

# KWNA RADIO

● SERVING NORTHERN NEVADA ●  
1400 KILOCYCLES 250 WATTS

MUSIC • NEWS • SPORTS

PHONE MADISON 3-2501  
WINNEMUCCA, NEVADA

April 1, 1959

Dear Ernest:

Thanks for your report on the reception of KWNA on 3/30/59, I think you must have meant 3/23/59 because I didn't have the station on for testing on the 30th of March. You heard the 23 test while I was making my freq check to RCA Communications Station In Point Reyes Calif. Our rig here is a Gates BC-250-GY-----250 Watts to the Antenna....350 Watts input to the final with a pair of 810s in the final and another pair of 810s in the Class B Modulator. Our Transmitter and antenna and studios are located just outside the city limits of Winnemucca South of town. Our tower is a 200 foot vertical, Series fed with an antenna resistance of 61 ohms. Our required antenna current to keep 250 watts into the antenna is 1.24 amps. The RF line up on the Gates BC-250-GY xmitter is as follows.....Oscillator 807---Driver-813---to a pair of 810s in the final. Audio us es as I said a pair of 810s in the Class B Modulator and a pair of 6L6,s in the Audio driver circuit. High Voltage Rectifiers are a pair of 8008,s. Low Voltage Rectifier is a 5U4-G. Its really a very simple rig with a Pie net work output. Everything from Modulation monitor to turntables is Gates. Our Antenna is located right along side the building with our control room and studios in it. The xmitter is directly coupled. We do not use an antenna tuner. But all the tuning of the antenna is done right inside the xmitter. This is a screwy set up. And I don,t recommend it. But thats the way the Consultant who put the station in so what can you do. Most stations use a Antenna Tuner and locate the Antenna 200 feet or so away from the building and feed it with Coax cable. I see your a Ham. So am I. The Call here is W7HOP. So good luck in your BCL work and hope to cu on 40 fone when you get ur general.

Best 73s

*Reid Ross*  
W. Reid Ross W7HOP  
Chief Engineer KWNA