

# KWIL

ALBANY - - OREGON

VERIFIES REPORT OF RECEPTION

Date Heard JANUARY 31, 1955, AT 4:10-4:30 ~~P.M.~~ A.M. .P.S.T.

~~XMTR—RCA, 250-K—Antenna 190 feet.~~  
CONTINENTAL 1-KW

POWER USED, ~~250~~ Watts  
1000

~~1240~~ KCYS.  
790

Radio Station KWIL,

By H.C. Davidson, G.E.

~~Regular Test Period 2:00 to 2:15 A. M., P.S.T., Third . . . . . Each Month~~

# KWIL

AM - FM

MUTUAL-DON LEE • CENTRAL WILLAMETTE BROADCASTING CO.  
QUEEN AVENUE AND ELM STREET      PHONE 1234

R. R. CRONISE, PRESIDENT  
G. L. JACKSON, SECY-TREAS.  
CHET WHEELER, GEN. MGR.

*Albany, Oregon*

February 5, 1955

David F. Thomas  
Radio WUMS  
Proctorville, Ohio

Dear Mr. Thomas:

I'm sorry that our tests didn't reach out to the membership of the NRC as we would have liked them to. KWIL operates with a DA-2 directional system, one pattern for day and another for night. During our December test we operated the first half of the test on day pattern and the second half on night pattern, and from the reports we found that the day pattern did a slightly better coverage job. For the January test we used the day pattern only.

It is difficult to estimate with accuracy the radiated signal toward any particular area of the nation due to minor "sky" lobes of power which might affect reception conditions, but the radiation along the horizon toward the East does not exceed 100-watts of power and drops as low as 18-watts. In spite of this fact however, we received reports on our first test from as far away as Maryland although results were pretty spotty and as you recall, there was heavy interference that night. Results to date on the second test tend to point toward even poorer reception. Perhaps we can try again next season and have better results.

As to our December 20th test, I was in error as to that Blue Danube business, as I see by re-reading your report. However, your report shows the station that was thought to be us remained on the air and had a tone for modulation between 4:35 and 4:40 AM. Our records show that we cut the carrier at 1:34 AM and had modulation right up to that time. As to January 31st, I am sending a verification for this date, although you did not include positive identification of the program material.

Many thanks for the two reports you sent to us. You might be interested in knowing that although our reception is poor to the east, our signal is bringing in some excellent reports from down under, as our major lobe of power is beamed toward the South-West. In fact, we have considered using the array for reception from the New Zealand-Australia area as it should work well on frequencies close to 790-kcs. Good hunting to you.

Sincerely,

  
Herb Davidson, C-E