

7th Jun3 1963

Greetings Jennie:

Things are going well here. Observing conditions during May were somewhat better than April. A few nites produced eight hours of observations. I am organizing and tabulating my observations, but several months will pass before any deductions can be made. The discussion in second paragraph of my letter of 5th April is quite wrong. This background energy observed when the hole is closed consists of merely leakage thru the ionosphere. My installation is sufficiently good to detect less than one part in a thousand leakage. The exact mechanism whereby this leakage occurs is unknown. However being able to identify the phenomenon for its true nature is sufficient for my present purposes.

My beans have all been harvested. The weighing, counting and analysis will be performed this winter. Two of my potted plants from Flinders Island are sending out new shoots. The *Bowiea volubilis* is sending up a shoot which appears to be the flower stalk. Winter growth will be slow, but the plant may produce a flower by spring. I've been reading more of Darwin. He was a brilliant fellow. I'd like to have known him.

Some time ago I agreed to purchase a small piece of electronic equipment from a friend near San Francisco. Recently it arrived in good shape packed in popcorn! Please send a check for sum of \$33.70 to Paul Giganti, 2429 San Carlos Ave., San Carlos, California.

I could use some more money to take care of operation and improvements. Next month I hope to tidy up my financial affairs and will write to Mr. Schauer at that time.

The article in *PHYSICS TODAY* about superconductivity by Matthias was very good. I found it interesting, even tho in no way related to my present operations.

Winter in Hobart is always mild. In the highlands, night temperatures frequently drop into the low twenties. However, my building is well insulated and the gas heater makes it quite comfortable.

Best regards,

Grote Reber
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