

NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

October 11, 1966

Rec'd 17/10/66

AIR MAIL

Mr. Grote Reber
Commonwealth Scientific and
Industrial Research Organization
Tasmanian Regional Laboratory
Stowell Avenue
Hobart, Tasmanian
AUSTRALIA

Dear Mr. Reber:

Please accept my apologies for not replying more promptly to your letter of July 21. Shortly after receiving it, I departed for a six-week interval in Europe where I visited several radio observatories and attended some symposia including the International Scientific Radio Union Meeting. Since my return, there has been such a press of activities that I have been delayed in my reply to you. Also, I have been inquiring from several sources to try to get some additional information for you.

You inquired as to whether we or some other agencies have received proposals to conduct radio astronomy experiments of thirty meters or longer wave lengths in the Great Lakes Region. I hasten to say that no such proposal has been received at the National Science Foundation. I have consulted with associates in other agencies and they mentioned the following. There has been, I am told, a proposal from a Dr. Zabriskie of the Pennsylvania State University to build an array to operate at twenty-five meters wave length and to study Jovian out-bursts. I do not know whether or not this has been funded. I do not believe so as yet. He is working under Professor John Hagan, who is now situated at Penn State. This does not seem to quite correspond to your area of interest but it is the nearest of any proposal that I have heard of. In addition, I can, of course, mention that there is low frequency work being done by the use of rocket experiments. A number of groups are involved although Professor Haddock at the University of Michigan has a well established program in this field. Also one could say that some of the ionospheric propagation studies and work related to geomagnetic pulsations might have a bearing on solar terrestrial astronomical problems. The programs in this area are presently being conducted by a variety of institutions. One might recall that a ten to twenty meter array has been built at the Canadian Radio Astronomy Observatory at Penticton with Dr. Costain in charge of it. These rather peripheral activities are all that I can discover and, in truth, none of these are very greatly related specifically to radio astronomy at longer than thirty meter wave lengths in the Great Lakes Region. I hope this information can be of some help to you.

Mr. Grote Reber

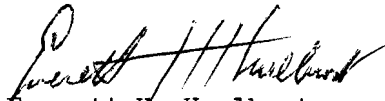
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You also mentioned studies being conducted by the National Radio Astronomy Observatory on a large array and on the concept of a large steerable dish. I would suggest, if you wish to be placed upon the mailing list, that you communicate directly with Dr. George Swenson now on leave from the University of Illinois who is leading the Very Large Array study at the National Radio Astronomy Observatory, while the study for the largest feasible steerable telescope is being lead by Dr. John Findlay. You may get in touch with both of these people by writing to them at the National Radio Astronomy Observatory, Edgemont Dairy Road, Charlottesville, Virginia 22901. This is the address of the scientific office of the National Radio Astronomy Observatory.

I was pleased to receive your reprints, I have already read the one in Science.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Everett H. Hurlburt". The signature is fluid and cursive, with a large initial "E" and "H".

Everett H. Hurlburt
Program Director for
Radio Astronomy