

16th September
G. P. O., Hobart
Tasmania, Australia

Mr. Charles H. Schauer
Director of Grants
Research Corporation
107 Madison Avenue
New York 17, New York

Dear Max:

The last letter from Alfred Kelleher arrived here
some time ago with a check enclosed. Thanks very much. I will
put it to good use.

During the past couple of weeks I have gotten some positive
results at 300kc (500 meters). This energy seems to be arriving
via the extraordinary longitudinal mode which I have rechristened
the Y mode as it is rather similar to the Z mode in operation.
Now with the Y hole a proved thing these celestial radiations may
be traced down much farther in frequency. The lower frequency
limit is unknown as there is no theory on this matter. Apparently
the only limitation at present is the size of the antenna structures
which may be constructed.

At these low frequencies the antenna height should be several
hundred feet and possibly of a couple of thousand feet. Consequently
it is not economically feasible to erect suitable man made supports.
However this country abounds with hills and valleys. Thus, in
next years experiment I intend to string some light cables across
suitable ridges about a half mile apart. Most of my present
electronic apparatus may be used with some modifications.

Australia is cursed with a controlled economy and all the
resultant incidental shortages. It is most fortunate I brought a
lot of stuff along with me. So far I've been able to improvise
using local goods to supplement. Next year I will need foreign
goods in addition. Either I must order from England thru the local
representatives or buy from America. In the former case I run
afoul of all the restrictions, quotas, licenses, taxes and multiple
currency matters. It would be very uncertain whether or not I would
ever get anything, and if so, when and what. In contrast to this
matter I have secured an open ended arrangement which allows me to
import directly for my own use all manner of scientific apparatus duty
and tax free without regard to quotas etc. Enclosed is a list of
things I will need with estimated prices.

The goods are to be addressed as follows.

Greta Hobar
c/o G.E. Ellis, Interior Department
Hobart, Tasmania, Australia

The shipping documents are to be addressed as follows

Jack Turner
Telephones Services, Interior Department
5 Hickson Road
Millers Point, N.S.W., Australia

The overseas lines terminate in Sydney and Turner will send the documents to get the goods down to Ellis via coastal boat. I hesitate to bother you about these things, but they can be arranged much better from your end. While I am making a return trip at the year end these orders should be placed soon and not wait my arrival. If possible the goods should arrive here in Hobart by March 1st. I trust the expense will not overburden my account.

I find the cost of a round trip via the Pacific to N.Y.C. is at least as much as a trip around the world, namely about 1500 dollars (no sign). Thus I expect to spend about 3 months from the end of November to end of February getting about as follows:

1. Leave Hobart 25th November, Ar. Honolulu 25th November
2. Leave Honolulu 1st December, Ar. Chicago 17th December
3. Chicago 17th December
Stop at Chicago to see people at Ohio State
Stop at Washington to see Carnegie and NSF
Stop at N.Y.C. to see you and Robertson
Stop trip to Harvard and Ottawa to see Covington & Scott
4. Leave N.Y.C. 10th February, Ar. Manchester 5th Feb. to see Lovell
Stop at Manchester to see Lyle
Stop at London to see you, de Hulst and Curt
Stop at Paris to see Lott
5. Paris 20th February, Ar. Sydney 27th February

Probably I cannot fill in the above dates, but will keep you advised of my plans. By eliminating the construction at Seven Mile Ridge in favor of cables across ridges, adequate money is available for this trip.

Many thanks for all your past assistance and I will see you in person after the first of the year.

Best regards,

Greta Hobar

A considerably more desirable radio frequency bridge is one made by Marconi in England. It is Marconi R.F. Impedance Bridge type WKB 202/1. The cost is unknown but probably about the same as the General Radio bridge. Their address is

Marconi Instruments Limited
St. Albans, Hertfordshire
England

I would suggest that you contact them and offer to pay dollars if they will ship the bridge to me here for certain arrival by March 1st. If they will not, or cannot, then please buy the General Radio Bridge.