

CITY OF JACKSON

MISSISSIPPI

WALTER A. SCOTT, MAYOR  
HEALTH, POLICE, FINANCE

January 20, 1946

R. M. TAYLOR  
PARKS, LIGHT, WATER  
PUBLIC BUILDINGS

A. F. HAWKINS  
FIRE, STREETS, CEMETERIES,  
ENGINEERING, AVIATION

Mr. Kermit Geary  
R.F.D. # 2  
Walnutport, Pa.

Dear Mr. Geary:

Thank you very much for your fine report of reception from our station. I have checked the log and find your report to be an exact transcript. It is a pleasure to confirm your report.

We use a composite transmitter with 250 watts output, using a pair of NU 200 tubes in push-pull for final RF stage. This stage is modulated by a pair of 40Z tubes in class B. Antenna is a vertical tower of non-uniform cross section with a tower height of 95 feet, with a small top-loading section mounted on top of tower. This top loading consists of an assembly of four horizontal rods 6 feet long and one vertical rod 5 feet long connected as a unit and insulated from tower. Feed to top loading is accomplished from top of tower by a small inductance. The whole assembly is slightly larger than a quarter wave. Antenna is fed by a shunt feed tapped at 30 feet up, and driven by a 72 ohm coaxial line.

My records show that your report comes from a greater distance than any we have received. We do not have a predominant high angle lobe, since we are concentrating most of our energy in the vertical plane, so it is very pleasing to get a report from this distance. Thank you.

Yours truly,

*W. M. Ellington*  
W. M. Ellington  
Supervisor of radio.