

Dear Radiofan:

We wish to thank you for your acknowledgement of receipt of our station. We appreciate your efforts in advising that you are receiving us.

KOB is owned and operated by the New Mexico College of Agriculture and Mechanic Arts at State College, New Mexico. Because older maps do not show our location, it is described as 40 miles north of El Paso, Texas, 3 miles southeast of Las Cruces and 1 mile east of Mesilla Park, New Mexico, in the rich Mesilla Valley. The valley is a farming community, extending for miles up and down the Rio Grande river. It is under the Elephant Butte Irrigation Project of the U. S. Reclamation Service.

KOB is one of the oldest broadcasting stations in existence, having started back in 1920 with a standard Navy ship's spark transmitter. At that time only time signals and weather reports were broadcast by code. Shortly after this a fifty watt tube type telephone transmitter was built and installed, with which regular programs were sent out in addition to the daily reports. This was replaced in April, 1924, by a 1000 watt transmitter with outputs at various times of from 500 to 750 watts to our aerial. This set was replaced late in February, 1926, by a 10,000 watt transmitter. The present output of this is ~~about 5000 watts, but it is expected this will be increased shortly.~~ *10,000*

The present transmitter is a 10,000 watt set, constructed in the shops of the College from our own designs. It is of the "master oscillator" type. The antenna system consists of a twin cage type aerial suspended on pipe masts 140 feet high and 175 feet apart. Under this is the ground system composed of a 60 foot diameter circle of 28 inch hog wire, buried 5 feet in the ground with 20 radial wires to the center directly under the transmitter. Our wave length is ~~394.5~~ *254.1* meters, or our frequency is ~~760~~ *1180* kilocycles.

The broadcasting service of KOB at present consists of time signals from 11:55 to 12:00 noon and 9:55 to 10:00 P. M. standard mountain time; followed by weather reports furnished by the U. S. Weather Bureau at Denver thru a special telegraphic service; New Mexico highway condition reports, furnished by the New Mexico State Highway Department; Crop reports, furnished by the U. S. Department of Agriculture; and at noon by brief news of the day and a short musical program. On Monday, ^{*Tuesday*} Wednesday, ^{*Thursday*} and Friday ^{*Saturday*} nights, from ~~8:30~~ ^{*8:00*} to ~~9:30~~ ^{*9:00*} mountain time, concerts, lectures and interesting information is broadcast. Athletic and special events are broadcast as they occur.

We would appreciate your suggestions for improving this service from time to time.

Very truly yours,

KOB

New Mexico College of Agriculture &
Mechanic Arts.

BALDWIN PIANOS USED EXCLUSIVELY