4000	ohms		
3440	125000	ohms		
3004	200	ohms		.0001 mfd*
2834	3000	ohms		.5 mfd*
2338	2500	ohms		1 mfd
2996	2250	ohms		.01 mfd
2917*				2. mfd
2528	50	ohms		.002 mfd
2705	900	ohms		.004 mfd
3423	100000	ohms		.0005 mfd

* Two sections
R-f section is 500,000 ohms
Screen voltage section is
10,000 ohms

Model 52, 53, 54



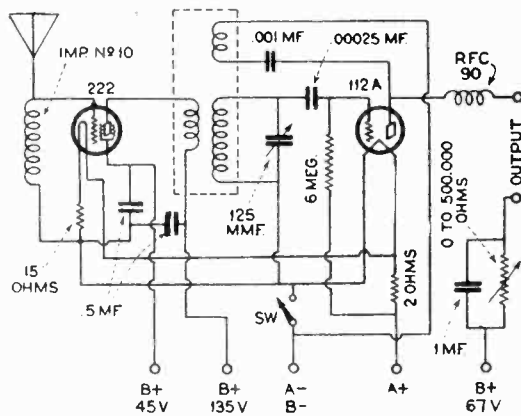
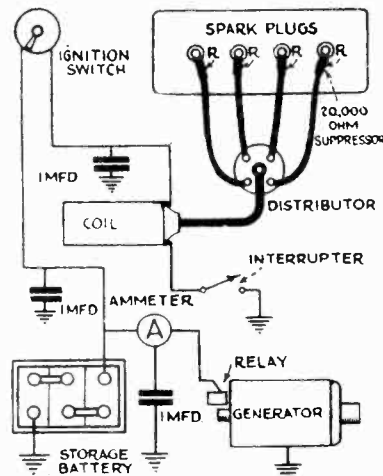
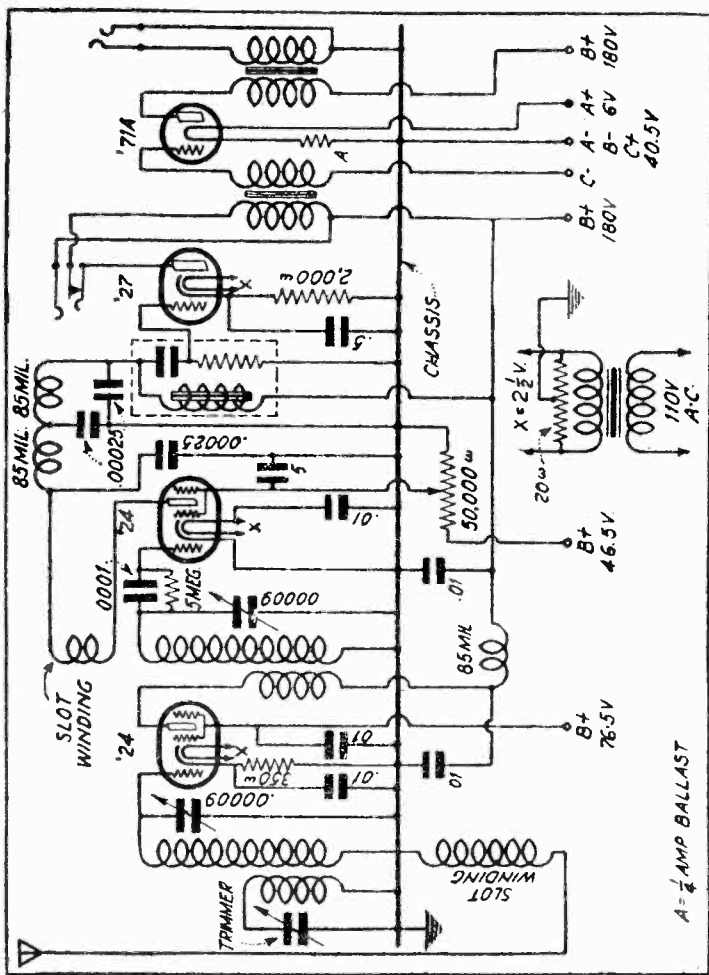
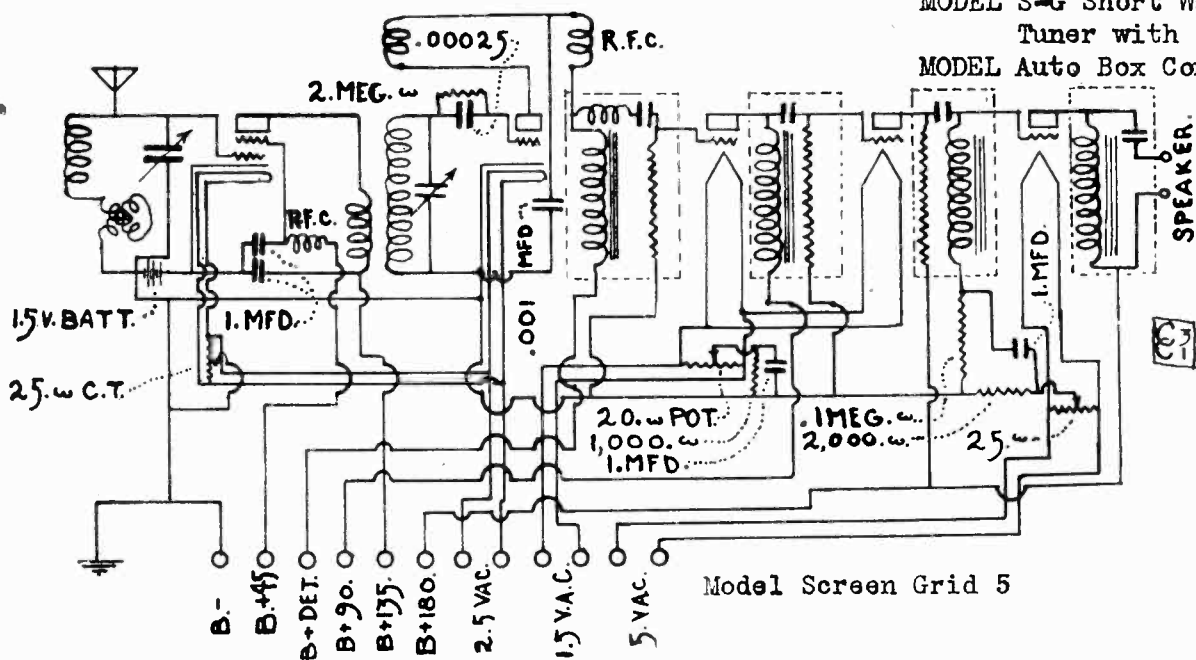
NORMAL WORKING VOLTAGES (APPROXIMATE)

