



October 5, 1982

Mr. Ernest R. Cooper  
National Radio Club  
5 Anthony Street  
Provincetown, MA 02657

Dear Mr. Cooper:

Please accept this letter as confirmation of your reception report of September 13, 1982.

It's always a pleasure to receive such reports. Such reception is always of interest to the entire staff.

Our transmitter is located in Meriden (West Peak State Park). The site is over 1000 feet above sea level. Our actual radiated power is 14.5 kiloWatts, which, at our height, is equivalent to 50,000 watts at 500 feet (the class B FM reference standard). Our studios are in Hartford, some 16 miles to the north. We maintain a microwave link to get our programming to the transmitter site.

You may be interested to know that the music you heard was from our recently-installed satellite R.O. (receive-only) earth station! The music originates in master studios near Chicago, is uplinked from there to the Satcom 3-R satellite some 23,000 miles over the Pacific Ocean above the equator. It is then beamed back to earth, where we receive with our 16-foot dish antenna (picture enclosed).

We then mix in our local news, spots, etc., before sending the completed programming to the transmitter site.

So, as you see, the music you heard travelled over 50,000 miles to get to your receiver...now that's DX!

Thank you for your interest in radio.

Sincerely,

James Perry  
Chief Engineer  
WKSS 96FM

JP/clr  
Enclosures

WKSS 96FM, 60 Washington Street, Hartford, CT 06106 (203) 243-9577