



NATIONAL RESEARCH COUNCIL  
CONSEIL NATIONAL DE RECHERCHES  
CANADA

CABLE ADDRESS "RESEARCH"  
ADRESSE TÉLÉGRAPHIQUE

PLEASE QUOTE FILE NO. ....  
NO. DE DOSSIER À RAPPELER:

OTTAWA 2,

Sept 2<sup>nd</sup> /64

Dear Grote,

I have delayed writing this letter so that I could telephone Ted Harty upon his return from a trip to Europe; in part attending the I.A.U. meetings. I discussed some of the questions you asked in your letter. Harty has changed his interest from the galactic noise to the solar noise bursts on the satellite records. The quiet sun is lost in the galactic background and only the bursts come through. The time delays seem to be indicative of velocities of the order of  $1/10 c$ . Nelms is still working on the ionosphere data and I gather that the general picture has not changed much since you were writing. The trough is extensive E.W. but can move in latitude - perhaps as much as  $5^\circ$ . Harty thought the ground based ionospheric records would give you the idea or data you wished. The satellite experiment between NASA and DRB is a co-operative one and there has been no financial considerations one way or the other. D.R.B. made the satellite, NASA provided the launch and certain telemetry facilities. Harty will contact Nelms again to see what has been done. He suggested writing a letter again and would like to hear more details of your work.

There is now a co-operative undertaking between the Dominion Radio Astrophysical Obs. (Locke) and Cambridge (Ryle) to erect a large 11 mc antenna

antenna at Pentteton B.C. - and the work has already started. There is already a 22 mc array (a Tee) in operation by Costain at Pentteton (White Lake is the site about 15 miles from Pentteton.) Before setting up, Ryle sent a party to Resolute in northern Canada last year headed by Scheuer and Chris Purton. Purton is now at D.R.A.O. while Scheuer I believe is in Cambridge. Both Locke & Ryle have been asking the same questions you have been and decided that the advantages of Pentteton far outweighed any other advantage at Resolute.

We have finally obtained a second solar patrol which is now operating at D.R.A.O. & have enclosed our announcement of its coming into service

With best regards,

Arthur Covington

P.S.

address of Dominion Radio Astrophysical Obs.  
is P.O. Box 248  
Pentteton B.C.

Dr. J. A. Galt is officer-in-charge and there is an 84' dish doing 21 cm work.



