

1340 Kc.

WGAW

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4 PLEASANT STREET
GARDNER, MASSACHUSETTS

January 21, 1954

Mr. Ernest R. Cooper
Dear Mr. Cooper,

We have checked the information given us in your recent letter and are very happy to verify your reception of our special test program broadcast from 4:15 AM to 4:48 AM, Monday, January 18, 1954.

WGAW is one of the KBR Stations of New England and operates with a power of 250 watts on a carrier frequency of 1340 Kcs. We are affiliated with the American Broadcasting Company and carry all the important ABC programs, together with local sports and events, plus disc jockey presentations. Regular operating time is from 6:30 AM to 11:30 PM.

The transmitter is a General Electric BT-20-A Broadcast Transmitter with two 125 watt tubes in the final using high level modulation. Antenna is a 150 foot tower, uniform cross section, series excited. Ground system consists of 120 radials 150 feet long of buried copper wire.

Operation of the transmitter is entirely by remote control from our studios located in the heart of the business district of Gardner, Massachusetts. Remote control equipment was manufactured by the Rust Industrial Company of Manchester, N.H., and enables us to turn the transmitter on and off, read all necessary meters, turn controls up or down to adjust voltages, antenna loading, switch circuits for network programs, etc. A telephone type dial, one switch and one meter comprise the controls at the studios. In case of failure of the control circuit the transmitter is shut off within three seconds.

Your report of the reception of WGAW is greatly appreciated, and the response to the program has been far beyond our expectations. To date we have received letters from listeners as far south as West Virginia, west to Nebraska, and north to Northern Quebec.

40 letters so far.

Florida

Very sincerely yours and 73c

Gordon V. N. Wiley

GORDON V. N. WILEY, Engineer
(Also operator of WIAUN since 1927)

him
P.S. Gardner was named after an early settler. Population about 20,000, manufacturing furniture mostly, stoves etc. Change to 1340 was tried for about three years before we obtained permission and call letters were changed at same time. 1340 gives better coverage and less interference and eliminated interference locally on small super hits that were tuned to WTAG on 580Kc over 51

When on 1490 the local oscillator in a
super het ~~was~~ tuned to 580 KC would
be on .936 KC. Our signal on 1490 would
beat with this 936 KC oscillator and the
difference frequency of about 454 KC would
put a terrific "squel" on WTAG. WTAG
is one of the most popular stations in
this area, aside from WHOB-WGAW, of
course, and we are very happy to eliminate
the trouble on WTAG's frequency.

This interference would not show
up on sets having one or two RF stages
but most receivers do not have RF
stages.

WHOB was named after one of the original
bakers Mr. Owen Hoban, a very fine
and respected lawyer. He has since passed
on and we have more or less completely
reorganized the set up here, including
new studios etc.

Sorry we haven't a coverage map
available to send to you but we get very
fine reports as far as Framingham, Mass.,
towards the East, way beyond Athol to the
West and a considerable distance up into
New Hampshire.

We have no early morning check but
RCA on Long Island measures our frequency
as required. Our regular day runs from
6.30 AM to 11.30 PM except Sundays from
8.00 AM to 11.00 PM

Sincerely

Gordon Wiley

P.S. I would appreciate a
copy of any bulletin etc mentioning WGAW.
T.M.S.