

RADIO STATION



WSUA INC.

Bloomington, Indiana

WARREN G. DAVIS
PRESIDENT AND GENERAL MANAGER

October 25, 1946

Mr. Hermit Geary
RFD #2, Walnutport, Pa.

Dear Sir:

This will verify your report of the reception of our signals October 19, 1946 at 2:24 am CST.

We were very pleased to receive your report, inasmuch as this was the first time this transmitter was on the air. It is a pleasure to receive a complete report such as yours, as it shows that keen observation was made of the signal.

Yes, you are correct about the low frequencies being missing from our transmissions. Our program line between studio and transmitter is 4 miles long and had not been properly set up and equalized at the time this test was run. It is now properly set and our quality is much improved.

Our radiator is a single 250 ft. Lehigh steel tower, guyed, uniform cross section. Our ground system consists of copper wire laid in radial fashion from the base of the antenna and bonded together there. There are 120 radials 300' long interspersed by 120 radials 50' long, buried 6". 42,000 feet of wire in all. The antenna is series fed with a conventional coupling unit and the power is brought from the transmitter house 350 feet away by means of coaxial line.

Our transmitter is manufactured by Gates Radio, Quincy, Ill. and uses a pair of 833A's in the final modulated by a pair of 833A's high level (Class B).

Sincerely,

73's - 

JIM ROLFE, WPGYU, Chief Engineer

"ONE THOUSAND WATTS



AT 1010 ON YOUR DIAL"