



City of Lafayette

Indiana

Department of Police

May 8, 1944

WILLIAM F. TAYLOR
CHIEF

S. R. FLACK
CAPTAIN

J. V. WEINHARDT
LIEUT. IDENT. AND REC. BUREAU
SECRETARY



BOARD OF POLICE
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PRESIDENT

WILLIAM M. CLARK
ELMER M. HEINMILLER

Mr. Kermit Geary
K.F.D. #2
Walnutport, Pa.

Dear Sir:

This is in reply to your letter of May 3rd, in which you requested confirmation of our transmissions, which you logged. I have checked our radio log and found, to my surprise, that you have logged our transmissions quite accurately. I have also checked with the radio operator on duty at those hours, Officer Arthur Bailey, who also checked the log and will confirm my statements.

Our transmitting equipment consists of a 200 watt, composite built amplitude modulated transmitter on 2490 Kc. A pair of 805's in push-pull, modulated by a pair of push-pull 203Z's feed into a 5/16" concentric line, approximately 150' long to our radiator atop the city building.

The transmitting antenna itself is a 165' Wincharger tower, with its base approximately 40' from the ground level. The ultra-high frequency receiving antenna is atop the medium frequency transmitting antenna which extends the total height of the tower to 182'. This makes the radiator slightly longer than half wave for our frequency.

The two-way car transmitters are also of the composite type, consisting of a pair of 6N7's as speech amplifier and modulator, with the RF end starting off with a 6E6 crystal oscillator at 15290 Kc, using the second triode section as a doubler. This is link coupled into an 807 which supplies 15 watts RF at 30,580 Kc into the 1/4 wave fishpoles on the cars.

I wish, at this time, to thank you for displaying such interest in the monitoring of our transmissions, and also for taking the trouble to inform us of the results achieved.

I will be all too glad to answer any further questions you may have in regard to our equipment or methods of servicing and operation.

Hoping to hear from you at some future date, I am,

Very truly yours,

Harry C. Garba
Lieutenant of Communications