

12/12/91

Dr. Tomas E. Gergely  
National Science Foundation  
1800 G. Street, N.W.  
Washington, D.C., U.S.A.

Dear Dr. Gergely:

This note is prompted by your article on pages 79-81 of report about Crystal City conference 1990. During past couple of years I've examined vast quantities of north american ionospheric data. The ionosphere is most transparent to low frequencies in region around Prince Rupert B.C. in Canada. Near solar activity minimum  $f_oF_2$  frequently drops to range 1.2 to 1.0 mc during early morning hours. This seems to be northern hemisphere equivalent of Tasmania.

I'm in contact with people there for purpose of setting up a radio astronomy observing station at next solar activity minimum. Since these frequencies are in Broadcast Band, good protection will be needed. Most BC stations use hours midnite to dawn for working off public service time. I'll need one, or better two adjacent, clear channels. I propose to have these stations go off air for radio astronomy observations. The stations will be credited with public service time. I think station management will grasp such opportunity to reduce staff and power bills during these.

Apparently there is to be a WARC conference to be held next year. I'd like to make this proposal before such conference. Please let me know how I can go about the matter, and where conference is to be held. If individuals cannot represent themselves, would your organization front for me? I can supply much further details on request.

Your consideration, comments, and suggestions will be greatly appreciated. I am,

Very truly yours,

*Grote Reber*  
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1/22/92