

# RADIO STATION KXRJ

*The Valley Broadcasters*

TELEPHONE 299

RUSSELLVILLE, ARKANSAS

28 October, 1947

Mr. Ernest R. Cooper  
438 East 21 Street  
Brooklyn 26, New York

Dear Sir:


I dont know whether we have any better equipment or whether we use what we have to a better advantage. We do get out however. Just last week I had a letter from New Zealand. He gave me a QSA 4 to 5 and R 6 to 7.

I am glad to receive your reception report and am more than glad to verify it. You had everything right on the nose. I know because I make all of the freq. checks. My daily schedule is 5:30 AM to 11:00 PM. My frequency checks are once weekly 1:30 AM to 1:45 AM each Monday morning. This is because we have no frequency monitor at the station. We have been on the air since last Feb. 23.

I use all Raytheon equipment here. I have a transmission line that is 785 feet long. It is a four wire open line and I have very little loss in it. My antenna is a guyed vertical 150 feet high, series fed. My ground system consists of 120 radials that are 180 feet long. These are buried about a foot under ground, the ends tied to metal rods driven in the ground about six feet. We are very proud of our coverage with the setup that we have. Our daytime coverage is fourty to fifty miles and our nite time coverage is about twenty miles. I think that you can see by this that we really are getting out for a two fifty watt station.

I hope that I have given you all of the information that you wanted. I hope that you continue to have great success in the radio club. Again thanking you for your reception report, I remain,

Very truly yours



John E. Riley  
Chief Engineer