

27th May 1966

Dear Jennie:

Thank you for your letter of the 12th and enclosure which arrived on the 17th. Hoover comments that "without imagination, engineering sinks to a trade." This is one of the troubles with radio astronomy in U.S.A.

Mr. Hinkley's letters of the 11th and 28th April with enclosures arrived in good time. I notice Mulvaney used some of my material on the abos without appropriate mention of where he got it. The X-Ray sources may, or may not have any connection with Cosmic Ray sources. I expect to get into this subject when I return to U.S.A.

I appreciate all the bother you and Mr. Schauer went to on the ethyl formate as described in his letter of April 15th. Fortunately, I will not need it now. In accordance with your P.S. and enclosure, I have instructed Chase-Manhattan to convert most of my savings account to the 5% certificates for one year. They should have appeared at your office by now.

During the past few weeks I have had some exchanges of correspondence with University of Colorado on cosmic rays. They use plastic scintillation detectors. Comparing their results with those secured here, indicates scintillators are little, if any, better than geiger tubes. Both are very sensitive to low energy natural and artificial background radiations and particles. I've decided to pass up both of these devices.

Continued tests with my spark plates have revealed some deficiencies. The plates are being reworked by the black smiths now. Later this winter I'll try them in the large vat I showed to Mr. Hinkley.

The microbarograph charts arrived yesterday. Thanks.

The reprints on Cosmic Ray Astronomy showed up on 27th April. One of the figures is upside down, so I cut this figure out of half the reprints and correctly pasted it into the others. Please send 25 more. Fortunately, this error didn't appear in the J.F.I. article as published.

Please send any literature you have from Gilson Electronics. I'll figure out what is to be done next.

Since the first of the year, solar activity has risen fast. The electron density of the ionosphere also stays quite high. My radio astronomy results have about ceased. However I will continue observations a couple of more months to make sure I secured everything possible. Then the installation at Bothwell will be shut down and I will organize my findings into a coherent article or articles.

Best regards,

Grote Reber
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