MEASUREMENT SPECIFICATION:

I.F. sensitivity—V1 Grid 30 microvolts.
I.F. sensitivity—V2 Grid 5 millivolts.
Broadcast sensitivity—5 microvolts average.
Short Wave sensitivity—20 microvolts average.
These sensitivity figures are related to an audio frequency output of 17 volts measured between the plate of V4 and pin 7 of V5. When measuring I.F. sensitivity, do not disconnect any wiring and place a .1 MFD condenser between the "HOT" signal generator lead and the grid of V1 or V2.

ALIGNMENT FREQUENCIES:

Broadcast—600 Kc s and 1400 Kc s.
Short Wave—5 Mc s and 15 Mc s.
Bandspread—10 Mc s.

CHECK POINTS:

Broadcast—1000 Kc s.
Short Wave—9 Mc s.
Bandspread—10 Mc s.

ALIGNMENT INSTRUCTIONS:

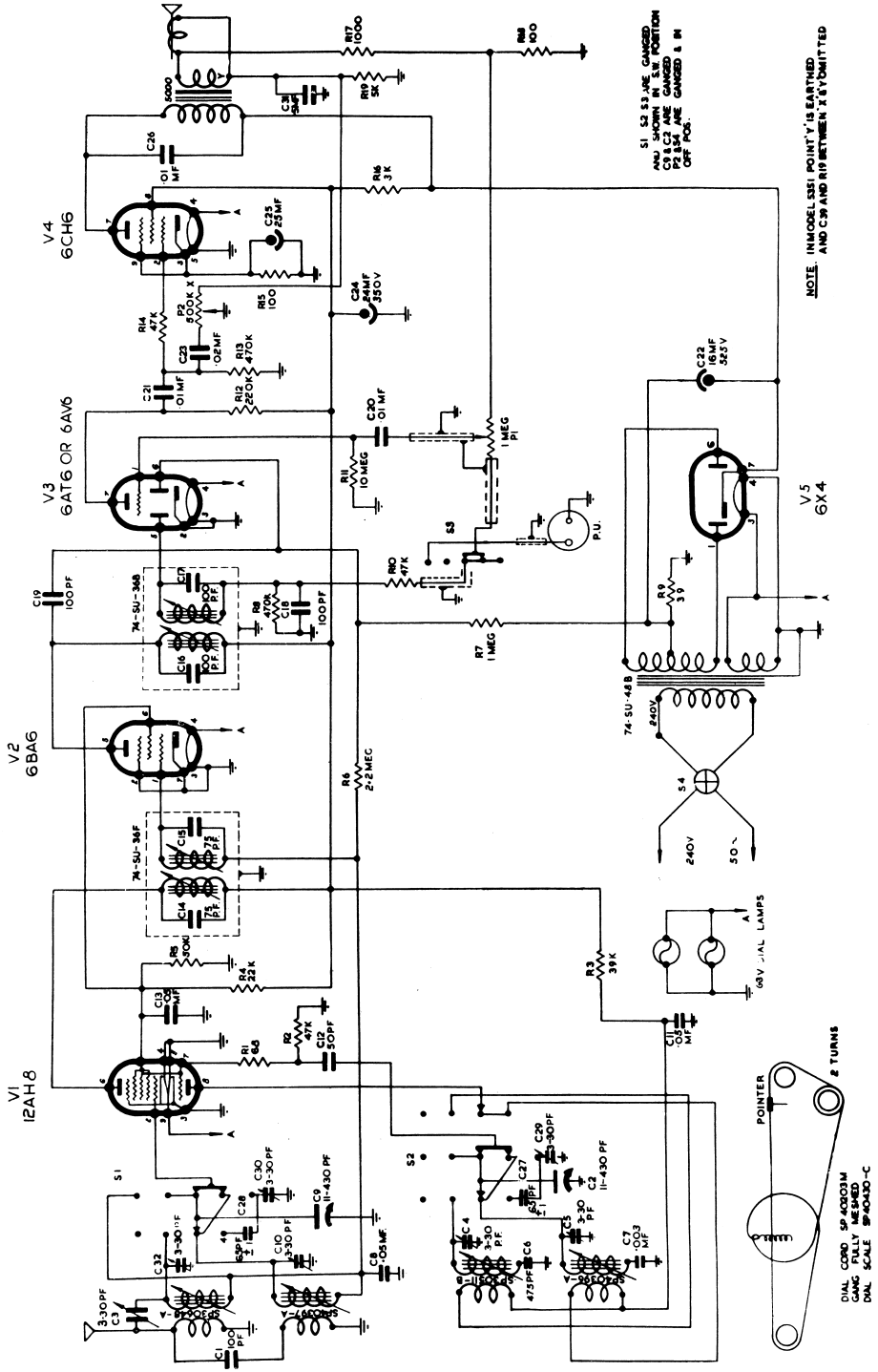
To obtain the best results from this receiver it is desirable to carry out the following alignment procedure:—

(1) Align the I.Fs., broadcast and short wave bands in the normal manner.

(2) Change over to bandspread, set pointer on 11.8 megacycles and tune in 11.8 megacycles from a signal generator by adjusting the bandspread oscillator trimmer.

(3) Set pointer on 10 megacycles and peak the aerial coil bandspread trimmer on a 10 megacycle signal.

SPECIFICATION OF S.T.C. MODEL A5351 AND A5351/1 CONSOLE RADIOGRAM



DESCRIPTION:

A 5 valve three band A.C. operated console radiogram incorporating:—
Automatic gain control.
Three speed mixed record changer.
Inverse feedback.
Bandspread of two international wave bands.

TUNING RANGE:

530-1620 Kilocycles.
4.8—15.6 Megacycles.
Bandspread—9.5—12 megacycles.

INTERMEDIATE FREQUENCY:

455 Kilocycles.

VALVE COMPLEMENT:

V1. Frequency converted 12AH8.
V2. I.F. Amplifier, 6BA6.
V3 Detector, A.G.C. and audio amplifier 6AT6.
V4. Output 6CH6.
V5. Rectifier 6X4.

POWER SUPPLY:

230-250 volts at 50 cycles only.
200 Milliampers at 240 volts input on RADIO.
280 Milliampers at 240 volts input on GRAM.

LOUDSPEAKER:

6 by 9 inch oval permagnetic, with 5000 ohm transformer.

CIRCUIT VOLTAGES:

	Plate	Screen	Osc. Plate	Cathode	Heater
V1	235	80	70	0	6.1
V2	235	80	—	0	6.1
V3	80	—	—	0	6.1
V4	260	235	—	0	6.1
V5	250/250	—	—	270	6.1

These voltages are measured to the receiver earth with a voltmeter having a resistance of at least 1000 ohms per volt and they may vary within 5% of their stated values.