



WORLD'S TOBACCO CAPITAL WINSTON-SALEM, N. C.

December 15, 1953

Mr. David F. Thomas  
Longwave Listening Post  
Radio WUMS  
Proctorville, Ohio

Dear Sir:

This letter will confirm your reception of WTOB on August 29, 1953 as stated in your report of that date.

In regard to your comments about WTOB and WLCS being on the same frequency and located so closely the following may be of some help.

WTOB uses four towers spaced  $100^{\circ}$  apart and on a line bearing  $131^{\circ}$ . They are series fed and are each 195' feet tall. However, during daytime 5KW operation we are non-directional using only tower 3. I do not know that the mountains form any natural barrier but I have noticed that our signal fades out more quickly when I'm driving in that direction than in a southern or eastern direction. The ground conductivity is also poor to the west of here. That of course is a barrier.

I thank you for your interest and remain,

Yours truly,

*Allan C. Godwin*

Allan C. Godwin, Eng.

**CBS—MUTUAL  
5000 WATTS**