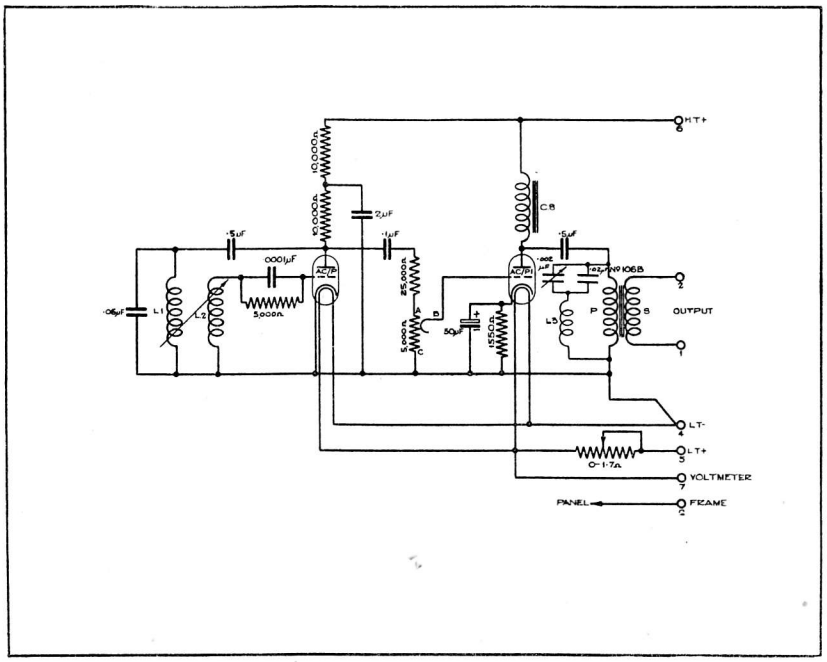
OSCILLATOR OS/3



Drawing A.2983, Issue 2.

Function—This is a 1,000 c/s oscillator used at **Maida Vale** for calibrating programme meters and for testing amplifiers and lines.

Circuit—The oscillator is of the self-biassing type and is followed by a single-stage amplifier provided with a volume control for regulating the output level. Across the primary of the output transformer is connected a tuned circuit for the suppression of the second harmonic of the fundamental oscillator frequency.

Supply Data

Stage	*Valves*	*Grid Bias*	*Anode Feed* mA. (approx.)	*Filament* Volts	Amps
Oscillator	AC/P	Self-biassing		4	1
Amplifier	AC/P1	Automatic	16/20	4	1

High Tension supply .. .. 250 volts.
Low Tension supply .. .. 6 ,, (adjusted to 4V. by a series resistance).

Output—With the volume control on maximum, the oscillator can provide an output at 1,000 c/s into a 600 ohm resistance at a voltage of approximately 2.8, i.e. at a level of approximately 11.0 db.