



112 East 9th

TRENTON, MISSOURI

Phone 1600

ED HUNDLEY,  
Station Mgr.

October 3, 1955

S. A. BURK,  
General Mgr.

Mr. Kermit Geary  
R.D. 2 Box 298,  
Walnutport,  
Pennsylvania.

Dear Sir:

We received with great interest your reception report of the transmission of Sept. 25, 1955. Yours is the second such report we have received as a result of this test. The reason for the test was that we had had a very severe hum and some other distortion on the carrier most of the day and I was trying to check to see if we had eliminated the trouble. The limiter which we use is a Gates Sa-39. This unit has in the past given much trouble and the difficulty was again traced to this unit.

You may be interested in a few facts concerning our installation. The transmitter is a Gates BB-500GY using a single 833a as a final rf tube. The modulation consists of pp 6L6's driving pp 810's this is applied to the carrier by means of plate modulation of the 833a. The antenna system consists of 120 95' radials spaced the standard 3 degrees apart. The tower is 95' high excluding the base insulator and the pier on which it sets. The overall height is 98'. The radiation resistance of the antenna system is 12.7 ohms. The lower radiation resistance allows us to load 6.28 amps. of rf into the antenna system. Our transmitter is remote controlled from our downtown studios. All of our equipment is of the Gates manufacture. This equipment is used very extensively in this part of the country as well as several other parts.

My monthly freq. check comes in October the 9th at 12:00 to 12:15. This is on next Sunday morning. I will if you like stay on for a half hour or so so that some of the other club members could try to copy our signal. I hope the info contained herein is helpful should you desire any further info I shall try to supply it if I can. I have enclosed a copy of our coverage map. This was taken from our Engineering brief filed at the time of application.

Sincerely,

  
Stuart Walker Underwood Chief Engineer

Tops in News, Entertainment, and Sales at the top of your dial....