

# M.F H.F and V.H.F Sound Broadcasting Transmitters

AS EARLY as 1920, The Marconi Company inaugurated the world's first wireless telephony news service. Since that time, this Company has supplied the majority of the high-power transmitters to the B.B.C and a wide range of studio and transmitting equipment to many broadcasting authorities throughout the world. An important part of the Company's business consists of 'turnkey' projects, where Marconi's are responsible for the entire contract, from site clearance to handing over the buildings complete with operational equipment. This service is invaluable to small organizations and also to large organizations especially during periods of rapid expansion.

Several important new equipments appear in this year's catalogue, among these are transmitters representing the whole range of m.f broadcasting. For local broadcasting stations, the existing 10 kW transmitter (B 6024) is supplemented by the new 1 kW m.f transmitter Type B 6023. For many small coverage requirements, this transmitter provides an ideal solution being completely transistorized except for the output stage, with a consequent increase in reliability and simplicity. At the other extreme, the new 500 kW transmitter Type B 6021 supplies the requirements of operators seeking international day and night coverage on the medium waveband. In the centre of the range, the recently introduced 50 kW (B 6022) and 150 kW (TD 107) transmitters (the latter designed and manufactured by Marconi Italiana) provide the more extensive national coverage so often required on this medium waveband.

In the h.f range, a new air-cooled 100 kW transmitter Type B 6123 is introduced, having great advantages over previous designs in layout, ease of installation and maintenance, economy and operational simplicity.

All Marconi transmitters are carefully designed to provide adequate safety for operational personnel and are protected against damage from fault conditions and supply surges.