

# RADIO STATION KWSK

PRATT, KANSAS

February 17, 1954

Mr. Kermit Geary  
R.F.D.2, Walnutport, Penna.

Dear Mr. Geary:

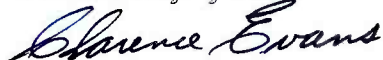
I have your letter of January 26, 1954 regarding reception of the frequency check conducted on the morning of January 25. This letter should confirm your report. I also have your letter of Sept. 28, 1953 and also wish to confirm that. I was under the impression that I had written you regarding the September report, but perhaps I was thinking of something else and did not get the job done. I do recall that <sup>you</sup> wrote in about a year ago regarding reception of this station but the station logs showed that we had not been on the air at that time. At any rate, I wish to apologise for not answering the September report.

Both of the reports indicate that KWSK was getting into that part of the country with a very strong signal and good readability each time, which was a pleasant surprise to me. Regarding the QRM, it is to be expected for it is pretty hard to get anywhere by trying to buck that Mexican powerhouse XERF with only 250 watts--it just isn't done. I don't think we do so bad, though, considering our rather ancient equipment.

The transmitter here is an old Gates 250-A of pre-1940 vintage, and which has undergone considerable revamping. The antenna is a 200 ft. grounded vertical, which is shunt fed by a slant wire at about 25 to 30 feet from the base. For some reason this setup seems to give extremely good results and our local coverage has been quite a surprise to us with good reception reports from as far out as 90 miles coming in quite frequently. At present I am trying to improve our reception by building and installing an automatic gain control and limiting amplifier at the transmitter. This unit, I hope, will increase our average modulation percentage by about 20% and the signal strength by about 3 to 5 db and in general make things a little more effective. Just when all this is going to take place, I can't say--I've been trying to get material together for the last five months in order to get things going and some delivery dates are still a couple of months off. Anyway, perhaps when it does go in, maybe the readability will improve somewhat back there--maybe.

Well, I'd better close it off now, so, thanking you for both of your reports, I remain

Sincerely yours



Clarence Evans, Ch. Eng.