

MODEL 134/1051

19th March, 1953.

IMPROVED OSCILLATOR PERFORMANCE

An improvement in oscillator performance has been made by changing the values of C13, R3 and R4 and altering the positions of C14 and R3. Details are:

- C13 changed from 560pF 2% to 525pF 2% mica. The new value is built up from 475pF 2% and 50pF \pm 1pF in parallel.
- R3 changed from 50,000 ohms $\frac{1}{2}$ W 10% to 100,000 ohms $\frac{1}{2}$ W 20%.
- R4 changed from 20,000 ohms $\frac{1}{2}$ W 20% to 50,000 ohms $\frac{1}{2}$ W 20%.

The change in value and positions of resistors has given rise to a change in voltage analysis. The screen of the type 1R5 valve now reads 23 volts instead of 35 as previously.

The new positions of components are:-

- C14 earthy side removed, and connected to the junction of R3 and C13.
- R3 earthy side removed and connected to positive side of V2 heater.