

**WELR**  
ROANOKE BROADCASTING COMPANY

ROANOKE, ALABAMA

April 20, 1950.

Mr. J. W. Brauner,  
23 Howard Ave.,  
Williamsville, 21,  
New York.

Dear Mr. Brauner,

Thank you very much for your nice letter of April 15, concerning your reception of our station between 2:45 and 3:00 at your home northeast of Buffalo, N. Y.

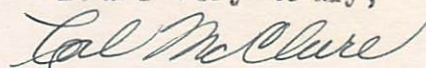
It so happened that the time you were listening to WELR, I was doing some tuning and service work on my transmitter, and working on the console.

As you are an Amateur, I know you will be interested in the type of equipment we have here at WELR. Our transmitter is a Western Electric 443-A1, using the Doherty amplifier in the final. It uses four 357-A's, sets of two in parallel, working as a Doherty Amplifier. As you know, the Doherty uses one tube, which is operated class B, and the other, operated class C, the class B tubes carry the carrier power, and the extra power for modulation peaks is supplied by the peak tubes, biased class C. The circuit is very critical, and is hard to tune and adjust, or to keep in tune.

In addition to my duties as Chief Engineer, I am also an announcer, pulling a regular announcing shift in the afternoon. We seem to be putting a signal into your section of the country rather consistently, as we have a lot of reports out of that part of the country. However, yours is especially appreciated, and we are keeping it for special purposes.

Thanking you sincerely for your consideration and your nice letter, we remain,

Yours very truly,



Cal McClure, CE,  
Radio Station WELR,  
Roanoke, Ala.