

## GEC - Experimental Magnetron # 1



This sample of GEC split-anode magnetron looks very early, with its vertical electrode structure anchored to a molded complex glass frame. The same ratio between the considerable diameter of the anodes and their reduced height suggests a construction before 1935.

It should therefore be one of the first magnetrons designed by Megaw at GEC. The fact that it was preserved in the GEC collection suggests that it had been used in some important development step of this component. In 1933 E.C.S. Megaw wrote of his studies on the split-anode Habann type magnetron presented before The Institution of Electrical Engineers. It is therefore reasonable to assume that this sample was used by Megaw just during these studies. If this were the case, our sample could be dated between 1932 and 1933 and this would explain its primitive geometry and its equally crude construction. Further investigation could be required.