Ferrograph.

To record : connect " Input 1 " on the Ferrograph to the socket on the pre-amplifier marked " To tape record amp."

To playback : connect " Input 2 " on the Ferrograph to the pre-amplifier socket marked " From tape replay amp."

In general-any normally designed tape recorder may be used, but the following points should be noted :—

(*a*) The output impedance of the tape recorder playback amplifier may be of any value up to 50,000 ohms.

(*b*) The input impedance presented by the " Point One " pre-amplifier, in the " TAPE " position, is approximately 100,000 ohms.

(*c*) The input impedance of the recorder when recording should preferably be at least 100,000 ohms.

(*d*) An earth (ground) connection should not be made to the tape recorder, as this may cause an " earth loop " and hum. The recorder will automatically be earthed through the pre-amplifier and TL/10 amplifier.

7. GENERAL NOTES ON MAINTENANCE.

The schematic drawings of the " Point One " pre-amplifier and TL/10 amplifier provide nearly all the information required for servicing. However, the following points may be of interest.

C12, 13, 14 , 15 are all 450V D.C. working, 550V D.C. surge. If it is ever necessary to replace any of these capacitors, C12 *must* be of the plain foil type capable of carrying 100mA ripple. C13, 14, 15 carry negligible ripple and may be of the etched foil type.

The KT.61 valves (tubes) may be replaced by a pair of 6L6's, but the following modifications *must* be carried out.

R3 must be changed to 1M ohms, $\frac{1}{4}$ watt.

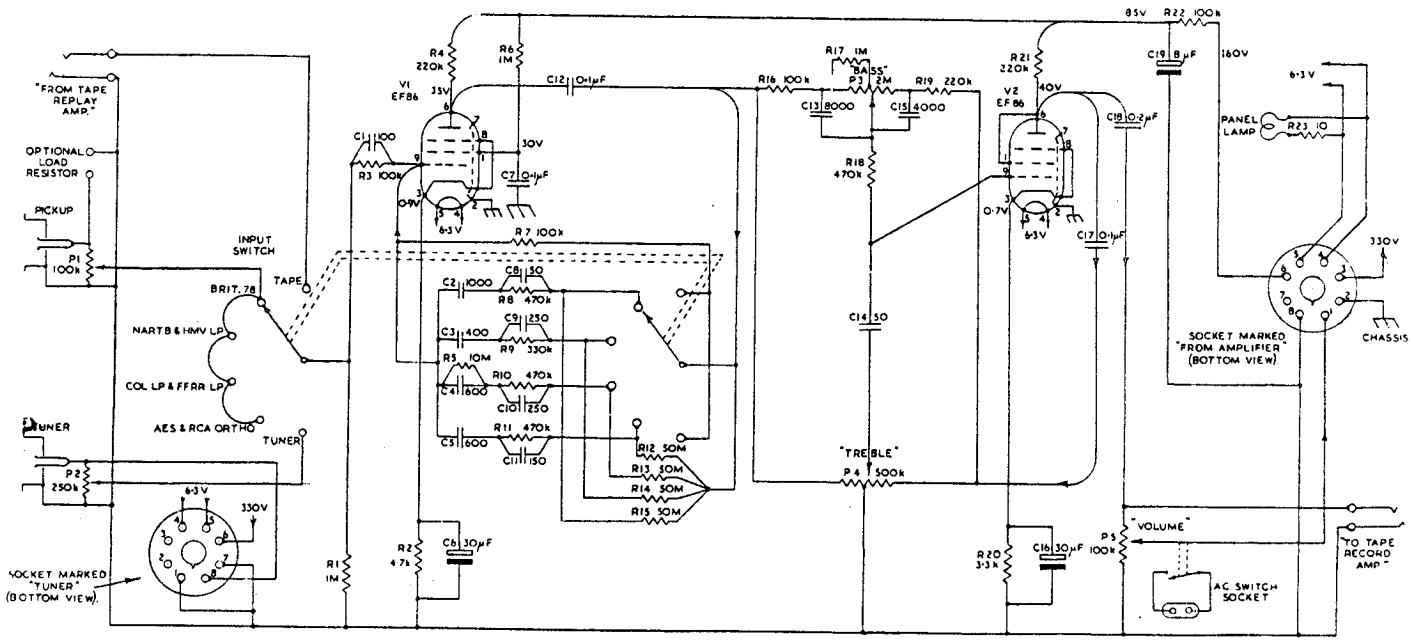
R5 „ „ „ „ 330k ohms, $\frac{1}{2}$ watt.

R14 „ „ „ „ 300 ohms, 3 watt.

C8 must be omitted.

Under these conditions the amplifier will function the same as with KT.61's.

The Brimar valve (tube) 6AG6G is an exact equivalent of the KT.61, and may be plugged in without modification to the amplifier. In the TL/10, and in the pre-amplifier the Osram Z729 can replace the EF.86.



RESISTOR VALUES SHOWN IN OHMS.
CAPACITOR - - - MICRO-MICROFARADS
EXCEPT WHERE OTHERWISE SHOWN.
VOLTAGES MEASURED ON A METER OF 1000Ω/VOLT

CIRCUIT DIAGRAM OF "POINT ONE" PRE-AMPLIFIER.