

Fourth of July 1966
Not a Holiday in the British Empire!

Dear Jennie:

Thank you for your note of 31/5/66. I have signed and directly returned on 10/6/66 the small piece of paper to Mr. O'Sullivan.

The Gilson letter on 20 pen recorder arrived on 14th. All things considered, the Brush people have the most desirable instrument. I think we have covered the market now.

The R.C. annual report for 1965 arrived on 25/6/66 from Ritchings. Thanks.

I appreciate Mr. Schauers enthusiasm in sending the whole June issue of JGR. However \$2.00 air postage is a bit wasteful. Two libraries here get this journal by sea, so I have suitable opportunity to examine copies from time to time, even if a few months late. My reading time is rather sparse.

The literature on RCA fototubes and Semi-Elements scintillators arrived on 2nd July. Thanks. I've decided to write directly to the latter and see if they can make scintillation material which is insensitive to low energy particles. If they can, such device may still have a future in Cosmic Ray Astronomy. Please write to Pilot Chemicals Corp. Watertown, Mass., and Nuclear Enterprises Co., Winnipeg, Canada and ask for literature on their plastic scintillation material.

I'm writing directly to Duthie at Rochester for detailed information on his spark plate gamma ray detector. Last week I took a look at what the blacksmiths are doing on my spark plates. The inspection was not encouraging. After more welding, annealing, turning, aging, etc., the plate surfaces are just as wavy as when I returned them a month ago. If large weldments cannot be stabilized, I will have to try castings.

Radio astronomy observations still produce small amounts of usable data. I rather expected this temporary upturn in observing conditions near the winter solstice. An assortment of obtuse ionospheric phenomena are also being encountered. This might be good stuff for ionosphere addicts, but I don't want to get lost in that sea of trivia.

One third of my barometric data has been reduced and harmonically analysed on the C.S.I.R.O. computer at Canberra. The results look good.

My past summers beans have been harvested and partly analysed. I seem to have stumbled upon a genetically unstable strain. Two more new kinds of offspring have been sorted out.

The more I inbreed this strain, the more unstable it becomes. Evolution is thought of as a slow process. However, I have a hunch that evolution can be rapid if the right situation, circumstance and environment exist. In this case, I am part of the environment and help the process along.

I intend to get all this meteorological and botanical data organized and off to the printers before I fold up so that no loose ends are hanging.

Mr. Schauers letter of the 28th arrived today. I had already seen the article about counter in Utah and will contact them direct as we may have something in common. It is my intention to follow up that SCIENCE business in person at various levels when I return. Some new voices should be heard loud and clear.

The editor of MANKIND informs me reprints on my article about the abos will be mailed in a few days. I'll send a few copies of these in return for those of SCIENCE which arrived on 2/7/66. Thanks.

Best regards,

Grote Reber
Grote Reber