

7th July, 1964.

Dr. G. L. Nelms,
Defense Research Board,
Ottawa 4,
CANADA.

Dear Dr. Nelms,

About six months ago we had some correspondence about the Alouette satellite top side ionosonde. Since then matters have progressed apace. Now I am wondering what additional northern hemisphere data you have. In particular, I am interested to learn about the trough near 45° north latitude. How far does it extend east and west of 75° west longitude and how does the latitude vary with longitude? How does its position, width, depth, and occurrence vary with the time of night, seasons of the year and solar activity? These are all matters of considerable importance in planning future radio astronomy experiments.

Your consideration, comments, suggestions and copies of any bulletins, reports, graphs or memoranda will be greatly appreciated by me.

Yours faithfully,

Grote Reber.

GR:MER