

## Statesville Broadcasting Company, Inc.

P. O. BOX 1189—RADIO ROAD  
STATESVILLE, NORTH CAROLINA

May 6, 1947.

DR. JAMES W. DAVIS,  
President  
L. A. PARKS,  
Vice-President  
LYNN CASLER,  
Secretary-Treasurer

Mr. Kermit Geary,  
Route 3,  
Walnutport, Penn.

Dear Mr. Geary:

Thank you very much for your nice remarks about our station. We have worked hard to make it what you say we have. I wanted to answer your letter sooner, but it seemed that I just could not do it. We had some bad luck the morning that you heard us. The HV plate transformer shorted and put us off the air at 3:28 AM. It was Thursday morning of the next week before we could get back on for test. We had to have it rewound.

I know you are interested in the equipment we have so I'll give you some dope on it. We have a Temco Model 250 GSC Communications Transmitter, modified for Broadcast service. We also have a REL Console and a Raytheon RL-10 Limiting Amplifier. Our tower is a triangular welded, uniform cross section Fisher 275 ft. high. On top of this guyed tower is a REL Model 642 3-bay FM Antenna which is 14 ft. and 11 in. above the top of the AM tower. Our FM station WSIC-FM is 96.5 mc. 1000 watts power. We use an open-wire transmission line to the tower and the same to the top of the tower to the REL Antenna. The FM coupling unit I made up of copper  $\frac{1}{2}$ " tubing—two section 3" apart on centers and shorted at one end with the transmitter line to one section and the FM Antenna line to the other. These two sections are about  $\frac{1}{8}$ " apart. Our antenna resistance measured 900 ohms without the FM coupler—with it 285 ohms.

Before I forget it, I want to confirm the fact that you were listening to our station WSIC when we were on the air for frequency check.

Cordially yours,



T. K. Abernethy,  
Chief Engineer