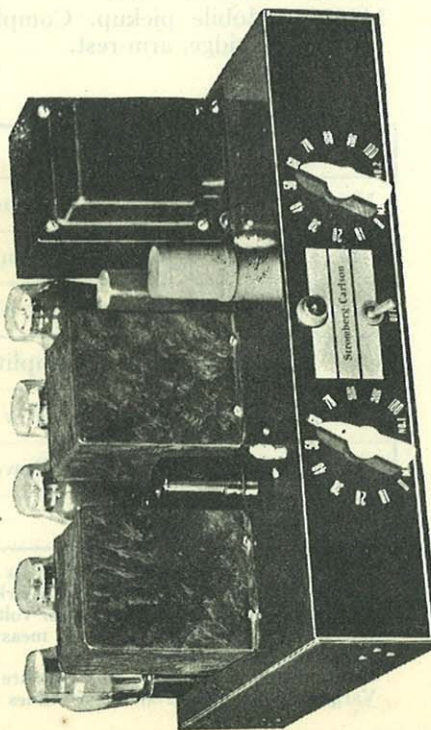




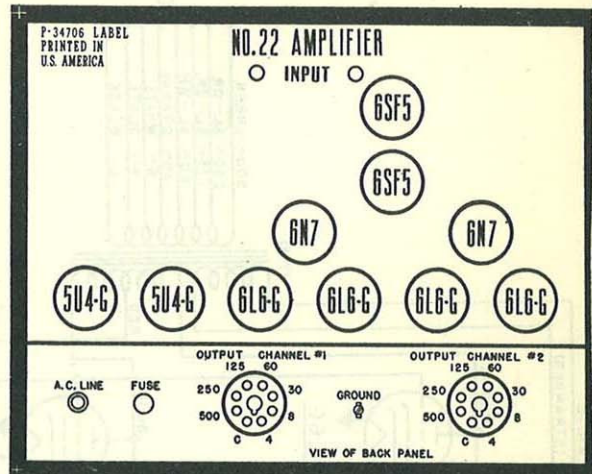
STROMBERG-CARLSON CO.

MODEL AP-22

VOLTAGE CHART

Tube			Terminal							
No.	Type	Purpose	1	2	3	4	5	6	7	8
2	6SF5	Voltage Amplifier	0	1	0	..	95.	..	*6.3	*6.3
2	6N7	Phase-Inverter Driver	0	*6.3	85	0	0	.85	*6.3	1.8
4	6L6G	Push-Pull Output	0	*6.3	415	300	0	..	*6.3	21
2	5U4G	Rectifiers	..	420	..	†370	..	†370	..	420

TUBE LOCATION CHART



No signal input. Power supply 117 volt, 60 cycle.

D.C. voltages measured to chassis using vacuum-tube voltmeter.

†A.C. voltages measured to chassis. Rectifier filament voltage 5.0 measured between terminals 2 and 8.

*A.C. heater voltages measured between terminals indicated.

Variations of $\pm 10\%$ from above values may be obtained due to variations in tubes, resistors, etc.

SPECIFICATIONS

Overall Size: width, $16\frac{1}{2}$ "; depth, 14"; height $8\frac{1}{2}$ ".

Weight: Net 37 lbs. packed for shipment, 45 lbs.

Tubes Required: 2-6SF5, 4-6L6G, 2-6N7, 2-5U4G.

Power Supply: 105-125 Volts, 50-60 Cycles.

Power Consumed: 250 watts at 125 volts, 50-60 cycles.

Inputs: One high impedance input with double input jack arrangement.

Controls: Two master volume controls.

Power Gain: 82 db., based on 50,000 ohms input source impedance.

Power Output: 45 watts (22.5 watts on each channel) with less than 5% total harmonic content, measured at 400 c.p.s. with a supply voltage of 117 volts.

Output Impedance: Two separate output transformers each tapped at 4, 8, 30, 60, 125, 250, and 500 ohms.

Frequency Response: 50 to 10,000 c.p.s. with less than 3 db. variation.

Noise Level: 45 db. below rated output.

Output Voltage Regulation: Approximately 3 db. variation from full load to no load.

Finish: Glacier Gray.

PARTS

Symbol	Description	S.C. Code No.	Symbol	Description	S.C. Code No.
R-4, R-16	Resistor, 1 meg., $\frac{1}{2}$ W.	28191	C-3, C-5	Capacitor, .05 mf.	24994
R-26, R-28			C-6, C-10		
R-5, R-17	Resistor, 1,500 ohms, $\frac{1}{2}$ W.	28160	C-12, C-13		
R-8, R-20	Resistor, 8,200 ohms, $\frac{1}{2}$ W.	28169	C-7A, C-7B	Capacitor (Electrolytic) { "A" 50 DCWV. "B" 250 DCWV. "C" 300 DCWV. "D" 350 DCWV.	34698
R-25, R-27	Resistor, 33,000 ohms, $\frac{1}{2}$ W.	28175	C-7C, C-7D		
R-2, R-14	Resistor, 2,000 ohms, $\frac{1}{2}$ W.	34709	C-14A, C-14B		
R-11, R-23	Resistor, .27 meg., $\frac{1}{2}$ W.	28184	C-14C, C-14D		
R-29	Resistor, 25,000 ohms, 10 W.	34700	C-15	Capacitor (Electrolytic) 525 DCWV.	34697
R-3, R-6	Resistor, .22 meg., $\frac{1}{2}$ W.	28183	T-1, T-2	Transformer (Output)	32653
R-7, R-9			S-1	Switch (A.C.) 6 amp. 125 V.	34694
R-12, R-15			I-1	Pilot Lamp, 6.3 V., .25 amp. (Bayonet)	29956
R-18, R-19			R-1, R-13	Potentiometer, 1 meg. (Volume)	34690
R-21, R-24			F-1	Fuse (3 amp.)	25156
R-30, R-31	Resistor, 10,000 ohms, 2 W.	26062		Knob	32667
R-32, R-33	Resistor, 10,000 ohms, 10 W.	33032		Bottom Cover	34699
R-10, R-22	Resistor, 250 ohms, 10 W.	32928	T-3	Transformer (Power)	34693
C-2, C-9	Capacitor, 0.15 mf.	28594	J-1, J-3	Jack, Input	32260
C-1, C-8	Capacitor, .01 mf.	31481	J-2, J-4	Socket (Output)	32417
C-16	Capacitor, .25 mf.	29973			
C-4, C-11	Capacitor, 500 mmf.	29371			