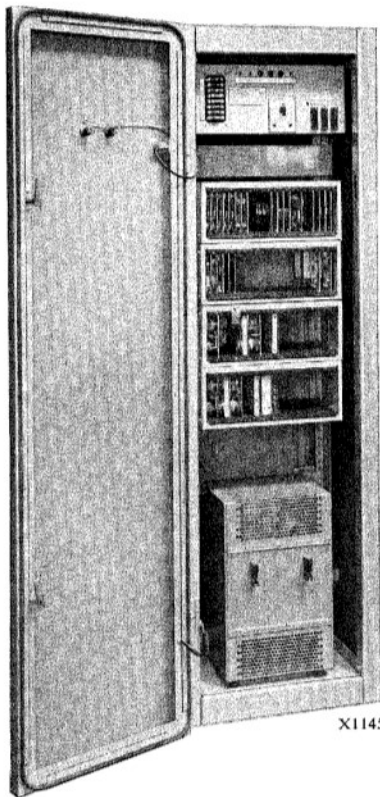
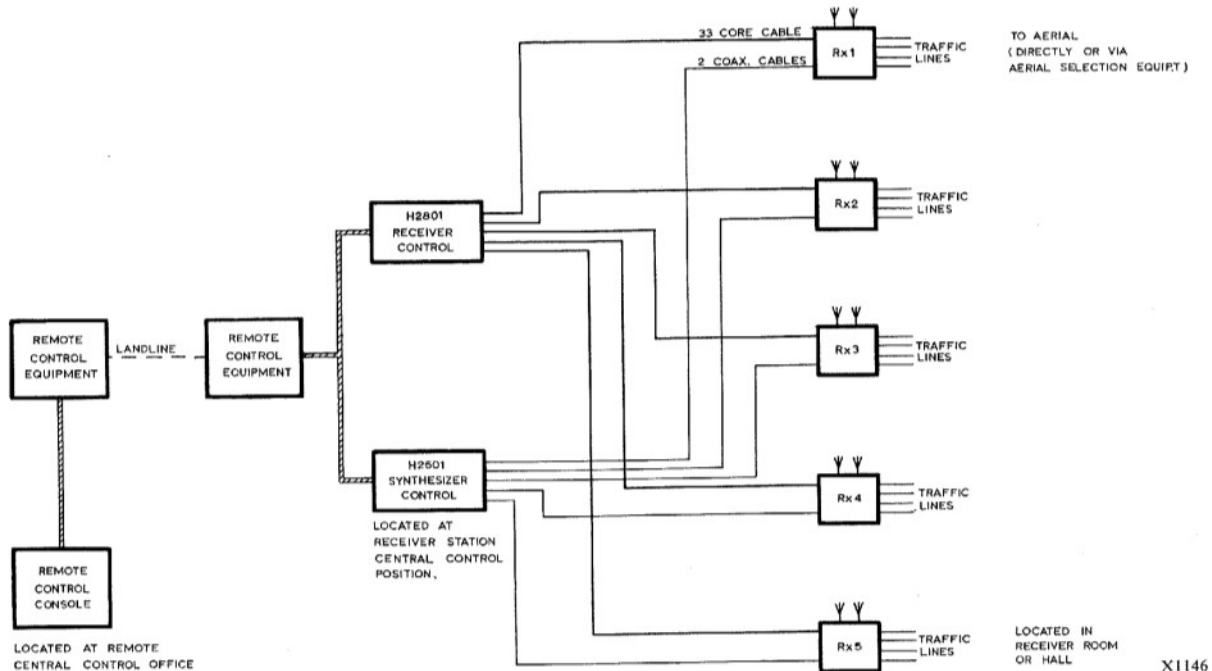




Remote Control for MST H.F. Receivers



IN point to point communication systems it is necessary to site the Receiving Stations at a suitable distance from the Transmitting Stations. The Remote Control System is designed for general use with the MST range of equipments, including both transmitters and receivers. Separately sited Transmitter and Receiver Stations can be controlled from a common remote Control Centre which may be situated to suit the convenience of the system.

Control and status information of the frequency in 100 c/s steps, selection of aerials, sideband reversal, audio monitoring etc., is passed continuously over a landline or radio link between the receivers and the Control Centre in the form of frequency shift tone. Receiver control units, linked with the actual receivers, convert all the necessary receiver control and monitoring functions into digital form. The digital information is stored by the remote control equipment and is scanned and transmitted continuously on a time division multiplex

basis. The receiver control and monitoring functions thus become available at a distant remote control console.

A typical station layout controlling five receivers is shown above. Each receiver has its own frequency synthesizer and control unit housed in two cabinets Type H 2601 and Type H 2801. Any number of receivers can be controlled remotely and the system design is such that it lends itself to future expansion, without major installation work.

For maintenance purposes the remote control equipment may be disconnected from the receiver control, enabling the receivers to be operated locally.

Remote Control equipment for MST (Westronic).

Photo by courtesy of Westinghouse Brake and Signal Company.

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