

A Distinguished Amateur of Mexico City

Dr. James M. B. Hard With His Portable 30DXB Transmitter in His Suite in the Pennsylvania Hotel, New York City

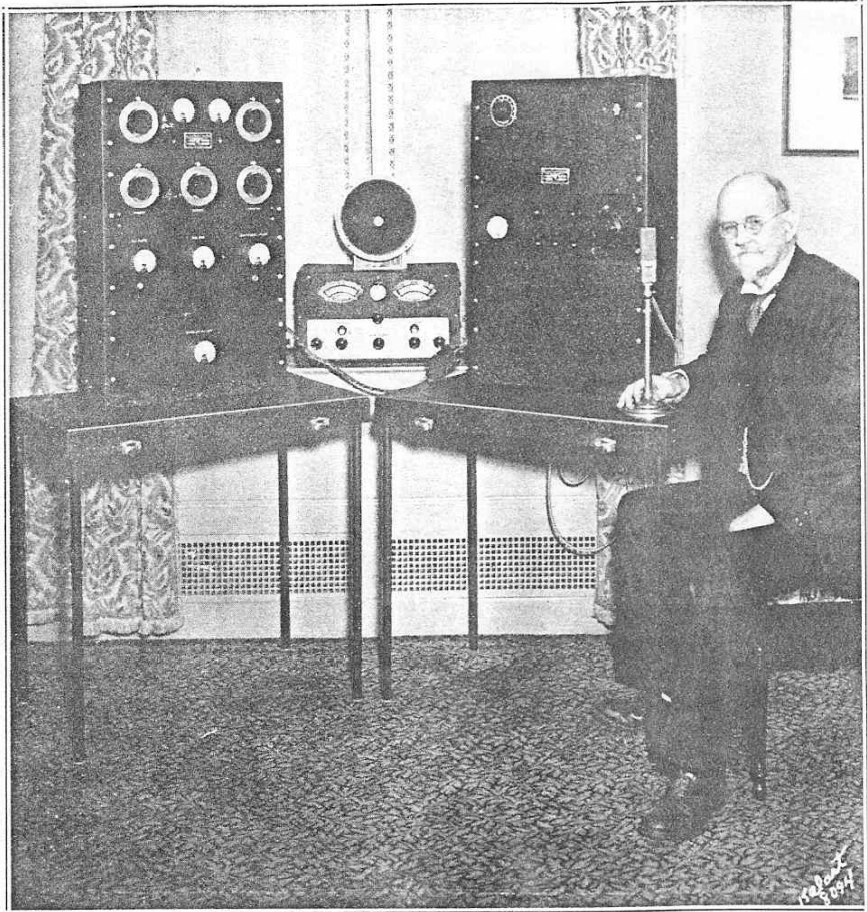
Dr. James M. B. Hard, X 1 G, has been operating his amateur station only for the past year and a half, but in that short time has become one of the best known amateurs, the world over.

Dr. Hard is a charter member of Liga Mexicana De Radio Experimentadores.

In rebuilding his station something like a year ago Dr. Hard chose the COLLINS model 30DXB for his new installation. This transmitter was especially designed to meet the needs of X 1 G, it being used on portable location throughout Mexico. It is Dr. Hard's custom to spend the week-ends away from the City and he desired equipment which would be portable so that he might be on the air when away from home. Therefore, on his last trip to the United States he commissioned us to design a special carrying case and distinctive equipment which might be readily transported in a new Packard which he had just purchased at the New York Automobile Show.

The limitations on a portable transmitter are well known. Especially are they rigid when it is specified that it is absolutely necessary for the instrument to cover a minimum range of 1500 miles. Mexico City is approximately 1,000 miles from the border and it was Dr. Hard's desire, of course, to be able to contact stations in the United States as well as throughout Mexico.

The standard 30DXB was used and an output of 55 watts obtained on all frequencies. The speech amplifier, line voltage control and remote control panel were mounted



in a special rack so that, if necessary, the main transmitter could be remotely controlled for a distance up to approximately 25 ft. Space was reserved on the speech rack for mounting a receiver.

The tables on which the two racks are resting, as shown in the illustrations, are in reality the front covers which protect the meters and dials when the set is being transported. The legs of the tables are removable and it only requires about five minutes to set up completely, or dismantle, the station.

X 1 G has been on the air about six months and is maintaining consistent contacts with all districts

in the United States on 20 meter and 75 meter phone.

The installation is equipped with the Brush crystal microphone which is insensible to atmospheric changes and humidity and it has a frequency response flat from zero to 12,000 cycles.

Dr. Hard is well known to practically every amateur in the United States and abroad. It may interest some to know that the Doctor is a man of imposing height and appearance, of very genial personality and uses amateur radio as a relaxation from his wide and most exacting professional duties. A letter recently received from the Doctor is reproduced herewith.