

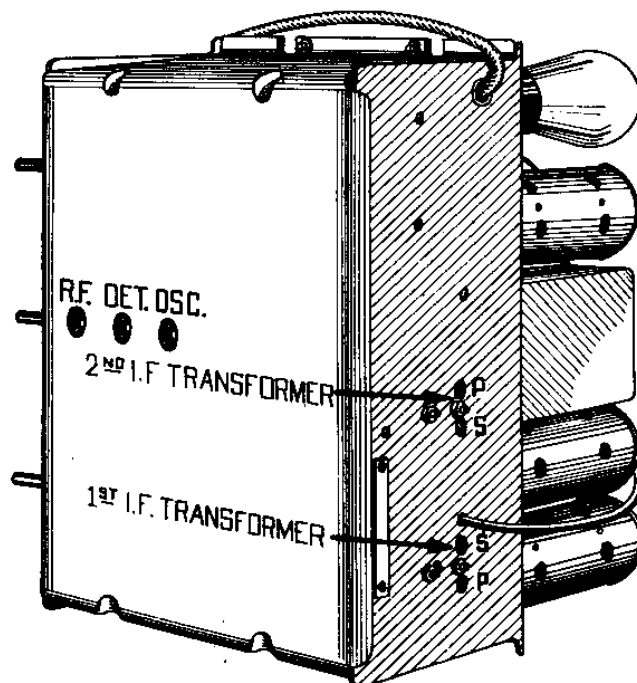
ULTRA RADIO CO.

Meter Readings at Radiotron Sockets

110 VOLT A. C. LINE -- ANT. AND GROUND LEADS SHORTED

VOLUME CONTROL AT MINIMUM						
Radiotron No.	Cathode to Heater, Volts D.C.	Cathode or Filament to Control Grid, Volts D.C.	Cathode or Filament to Screen Grid, Volts, D.C.	Cathode or Filament to Plate, Volts, D.C.	Plate Current, M.A.	Heater or Filaments, Volts, D.C.
1—R. F.	**2.0	*1.2	110	300	0.	2.3
2—1st Det.	0	*1.3	110	290	0	2.4
3—Osc.	—	—	—	70	7.0	2.4
4—I. F.	**2.0	*2.3	110	300	0.3	2.3
5—A. V. C.	—	0.2	—	10	0	2.3
6—2nd Det.	—	5.0	—	275	0.5	2.4
7—Pwr.	—	0.5	280	270	38.0	2.3
VOLUME CONTROL AT MAXIMUM						
1—R.F.	** 4.0	*0.2	100	275	5.5	2.3
2—1st Det.	**10.0	*0.6	95	265	2.2	2.4
3—Osc.	—	—	—	60	6.0	2.4
4—I. F.	** 4.0	*2.2	110	270	3.5	2.3
5—A. V. C.	—	0.5	—	15	0	2.3
6—2nd Det.	—	5.0	—	265	0.5	2.4
7—Pwr.	—	***0.5	270	260	30.0	2.3

*On 5 Volt. 1000 Ohm per Volt Meter.
 **On 50 Volt, 1000 Ohm per Volt Meter.
 ***On later sets only. See note under Fig. 2.



I. F.
175 KC.

VIEW OF CHASSIS SHOWING R. F. AND I. F. LINE-UP ADJUSTMENT POINTS

ADJUSTMENT OF R.F LINE-UP AND OSCILLATOR TRIMMING CONDENSERS

Four adjustable condensers are provided for aligning the R.F. circuits, and adjusting the oscillator frequency so that it will be at a 175 K.C. difference from the incoming R.F. signal throughout the tuning range of the set. Poor quality, insensitivity and possible inoperation of the receiver may be caused by these condensers being out of adjustment.