

COMMONWEALTH OF AUSTRALIA  
IONOSPHERIC PREDICTION SERVICE

of the

COMMONWEALTH OBSERVATORY

DEPARTMENT OF THE INTERIOR

Telephone: BU 2511

Telegrams: IPSO, SYDNEY.

Ref. No. IPS/

~~ROBINSON ROAD,~~  
~~MILLERS POINT, N.S.W.~~

Box 801 H,  
G.P.O.,  
HOBART,  
Tasmania.

29th April, 1954.

*Arrive Wailuku, May 3, 1954*

Mr. G. Reber,  
General Delivery  
Wailuku, Maui  
TERR. OF HAWAII.

Dear Mr. Reber,

I am enclosing maps of Tasmania and Hobart. The positions of the two stations here are indicated in the right hand margin of the latter. This map shows the positions of near-by houses and main roads. My comments on your other questions are as follows:-

1. There are no loran stations in Tasmania.
2. The site is about 650' square and is orientated N.E.-S.W. It is flat and the land slopes gently upwards S.W. of it, ending in a row of hills a couple of miles away.
3. Land to the S.E. and S.W. may be used for extensions of the aeriols.
4. A concern in Hobart will provide and erect any number of poles 50' to 80' high, with stays etc. for about 40 - 50 dollars per pole. The exact cost may be obtained if the size and type of pole is specified.
5. The University has an R.F. bridge suitable for impedance measurements up to 6 Mc/s. This and other instruments may be borrowed from them.
6. There is provision in the customs regulations here for admitting equipment duty free providing that a written guarantee is given that it will be taken out of the country within twelve months. As this and other formalities can be settled more easily in Hobart, you could arrange in Sydney for your equipment to be forwarded to Hobart under customs bond. To obtain a definite ruling on these points you could write to The Controller of Customs, Customs House, Hobart.

7. I have written to our Head Office (5 Hicksen Road, Millers Point, N.S.W.) asking that Hobart hourly data for the past three years be sent to you if this has not been done already.

You may be interested in some details of the existing set-up here. The main station is a 700 sq. ft. building situated on an 800' hill a couple of miles south of Hobart. The staff consists of myself and one technician. We have the usual equipment of an ionospheric station, supplemented by close cooperation with the University. There is a radiophone network linking Hobart with stations at Townsville, Canberra and Macquarie Island. We also have a 12" astronomical telescope.

I will be engaged most of this year completing work on the propagation of waves through the Z hole. However, I can easily make arrangements for simple noise measurements over any period you might consider useful.

Yours sincerely,



(G. R. Ellis)