

Lakes Area Broadcasting Company

1570 ON YOUR DIAL 1000 WATTS CLEAR CHANNEL

FIFTH AND SOUTH MILL

PRYOR, OKLAHOMA

Jan. 24, 1957

L. L. GAFFANEY
MANAGER

David F. Thomas
Radio WUMS
Proctorville, Ohio

Dear Sir:

Sorry to be so slow about answering your letter of Jan. 5, but I've been up to my neck piddling with buying and getting installed a mess of Motorola mobile news and pickup equipment. I'm enough "ham" so I don't hold with buying anything that I can build just as good, so I've been fabricating antenna towers, and other junk for the rigging. Will have two modified motorola car units and one base station when I finally get it finished. Will work in the 150-170 mc section of the spectrum.

When you heard us first in 1951 we were operating on the same frequency but with only 250 watts. In July, 1955, we succeeded in convincing the Commission that we needed 1,000 watts and went to that power on our 5th birthday, July 3, 1955. We have had several reports from Cleveland, Cincinnati, Unionville, etc., in Ohio and several from Pa. N.Y., Md., and Canada. One of the announcers is from a small town near Des Moines, and his mother and father listen to us practically continuously. Also have several consistent listeners in Omaha and other Nebraska cities.

If you make another trip into this area this summer, consider this as an urgent invitation to stop and bat the breeze with us. I'd like to see your mobile equipment and find out how your job works.

We built our radiator very carefully and our site is 4 acres of terraced, slough-bottom land which stays wet because of a small artesian well-fed creek. Tower is shunt fed and is 208 feet high, leaving me $\frac{1}{4}$ wave above the slant-wire tap. It has an impedance of 77 ohms. The feedline is 1260 feet long and represents a major engineering problem, as it crosses US Hwy 69, the main line of the MK&T RR and a sectionline road. It is a 3-wire open line with the hot lead a No. 4 soft drawn copper wire. I made the insulators from polyethylene tubes $1\frac{1}{2}$ inches in diameter and then mounted them on highline drive-in insulators. Line is 96% efficient.

Sincerely yours, and come visit us,

L. L. Gaffaney
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L. L. Gaffaney, Chief Eng., Licensee, Manager,
Janitor, Plumber, etc., and I'm not
kidding.

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