



National Research Council
Canada

Conseil national de recherches
Canada

Herzberg Institute
of Astrophysics

Institut Herzberg
d'Astrophysique

Dominion Radio
Astrophysical Observatory

Observatoire fédéral de radio
astrophysique

File Référence

Posted

December 2, 1981 35¢

Rec'd 5/1/82

Mr. Grote Reber
General Delivery
Bothwell, Tasmania
AUSTRALIA 7411

Dear Mr. Reber:

I have been meaning to write you ever since I arrived in Penticton in August with regard to your generous bequest of \$30,000 to the observatory in 1980. You may not be aware that John Galt has stepped aside as director of the Dominion Radio Astrophysical Observatory and has taken on the job of shepherding the "Canadian Long Baseline Array" through its design phase. I have taken over his position, having moved west from the astronomy group in Ottawa. (I had the pleasure of meeting you when you were there a few years ago.) John had waited until our transition before designating an appropriate project for the original bequest. I would now like to inform you that we are using those funds to add a 408-MHz facility to the existing 1420-MHz synthesis telescope at Penticton. This will provide us with a 3.5 arcmin beam and an image 7^o in diameter, and will be an extremely useful addition to our telescope. One will be able to observe simultaneously at the two frequencies so that spectral information for extended galactic objects will be easily obtained. Within the observatory we are already referring to this as the "Reber Facility" - currently the lowest frequency instrumentation that we are building. It is being constructed principally by two graduate students from the University of Alberta and the equipment is being financed from your bequest.

We are delighted that you have been so kind as to offer us a further donation of \$30,000, which of course we will be pleased to accept. I expect that it will be directed in some fashion towards the CLBI.

The CLBI now has the approval of NRC but still has not received funding from the government. A sum of about \$300,000 has been provided by NRC and NSERC, the government agency funding university research, for a preliminary

P.O. Box 248,
Penticton, B.C.
V2A 6K3
Telephone (604) 497-5321
Telex 048-88127

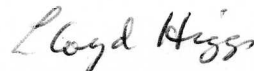
C.P. 248,
Penticton, C.B.
V2A 6K3
Téléphone (604) 497-5321
Télex 048-88127

design study. Contracts for this study have now been let to Canadian industry and John Galt is coordinating these efforts.

Dr. Peter Napier of NRAO, who incidentally hails from the Southern Hemisphere, has shown interest in coming to DRAO for a year to work on detailed CLBI design. Since NRC cannot at present provide extra positions, we may consider applying your donation to such a cause.

We would be terrible disappointed if you didn't visit us when you are in North America next April or May, and look forward to seeing you then. John Galt joins with me in sending our kindest regards, and thanking you for your generosity.

Yours sincerely,



Lloyd Higgs
Director