

# **WLS** TALKRADIO 890AM

**190 N. State Street, Chicago, Illinois 60601**

01-27-91

Mr. Carl Mann  
6711 South 139 Avenue Circle  
Omaha NE 68137

Dear Mr. Mann:

This is to verify your reception of WLS radio on 4:18 a.m., CST, March 31, 1990.

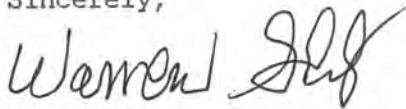
WLS is one of twenty-five Class I-A stations in the United States and operates with 50,000 watts on 890 kHz with a non-directional antenna on an unlimited schedule. When propagation conditions are good, WLS is frequently heard in Europe and Central America, as well as all 50 states, Canada, and Mexico. The FCC protected nighttime service contour of 0.5mV/m, 50% of the time, serves over 30 states and Canada. The daytime groundwave 0.5mV/m signal reaches five states and the 0.1mV/m contour reaches seven states.

WLS operates with a non-directional antenna, day and night. The main antenna in use today at WLS was built in 1938. The design was optimized to minimize the selective fades that occur in the distant ground wave coverage areas between the skywave and groundwave signals. The antenna stands today as it was originally designed. It is 179 meters tall - just a little over one half wavelength.

The WLS transmitter site is located in Tinley Park, Illinois, some 42 kilometers south and slightly west of downtown Chicago.

Thank you for your interest in WLS, good luck and good DX in the future.

Sincerely,



Warren Shulz  
Chief Engineer  
WLS Radio

00018