

23rd October, 1964.

Dr. G. L. Helms,  
Defense Research Board,  
Ottawa 4, Ontario,  
CANADA.

Dear Dr. Helms,

Thank you for your interesting letter of the 15th. I predict the Maudrew report will say the ionospheric trough is present seventy per-cent of winter nights (November thru February). It will vary from 3 to 18 degrees wide centered on latitude 42° North at longitude 90° East. It will curve northward to latitude 55° at longitudes 60° and 130°. The width will decrease into range 1° to 5°. The persistence will decline to thirty per-cent of nights. I await this report with interest.

In the mean time please send a list of dates when Alouette observations are available over Tasmania. I will pick out ten for further analysis when I secured interesting results.

Yours faithfully,

G. Baker.

GR:JEG