



KOWBoy radio, inc.

P. O. BOX 1290

LARAMIE, WYOMING

AREA CODE 307

745-4888

March 6, 1963

Mr. David F. Thomas
Radio WUMS
Proctorville, Ohio

Dear Mr. Thomas

Thank you for your DX report of February 27, 1963. We are pleased to verify your report.

KOWBoy Radio operated with two different antenna systems on the night of the test, both derived from a three-tower in-line array. The first one hour of broadcasting of the special program (1:00-2:00 AM MST) was conducted with a power of 1,000 watts with all three towers excited to obtain the pattern normally used in our night-time broadcast operations. The second hour of the program, upon which you reported, was conducted with only the two end towers excited and with a power of 5,000 watts. This obtains our daytime broadcast pattern. Our elevation at the base of our southwest tower is 7,200 feet. Our towers are 80° in height and are spaced 90° with power distribution and phasing arranged as necessary.

For your information, members of the KOWBoy Radio staff of engineers made field intensity measurements during this DX broadcast and found our radiation strength to be with 0.5% of specifications. Since we accomplish a very high degree of efficiency with our new sky-wave suppression engineering, you may be quite proud of logging KOWB.

John P. Tucker

John P. Tucker
Chief Engineer