

January 17, 1983

Kermit Geary
1266 Riverview Drive
Walnutport, PA 18088

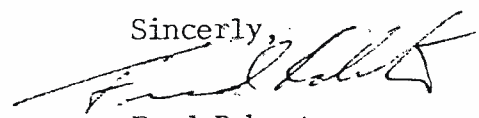
Dear Sir;

I am happy to confirm your listening report of December 24, 1982, Christmas Eve. I was even happier, although surprised, when I checked the Operating Log, and verified the fact that WAME changed patterns at the correct time (5:15 for the month of December Day to Night).

WAME operates on 1480 with 5,000 watts day and night, DA-2. Our daytime pattern looks like a figure 8, with a fatter bottom than top, and the sides are not nearly as compressed as a figure 8 would be. Our nighttime pattern is the nightmare. The pattern is virtually eliminated to the north (there are 5 minor lobes and 6 nulls, the deepest null being on the shoulder of the major lobe, and having no more than 10 watts in it). WAME uses a four tower in line array, and uses all four towers, day and night. In fact, one tower in the night pattern is a negative tower. This means that that tower is receiving the signal from the other towers, and feeds it back into the system, to be redistributed. In our case, that fourth tower has about 250 watts in it, that gets redistributed.

Again, I am happy to confirm your listening report, and the comments about the audio quality were greatly appreciated. If you hear us again, drop us a line, or if you are in Charlotte, please stop by.

Sincerely,


Fred Roberts
Chief Engineer

Kermit - here is a copy of the letter I originally sent to you. Hope you get this one - APR

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