



TELEPHONE 1640

WEST BEND, WISCONSIN

AUGUST 2, 1951

MR. ERNEST R. COOPER, EDITOR
NATIONAL RADIO CLUB
438 EAST 21ST STREET
BROOKLYN 26, NEW YORK

DEAR MR. COOPER:

THANKS FOR YOUR SECOND LETTER OF JULY 23, 1951. IN DIGGING BACK THROUGH MY FILE I FOUND YOUR UNANSWERED DX REPORT LETTER FROM OUR FIRST EQUIPMENT TEST OF OCTOBER 26, 1950.

YOUR LOG OF MUSIC AND TIMES IS CORRECT WITH OUR EQUIPMENT TEST LOG AND MUSIC SHEET.

WHAT SEEMED TO BE MODULATION TROUBLE WAS MERELY REMOVING MODULATION FOR RETUNING AND WHILE BEING RETUNED THE SIGNAL NATURALLY WOULD DECREASE PROPORTIONATLY TO THE ANTENNA CURRENT. ALSO ON THE HIGHER FREQUENCY END OF THE BROADCAST BAND WHERE WE ARE (1470 KILOCYCLES) LOCATED, THERE IS BOUND TO BE SOME Q S B AS IS COMMON AT THAT TIME OF THE YEAR. THIS CONDITION EXISTS SIMILARLY ON THE AMATEUR 160 METER BAND.

THE POPULATION OF WEST BEND ACCORDING TO THE 1950 CENSUS IS WELL OVER TEN-THOUSAND. THIS INCLUDES BARTON, WISCONSIN WHICH IS RIGHT NEXT DOOR TO US. WEST BEND DERIVED ITS NAME FROM THE NAVIGABLE PART OF THE MILWAUKEE RIVER WHICH AT THE POINT WHERE THE FIRST PARTS OF WEST BEND WERE SETTLED, THE RIVER MAKES A BEND WEST FROM NORTH OF ABOUT $3/4$ OF A MILE. THE WEST BEND ALUMINUM COMPANY IS NOW LOCATED ON THAT SITE.

W B K V IS A 500 WATT STATION ON A REGIONAL CHANNEL. WE OPERATE DAYTIME HOURS ONLY, NON-DIRECTIONAL. WE ARE COMPLETELY EQUIPPED WITH GATES RADIO COMPANY EQUIPMENT. OUR ANTENNA IS 190 FEET HIGH AND FED 40 FEET FROM THE GROUNDED BASE. THIS IS KNOWN AS A PARALLEL OR MORE COMMONLY A SHUNT-FED ANTENNA. THERE ARE SIX OF THIS TYPE IN USE IN WISCONSIN. FREQUENCY CHECK FOR W B K V IS GIVEN ON THE FIRST MONDAY OF EVERY MONTH AT 0900 HOURS CST BY BROADCAST ENGINEERING OF OSHKOSH, WISCONSIN. TO DATE WE HAVE NO REGULAR SCHEDULE OF TEST PROGRAMS. HEIGHT ABOVE SEA LEVEL AT THE BASE OF OUR ANTENNA IS 880 FEET. MAXIMUM READABLE SIGNAL FROM W B K V AT NOON IS AT A DISTANCE OF 60 MILES (RADIUS) FROM ANTENNA. MAXIMUM DISTANCE SIGNAL CAN BE HEARD AT NOON IS 105 MILES. SIGN ON WEEKDAYS IS AT 0530 CST AND 0800 CST ON SUNDAYS.

THANKING YOU AGAIN FOR YOUR LETTER, I REMAIN

VERY TRULY YOURS .

Earl Apple C.E. (W9SIZ)