Tube	Filament	Plate	Grid	Screen
1 R.F.	A.C. 2.5	D.C. 160	D.C. 2.2	D.C. 70
2 R.F.	A.C. 2.3	D.C. 160	D.C. 2.2	D.C. 70
3 R.F.	A.C. 2.3	D.C. 160	D.C. 2.2	D.C. 70
Detector	A.C. 2.3	D.C. 65	D.C. 5.8	
1 A.F.	A.C. 2.3	D.C. 150	D.C. 11.7	
Output Stage	A.C. 2.4	D.C. 240	D.C. 46	
Rectifier	A.C. 4.8			

(Line Voltage 117. Set on 115 Volt Tap. Volume Control Position on Full.)

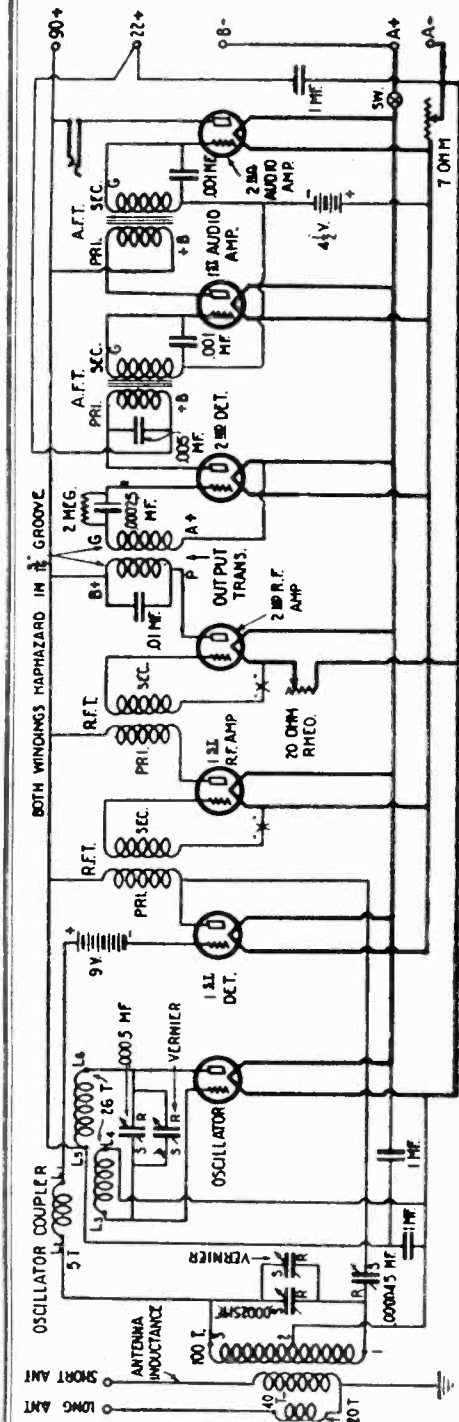
THE NATIONAL COMPANY

MODEL S-G 5
 MODEL S-G
 Short Wave Tuner
 MODEL S-G Short Wave
 Tuner with '71
 MODEL Auto Box Conn.

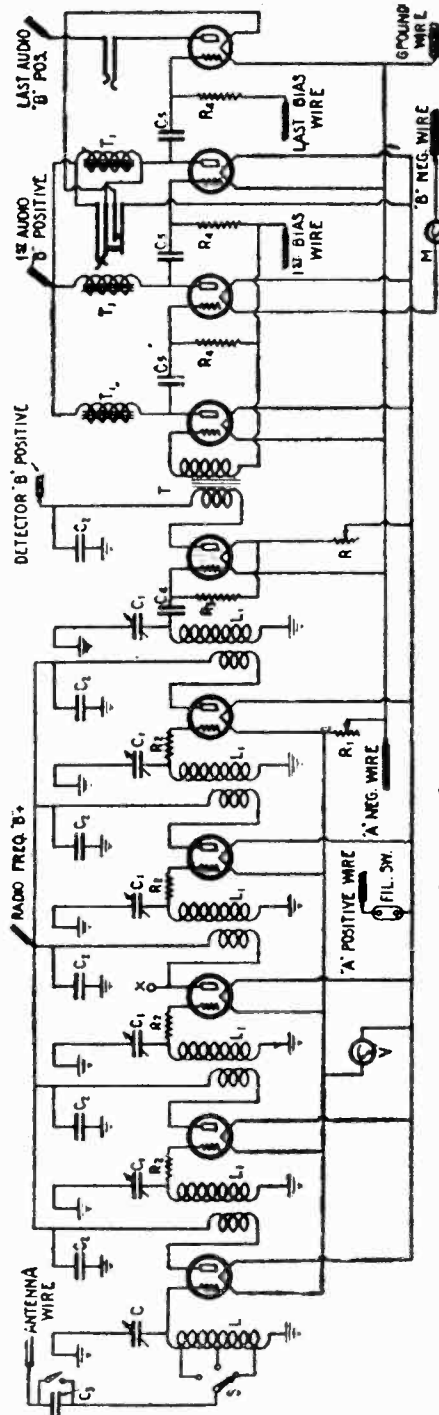


NORDEN-HAUCK, INC.

MODEL C-7
MODEL Super 10



Model C-7 Nordden Hauck super-heterodyne receiver.



Super 10.

R is 20 ohms. R1 is 7 ohms. R2 is 750 ohms. R3 is 2 megohms.
R4 is 30000 ohms. C3 is .00025 mfd. C4 is .00025 mfd. C2 is
.5 mfd. C5 is .1 mfd.

