

P. O. BOX 68
GENEVA, ILLINOIS

Radio Station
WGSB

BURT SQUIRE
General Manager

PHONE: 584-8820

December 14, 1961

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

Dear Sir:

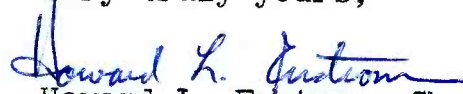
This will acknowledge receipt and verify the report of program and transmissions of WGSB as outlined in your letter of December 9th. Your report was most complete and we sincerely thank you for it.

WGSB is a new AM full-time operation and is affiliated with the Mutual Broadcasting System. We transmit with 1000 watts daytime and 500 watts nighttime; propagation is with separate patterns for day and night. Our day pattern is toward the Southwest to serve the Fox River Valley cities. At night, we serve those cities with minimum signal strength for primary coverage, while our major lobe is 31.5° true. This accounts for the great number of listener-reports we receive at locations in the Northeast portion of U. S. and Eastern Canada. The signal is, of course, via sky-wave and not free from fading. Your report of interference from WISM, Madison, Wisconsin would be most reasonable. Actually, we protect WISM with our pattern shape in this immediate area.

We are RCA-equipped throughout. The antenna array is a 5 tower affair, each tower being 160 feet in height. Each tower has 120 underground wire radials. The antenna system is fed from the transmitter via two power phasing units, one for day, the other for night. From this we establish the necessary current phase relationships to shape the transmitted signals. Each tower has, of course, the attendant "dog-houses", being sheet cabinets containing impedance-matching networks and terminations for power, RF and inter-com.

If you ever happen to come to our area, you are most welcome to stop in and we will show you the operation. In the meantime, our thanks again, and best wishes from the staff of WGSB for a most joyous Christmas season and happy 1962.

Very truly yours,



Howard L. Enstrom, Ch. Engr.

SERVING THE FOX RIVER VALLEY