E900

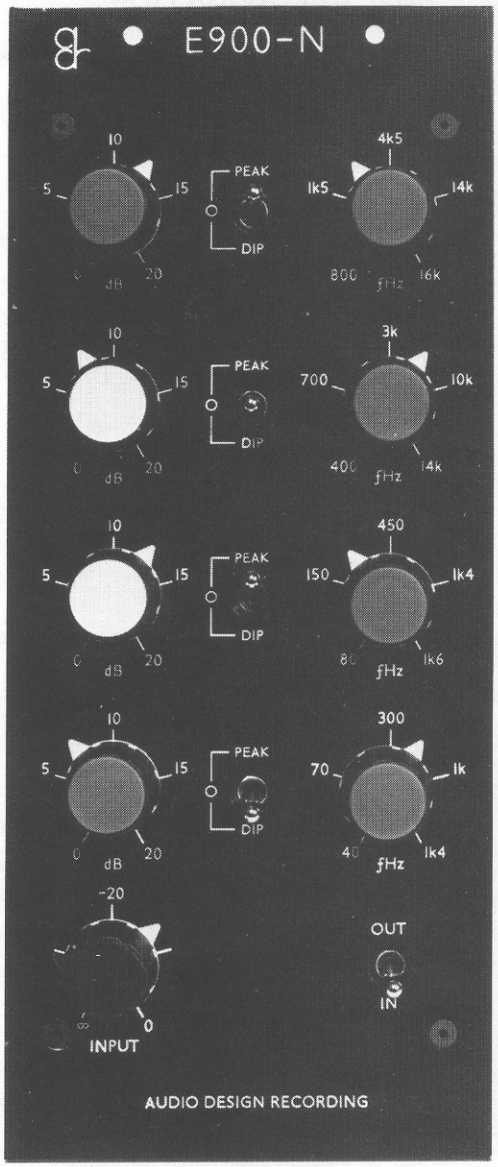
THE E900 SWEEP EQUALISER is a continuation in design philosophy from the highly successful E800* unit. It is the result of considerable design effort and involves the employment of novel techniques to achieve an extremely high standard of performance.

- CONTINUOUSLY VARIABLE FREQUENCY SELECTION
- FOUR SIMULTANEOUSLY VARIABLE SECTIONS
- TWO 'Q' OPTIONS OVER AUDIO RANGE
- 40dB CONTROL RANGE (±20dB)
- SECTION 'PRE-SELECT' FACILITY

The design provides that wide range of control that is so essential in 'pop' productions; with 20dB peaking or notching.

There are four continuously variable sweep sections; two controls covering the audio range at a 'Q' of 1.5; and two at a 'Q' of 3.

1st Section covering	40Hz — 1k4Hz ('Q' - 3)
2nd Section covering	80Hz — 1k6Hz ('Q' - 1.5)
3rd Section covering	400Hz — 14kHz ('Q' - 1.5)
4th Section covering	800Hz — 16kHz ('Q' - 3)



E900-N Module

The unit is provided with an input attenuator and each frequency section has a Peak/Dip switch with a 'centre-off' position. Thus an individual section can be pre-set for frequency and amplitude and switched 'peak' or 'dip' for effect, without affecting any continuous E.Q. being applied in the other sections.

The advantages of SWEEP EQUALISATION are really self-evident; the engineer can exactly select an area (instrument fundamental or overtones / voice etc) that requires accentuation or attenuation without having to accept a compromise between fixed frequency positions.

The graph overleaf shows the curves of the frequency sections hown either in the peaking or notching mode for simplicity; bear in mind that each curve can also do the opposite of what is hown. In the notching mode, high and low-pass filtering is available at slopes of approximately 10dB/oct ('Q' - 1.5) and 15dB/oct at 'Q' - 3; the other two sections remaining for use in between.

Varying the frequency sweep control during operation will produce phasing effects.

*The E800 unit, although not listed, is still available to special order.