

# WWVA

Basic Communications, Inc. Hawley Building Wheeling, W. Va. 26003

## Radio 1170

June 20, 1967

Mr. Ernest J. Wesolowski  
1416 Pasedena Avenue  
Omaha, Nebraska

Dear Mr. Wesolowski,

Thank you for your complete report on reception of WWVA at your home. This reply is rather late since we have a girl at studios that sends out verifications, then forwards the letters to me a batch at a time! I am happy to confirm your Reception Report #67-89.

I am surprised that you were able to pick us up at all - we have a cardioid shaped pattern with a 150° null on side toward KVOO. This is presumed to protect their secondary coverage area. We use three 400 foot self-supporting towers with a 1-2-1 ~~current~~ <sup>current</sup> ratio and 90 degree electrical spacing to produce a strong lobe towards New England and Eastern Canada. We get fair reception reports from Europe except when an English pirate station, "Radio Caroline North" operates on 1169 kc. KVOO uses a similar antenna, but with guyed towers. They afford us complete protection in our "clear channel" service area.

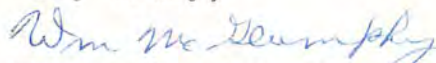
Your loop antenna is undoubtedly the only practical means of sorting out stations on the same frequency. Do you use a "broken shield" and shielded leads directly in to the set? We have two Beverage (long-wire) antennas here that are used to pick up WHAS, Louisville 24 hours a day for teletype relay purposes and they are very directional. When you tune across the band there is a station every 50 kc instead of ten kc!

We drove by Omaha summer year ago on our vacation so I can verify that we do not come in well there! I kept one push-button on 1170 but did not pick up WWVA until we reached Chicago, and then it was pretty poor!

Our water-cooled RCA 50-D Transmitter is located at Hell's Kitchen, Ohio (near St. Clairsville), eight miles west of Wheeling. It uses the Dougherty high-efficiency (62%) final amplifier with 18,000 volts at 4.4 amps on two 862-A tubes. Their tungsten filaments consume 207 amps apiece, at 33 volts single-phase AC.

WWVA Transmitter  
Route 4, Box 37A  
St. Clairsville, Ohio  
43950

Very truly,



Wm. McGlumphy, chief engineer.

**THE ONLY 50,000-WATT RADIO STATION IN THE "GOLDEN VALLEY"**

WWVA

*Radio*

May 16, 1967-

Dear Mr. Wesolowski:

This will verify report of reception from Radio Station WWVA in Wheeling, West Virginia on May 8, 1967.

We hope you will continue to listen to "THE BIG COUNTRY" SOUND OF WWVA SERVING "THE BIG COUNTRY."

WWVA RADIO

THE ONLY 50,000-WATT RADIO STATION IN THE EASTERN UNITED STATES