

18th April 1956
G.P.O., Hobart
Tasmania, Australia

Mr. Charles H. Schauer
Research Corporation
405 Lexington Avenue
New York 17, New York

Dear Hap:

Today a letter came from Millen & Co. about the Antenna Bridge. Thanks for taking care of this matter. I already had the 500kc coil they mention, but an extra one may come in handy.

Enclosed is a statement on financial matters which I find is the first one I've issued since last August. The trip around the world was pretty expensive but I think it was worthwhile and profitable as I had an opportunity to see what many others are doing, as well as meet people in person who had merely been names on articles or letters before. Enclosed are a couple of mementos of the trip.

The funds I would like sent here should be (according to the bank) an air mail transfer in my favor for credit to my account in the National Bank of Australasia at Hobart.

The remaining funds I would like sent as a check for deposit to my account in the Harris Trust & Savings Bank, 115 W. Monroe Street, Chicago 90, Illinois. I am not particularly anxious to recover this amount immediately if you don't happen to have it in the budget.

There is another small bill for ionosphere data which should be paid in dollars. Please have a check for sum of 36.00 dollars made out to the Instituto Geofisico de Huancayo and sent for deposit in their account to the National City Bank of New York at 55 Wall Street, N.Y.C.

The Teledeltos Tape arrived down here shortly after I returned and Mr. Newstead is very happy with it. Like many other things in Australia, it is nominally available thru an agent. However unless the agent is a good politician he cannot get any dollar credits, so he has no merchandise to sell. This situation is now even finding its way into items bought with Sterling Pounds. It seems the whole monetary situation is gradually decaying. This mornings paper quotes Commonwealth bonds of various issues just above 50%. These and various other things indicate that I should

fold up here permanently as soon as I've completed the present group of experiments.

This years experiments are to examine and try to detect for certain the Y hole in the ionosphere. This matter was discussed somewhat in my letters of 16th Sept. and 31st July 1955. The general scheme is to find a north-south valley about 1/2 to 3/4 mile wide and 400 to 600 feet deep. Then hang some long steel cables across the valley and install the electronic equipment in a shelter at the bottom of the valley. Nearly everything is either in hand or for delivery during the next six weeks. Measurements should begin late in June and I should have satisfied myself on this matter by the end of July. Then I plan to pack everything up and come back to American shores by boat.

Australia would be a much nicer country if it were easier to do business. Down here they have the British system of free enterprise which really is monopoly. Naturally business operations are sluggish, expensive and inefficient. Since the people don't know anything else, their only recourse is to favor socialism. On some things this has been tried but the results are also bad. Aside from a very few who have resided in America, no one really understands why productivity is so low. All the above, in some respects, explains the basis for social unrest.

Enclosed are three copies of a reprint about some of my results in Hawaii. Recently I learned that another article of mine entitled "World Wide Spread F" will appear in the June issue of Journal of Geophysical Research.

Thanks again for past favors. I hope the new National Radio Astronomy facility is rapidly taking shape. Presently I have no particular plans after I leave here. However we can better discuss the future when it is not so far away.

Best regards,

Grote
Grote Reber

*Sent 3 copies
Tropospheric Refraction in Hawaii
air plane ticket
Hotel Barclay bill*

Four Month Trip Around the World
November 1955 -- February 1956

Air Fare Sydney-New York-Sydney (enclosed)	1543.74
" Hobart-Sydney & return	92.68
" Honolulu-Maui & return	23.50
" New York-Ottawa-Chicago-New York	126.77
Cabs, Rental Cars, Busses & Porters @ 1.50/day	180.00
Hotels, Meals, Fone, Postage & Personal Expenses @ 12.50/day (sample enclosed)	1500.00
Total	<u>3466.69</u>

Experiments at Hobart
1st August 1955 -- 15th April 1956

Personal Expenses, estimated	675.00
Additional Mullard Band Pass Filters	553.14
Sample Collins Band Pass Filter	96.76
Rental Cars, Cabs, Busses, etc.	128.23
Air Survey for possible site	56.91
Transportation of goods	72.55
Two portable equipment shelters	362.50
6000 ft. steel wire rope for antennas	152.12
3000 ft. aluminum cable for down leads	65.84
Insulators and Cable drums	148.47
Small radio Parts and Batteries	272.68
Scientific Literature, Reprints, Maps, Postage, Bank charges, Taxes, etc.	145.22
Total	<u>2729.42</u>

Synopsis

Trip Around the World	3466.69
Experiments at Hobart	2729.42
Total	<u>6196.11</u>

Funds from Research Corporation	
31st July 1955	3500.00
12th January 1956	<u>1000.00</u>

Net Advance by Grote Reber	1696.11
Previous Advance by statement of 31/7/55	1135.29
Committments for goods still to be delivered	1800.00
Probable expenses to finish experiments in Tasmania (estimated)	1868.60
Total sum requested	<u>6500.00</u>

Sum to be sent to Hobart 4000.00

Remainder to be sent to Chicago 2500.00

18 April 1956 *Grote Reber*