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250W AM . . . KOOS

Coos Bay, Oregon

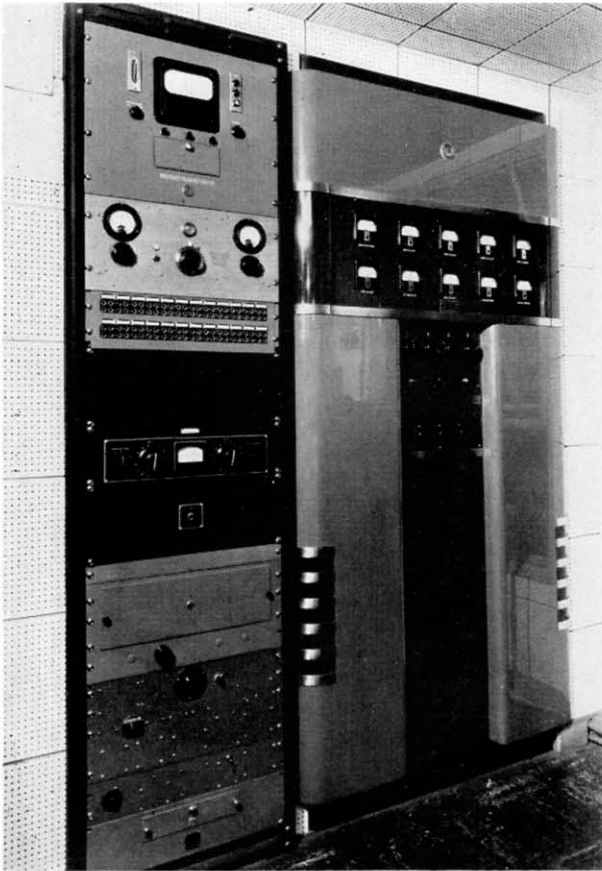


FIG. 1. Transmitter and monitoring and test rack are both flush-mounted in a wall of the Hall Building's fifth floor.



FIG. 2. As shown below, the KOOS tower is installed atop the Hall Building.

KOOS, originally a composite station, now operates with a new RCA 250 watt transmitter, type BTA-250L. All station equipment (transmitter, antenna and studio) is located in the "Hall" building (5th floor) of downtown Coos Bay. Tentative future plans include increasing power to 1 KW by the addition of a 1 KW power amplifier. In this event, transmitter equipment would be moved out of town and studios retained in the Hall building.

The KOOS antenna tower and counterpoise system is installed atop the Hall building, as shown in Fig. 2. The KOOS 250 W transmitter is flush-mounted in one wall, adjacent to the transmitter monitor, test and speech equipment rack (see floor plan of Fig. 3). Rear access to the transmitter and monitor rack is provided from the record room. In the one-floor KOOS layout, equipment is oriented so as to provide the operator complete access to all transmitter and studio controls, recorder and turntables. Visibility into the studio is provided from the operator's control position.

Studio control equipment consists of a composite 5-channel console, two RCA 70-series turntables, monitor speaker, monitor amplifier and turntable preamps. An RCA type 72 recording attachment is used on a third turntable (turntables and recorder have been in daily use for over 8 years and are still giving satisfactory service). In addition, KOOS uses 6 RCA microphones for studio and remote use. Tape recorders are frequently used on remote service and for some local programs.

FIG. 3. The one-floor KOOS layout provides the operator access to all station units, transmitter, monitor, and studio control functions.

