



## 6 TUBE AC DC RECEIVER

### Tube Data

complement is as follows:

- 1-1-6A7 pentagrid oscillator-modulator.  
1-1-6D6 first i-f amplifier.  
1-1-6Q7 diode detector, a-f amplifier, a.v.c.  
1-1-25L6 beam power output.  
1-1-25Z5 dual half-wave rectifier.  
1-2UR-224 ballast tube (R13 on schematic).

## VOLTAGE ANALYSIS

Readings should be taken with a 1000 ohms-per-volt meter. Voltages listed below are from point indicated to ground (chassis) with the volume control turned on full and no signal. All readings except cathode and heater voltages were taken on 250 volt scale. Line voltage for these readings was 117.5 volts, 60 cycles, a.c.

Tube	Plate	Screen	Cathode	Osc. Plate
6A7	96	45	2.3	74
6D6	96	98	4.5	—
6Q7	40	—	1.0	—
25L6	92	100	6.2	—

Voltage at 25Z5 cathode—125 volts.  
Voltage across speaker field—29 volts.  
Voltage drop across ballast tube (pins Nos. 3, 7)—49 volts.  
Voltage drop across pilot light section (pins Nos. 8, 7)—4 volts: