

1,000 WATTS A. M.  
Regional  
1320 KILOCYCLES



60,000 WATTS F. M.  
Metropolitan  
96.5 MEGACYCLES

OWNED AND OPERATED BY THE KANKAKEE DAILY JOURNAL COMPANY

STUDIOS AND OFFICES 183 NORTH SCHUYLER AVENUE    --:--    KANKAKEE, ILLINOIS

May 23, 1947

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

Dear Mr. Geary:

This is to verify your reception of WKAN. The information you submitted concerning the musical selections and announcements are quite correct. We have been conducting equipment tests for the purpose of making adjustments in the transmitter and antenna tuning unit. The music was, of course, merely for modulation checking, although we hope you enjoyed it!

We are using a Raytheon Model RA-1000 one kilowatt transmitter using push-pull 833's in the final and modulating with a pair of 833's in Class B. The plate efficiency is 71.5%, putting 3.96 amperes into an antenna resistance of 64 ohms. The antenna is a 300' triangular uniform cross-section guyed tower, which is .402 wave-length at the operating frequency. The antenna is shunt excited, and reports from all directions are confirming our belief that the radiating system is quite efficient. Our operating license will be for daytime programming only, and we hope to start our regular broadcasts the first of June.

The FM transmitting antenna is mounted on one leg of the tower, and consists of eight circular radiating elements placed 360 electrical degrees apart on a vertical support running from the top of the tower down to 200'. We hope to have the Federal 10 kilowatt FM transmitter under test sometime in June.

We appreciate your interest in our station, and thank you very much for your report. Please feel free to call upon us for any further information you would like.

Sincerely,

A handwritten signature in blue ink, which appears to read "Robert L. Harrell, Jr.", is written over the typed name.

Robert L. Harrell, Jr.  
Chief Engineer

RLH/eb