

DAVID F. THOMAS  
LONGWAVE LISTENING POST  
RADIO W. U. M. S.  
PROCTORVILLE, OHIO, U. S. A.

Radio Station W B N L  
c/o Chief Engineer,  
Boonville, Ind.

CONFIRMED  
*W. E. Sandau*

Dear Sir:

I had the pleasure of hearing your station here and I thought perhaps this report might be of some interest to you. If this reception report is appreciated and correct, will you please confirm the reception of this letter, and verify my reception of your station. Postage is enclosed for your reply and letter of verification. Also, any other data about your station, or any comments you care to send will be appreciated and welcome too. Many thanks in advance for this courtesy and favor.

RECEPTION of Radio Station WBNL on 1540 kcs. Transmitting a sign-on broadcasts & program  
on Sept. 21 & 22 19 59. Time 6:00 to 6:30 a. m. - ~~PM~~ E.S.T. ( \_\_\_\_\_ G.M.T.)  
Readability 75 % At sign-on Cause WIFM  
Signal Strength: (S 5). Using 1/2 R. F. 1/10 Audio Gain on Speaker ~~Phone~~  
INTERFERENCE { Atmospherics (QRN) nil } Level of Distance in ration of  
{ From Stations (QRM) heavy } Maximum Transmission efficiency \_\_\_\_\_ %.  
Weather clear Temperature 65 ° F. Barometer 29.8 Falling - ~~Rising~~  
Average Overall Rating of your Reception was Fairly good.

RECEIVER USED: Hammarlund Super Pro (ASP-200-SX) (x) National ( ) Racal - RA17C ( )  
Regular Car Receiver ( ) with a Gonset F. M. Converter ( ) Diamond "V".  
AERIAL USED: End fed single straight-wire 160 feet long x 35 feet high (NE-SW) ( ) Vertical ( )  
GEOGRAPHICAL LOCATION: On banks of the Ohio River where Ohio, West Virginia and Kentucky meet. Alittude:  
555 feet. Latitude 38° 26' 14" N. Longitude 82° 22' 57" W.

GENERAL COMMENTS

We are starting to check the conditions around 1540 kc/s for the next 2 weeks solid, getting ready for a test from RADIO TCHAD (1538 kc/s) during the eclipse of the sun on October 2nd., 1959 in Africa and over the Atlantic ocean.

Your station has been well heard at sign-on, during some of our checks, with heavy interference from WIFM. Monday you signed on with headline news from Cuba and the temperature there was 68. Devotional program follows. We stop checking 6:30 a.m.

Thought this report on how you were getting out might interest you.

Postage is enclosed however, for we would appreciate along with you confirmation of this report your schedule of sign on for October i.e. for first 3 days in it. Any new sign-on, if we are checking TCHAD, (1538 kc/s) could cause some change and that is the reason for this interest. If it remains the same 6 a.m. EST it will have no effect what-so-ever upon TCHAD's signal if heard as test be over by then.

Hope to hear from you, and thanks in advance for this data, and also any comments you care to make. You are getting nice signal out with your 250 watts but WIFM is making it hard on you, as he is nearer us, airline than you.

Yours very truly,

*David F. Thomas*

KXEL is the one that I'm afraid of, if he comes on, as our aerals has him on backside, and 50kw. might sneak thru and slop over.