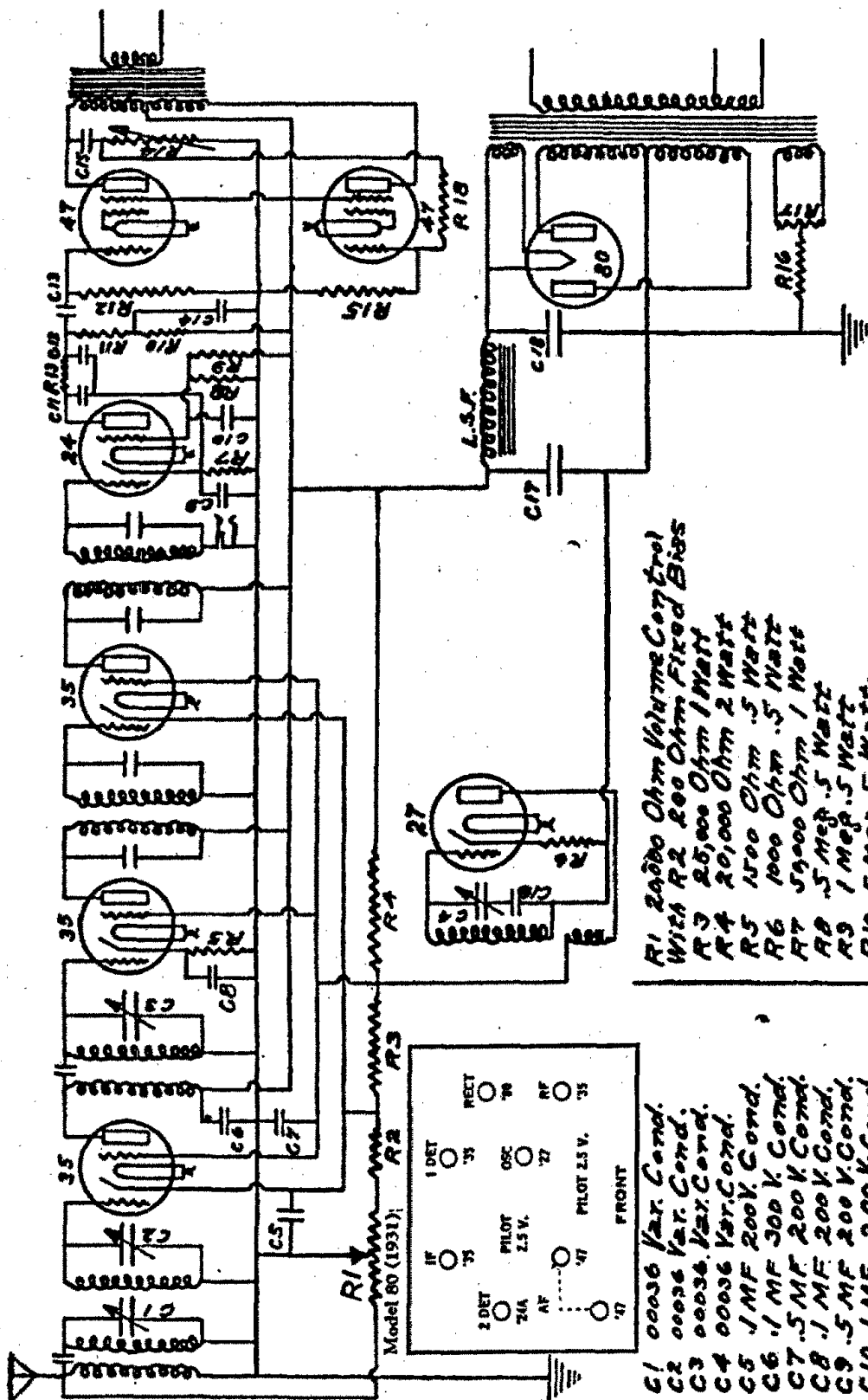


The volume control acts as a dual control by varying the bias on the RF and IF tubes and by varying the antenna input to the antenna stage.



PEAK FREQUENCY 175 KC

R1 2000 Ohm Volume Control
With R2 200 Ohm Fixed Bias

R2 25,000 Ohm 1 Watt

R3 20,000 Ohm 2 Watt

R4 1500 Ohm .5 Watt

R5 1000 Ohm .5 Watt

R6 5000 Ohm 1 Watt

R7 .5 Meg. .5 Watt

R8 1 Meg. .5 Watt

R9 .5 Meg. .5 Watt

R10 .5 Meg. .5 Watt

R11 .5 Meg. .5 Watt

R12 .5 Meg. .5 Watt

R13 150,000 Ohm .5 Watt

R14 20,000 Ohm Tone Control

R15 10,000 Ohm .5 Watt

R16 250 Ohm 2 Watt

R17 20 Ohm Center Tapped Res

R18 .25 Meg. 1 Watt

A1) Resistors + - 10%
Unless Otherwise Specified.

C1 00036 Var. Cond.

C2 00036 Var. Cond.

C3 00036 Var. Cond.

C4 00036 Var. Cond.

C5 1 MF 200 V. Cond.

C6 1 MF 300 V. Cond.

C7 .5 MF 200 V. Cond.

C8 .5 MF 200 V. Cond.

C9 .5 MF 200 V. Cond.

C10 1 MF 200 V. Cond.

C11 00025 Cond.

C12 0001 Cond.

C13 .006 MF 400 V. Cond.

C14 1 MF 200 V. Cond.

C15 .05 MF 400 V. Cond.

C16 .001 Cond. + - 3%

C17 4 MF 450 V. Cond.

C18 8 MF 450 V. Cond.

A1) Cond. + - 10%
Unless Otherwise Specified.

Resistor Panel 4-1/2 Meg. 1/2 Watt

1-10,000 Ohm 1/2 Watt, 1-250,000 Ohm 1 Watt

1-1 Meg. 1/2 Watt, 1-20,000 Ohm 2 Watt

1-25,000 Ohm 1 Watt, 1-250 Ohm 2 Watt

1-50,000 Ohm 1 Watt

The filter circuit consists of an 8 MF and a 4 MF electrolytic condenser and the 1200 ohm speaker field. The field is in the positive lead and the output tubes are self-biased by a resistor between the filament circuit and ground. A bucking coil is used in the speaker to keep the field ripple out of the voice coil.

ECHOPHONE

Model 80 Superheterodyne