

MULLARD SCREENED PENTODES

Owing to the very high powers radiated by broadcasting stations in all parts of the world to-day, distant reception is possible for every listener employing a set of average sensitivity. At the same time, *pleasurable* distant reception

amplifying stages of the receiver should be of the highest possible efficiency.

It is primarily in order to provide an H.F. amplifier of greater sensitivity than the screened grid tetrode that Mullard H.F. pentodes

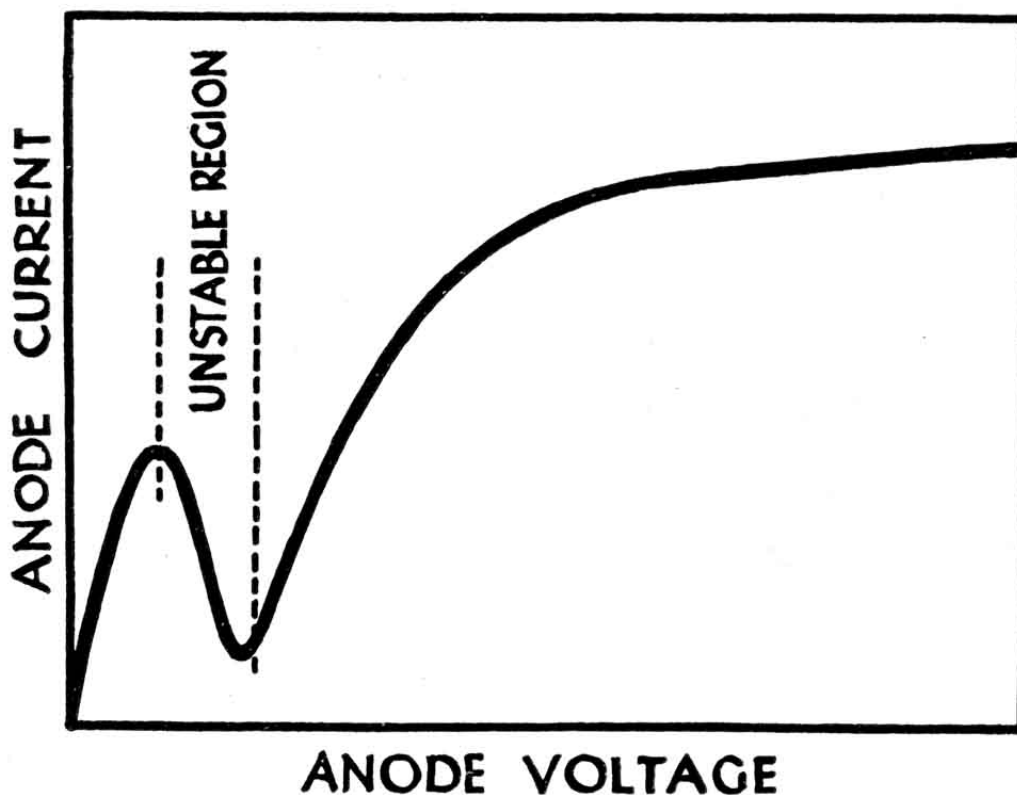


Fig. 1.

demands a much greater degree of selectivity in the receiving apparatus than has been necessary heretofore.

Devices for improving selectivity, however, nearly always involve considerable sacrifice of signal strength, and it is therefore very essential that the high frequency

corresponding electrodes in the screened-grid valve.

One of the effects of adding the suppressor grid is to avoid the negative resistance kink in the anode-volts/anode-current curve which occurs in all 4-electrode valves (Figs. 1 and 2) and as a result the H.F. pentode may be

or screened pentodes have been developed. These valves are not merely an adaptation of the L.F. output pentode, but are a direct development of the screened grid valve, the third or suppressor grid being additional to the control grid and screen, which fulfil the same functions as the