

,Tasmania
Australia

10 September 1955

Chief, Ionosphere Service
Ministerio De Marina
Republica Argentina
Buenos Aires, Argentina

Dear Sir:

The turbulence of the ionosphere greatly affects the quality of the results secured by radio astronomy observations. This turbulence manifests itself as the phenomenon of Spread F on ionosphere sounders. During the last couple of years I have been analysing the Spread F observed at various places. It has annual and long term variations associated with the solar activity cycle. Furthermore, these variations are markedly different at various places on the earth.

The purpose of this letter is to inquire whether or not any studies of Spread F have been made in Argentina. If so, I would appreciate receiving copies of whatever the findings may be. If not, I would like to secure a complete set of your bulletins giving hourly values of $f F_2$ since the inception of your station, or as far back as any Spread F notations are entered on the data sheets. I will then undertake to organize this material for comparison with my other studies. Upon receipt of a statement, I will be pleased to remit whatever the cost of the bulletins may be including air freight.

Your consideration of, and assistance on this matter will be greatly appreciated. Enclosed are a few reprints.

Very truly yours,

Grote Reber

GR:bm