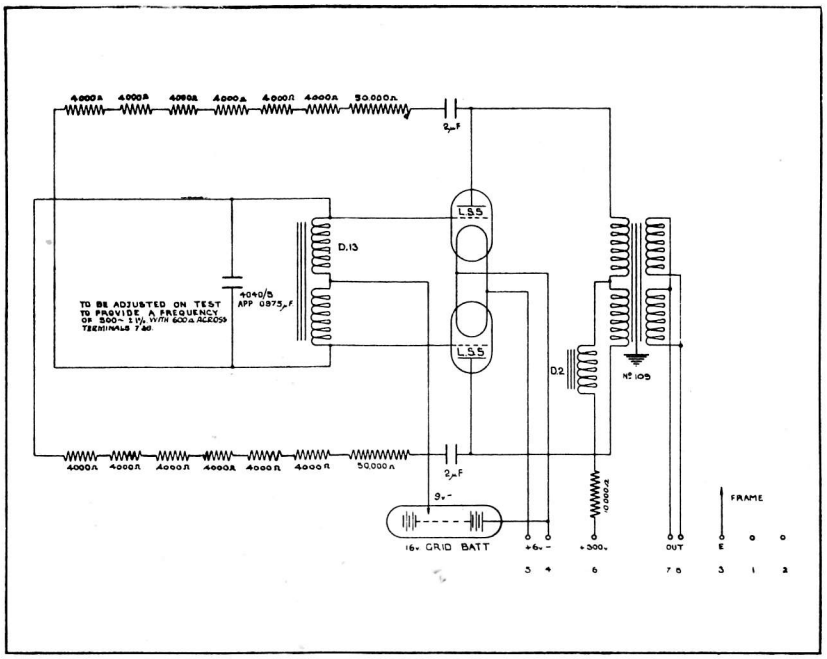
OSCILLATOR OS/2



Drawing LS.434, Issue 3.

Function—This is a 500 c/s oscillator and is used at transmitting stations for calibrating programme meters and supplying A.C. testing current.

It is installed at **L.R.T., N.R.T., W.R.T.** and **S.R.T.**

Circuit—It is a push-pull oscillator the frequency and output of which are both fixed by adjustments made at the time of installation.

Supply Data

Valves	*Grid Bias* Volts	*Anode Feed* mA. (approx.)	*Filament* Volts	Amps.
2-LS.5 (in push-pull)	9	18	5	1.6

High Tension supply	300 volts	
Low Tension supply	6 ,,	(adjusted to 5V. by a series resistance).
Grid Bias	Obtained from a dry battery mounted on the panel.	

Output—The oscillator, when terminated by a 600 ohm circuit, provides an A.C. output at **500 ±5** cycles, of approximately 15 mA., i.e. at a level of approximately **+22 db.** As this output is more than is required for calibrating a thermocouple panel a loss pad is connected across the **A.C. In T.C.** jack in order to reduce it to the required value and protect the thermocouple against excessive overload.