

3rd August 1962

Greetings Jennie:

Your letters of the 6th, 13th and 27th of July plus ticket all arrived promptly. Thanks very much for taking care of my affairs in a good manner.

When I get to NYC I'll examine all these reprints, articles and bulletins you have been listing during the past year. The one entitled "Radio Telescope Structures" by Jacob Feld particularly whets my curiosity. Please put it on top of the stack.

There is nothing new to report on Bothwell. I've been spending most of my time in Hobart. Apparently, my decision to build a filled in circular array instead of a cross was a good and lucky one. Recently I've examined some of the results secured with the 210 ft. dish at Parkes. These are so far in advance of anything possible with a cross that there is no comparison. I suspect that schemes involving aperture synthesis and gain exchanging are a mirage. See comments in fourth paragraph of my letter of 5th January 1962. I wonder how much the NSF is going to pump down that drain!

I found some extra copies of the reprints Yukio Hakura wants and will send them from here soon.

Please have the purchasing department try to find a supplier of metal foil 0.003" thick or less made of invar steel. I believe this is a fairly soft material easily rolled. Strips two feet wide would be desirable, but lesser width would be useful. Invar is not imperative; merely some metallic material with a low temperature coefficient of expansion. Perhaps samples may be secured for a nominal charge. This is for an invention not associated with Bothwell.

I'll write again before leaving for U.S.A.

Best regards,

*Grote Reber*  
Grote Reber