

THE RADIO

WAR NEWS

ALTHOUGH war has put a quietus on European ham-radio, a few German amateur stations have purposely been permitted to keep on operating in the hope of picking up useful information, columnist John Chapman reported last month in his "Mainly About Manhattan."

A mystery broadcast station, purportedly "official British", and broadcasting extravagant claims of British support during the invasion of Poland, was in reality a masquerading Nazi transmitter, claims London, according to columnist Leonard Carlton, last month.

BROADCASTING

STATION WMCA is slated to be the New York outlet of the newly formed Trans-Continental Broadcasting System. This 100-station, coast-to-coast net will have headquarters on 3 floors at 570 Lexington Ave., N.Y.C. Net gets first airing Jan. 1, 1940, Elliott Roosevelt announced last month.

SOUND

"I HEARTILY endorse the widespread use of the radio," stated Dr. Alfred L. Kruger, in a medical journal last month. The item that aroused Dr. Kruger's enthusiasm was the 4-channel radio installation in Hudson County Tuberculosis Hospital, Jersey City, N. J. Medical Director B. S. Pollak, M.D., at the Hospital, advises *Radio-Craft* that 600 patients are able to enjoy radio reception by means of individual, earphone-equipped sponge-rubber pillows. The effect upon patients has been encouraging.

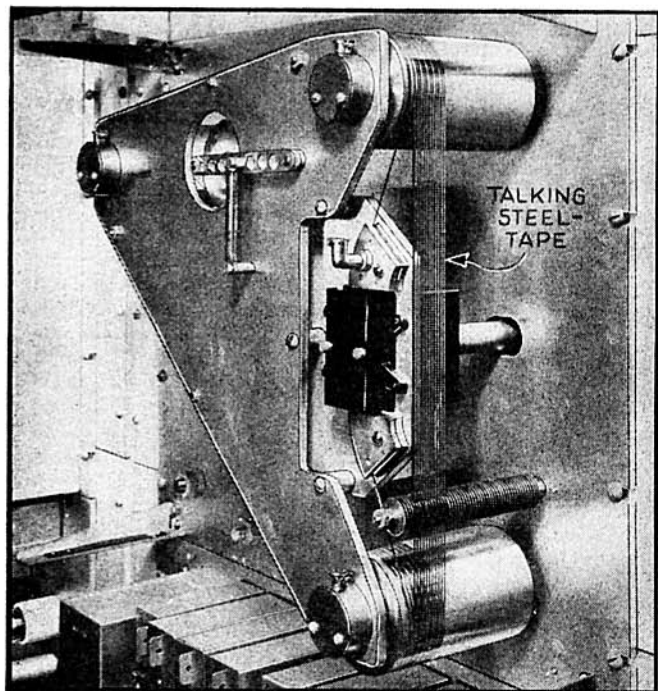
It was reported in the *New York Sun*, last month, that sound waves will detonate the magnetic mines which German planes dropped in British waters last month.

Special temporary authority was granted to the National Broadcasting Co., by the F.C.C., last month, to operate Relay



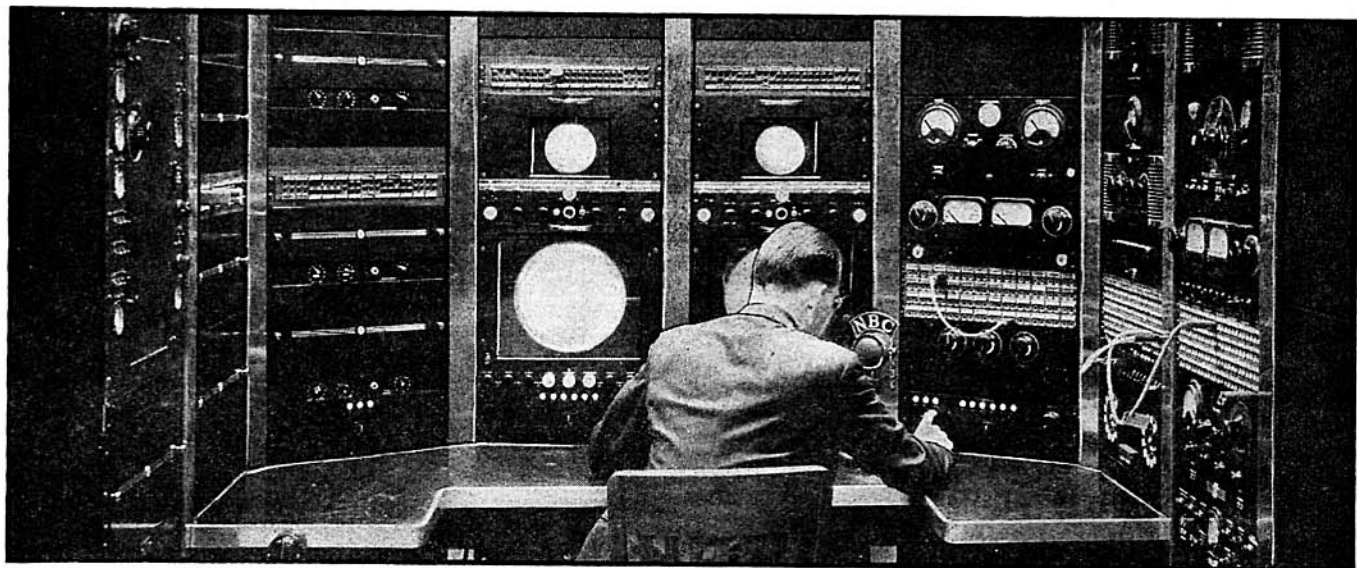
MISS "WEather 6-1212" . . .

The dulcet tones of the young lady in center-foreground may be heard, by proxy, by dialing the above telephone number; "Weather Forecast Information Service" will then come in on the wire and inform metropolitan New Yorkers as to just what is Uncle Sam's official forecast of forthcoming weather. Teletypewriter (right) supplies this data to young lady, at Control Turret (left), who reads the data into the mike for recording on endless steel-tape in a machine 10 stories below (see photo, below.) Reports automatically repeat.



. . . AND THE "WEATHER" MACHINE

Above is a close-up of the recording and reproducing machine used to announce the weather forecasts. Recordings on the steel tape remain until electrically "erased," and a new recording made. (See "Sound-on-Wire Tape," *Radio-Craft*, May, 1939, for discussion of general principle involved.) Last month *Bell Laboratories Record* (Nov., 1939, issue) published complete details of this system in the articles, "Weather by Telephone," and "Weather-Announcing Tape Machine."



TELEVISION CONTROL ROOM

Last month the National Broadcasting Co. completed the installation of the latest type of television control equipment at its pioneer Station W2XBS, Empire State Tower, New York City; the new telly transmitter control room is shown above. New 12-inch monitor kinescopes and the latest type wide-band oscilloscopes, are a feature of the installation. The new VU volume level indicators and testing equipment for telly's hi-fi sound occupy the panel directly to the right of the monitoring kinescopes. The ultra-shortwave receiver, linking the transmitter with N.B.C.'s tele-mobile field units, is located in the far left panel. This control equipment, designed for extreme convenience, is mounted in a room completely screened to prevent outside interference.