

31st March 1966

Greetings Jennie:

Thank you for your letter of the 4th which arrived on the 8th. The Harris auditors questionnaire is enclosed. Please send by sea the reprint you mention by P.A.G.Scheuer, also whatever literature you have from Gilson.

I have a slide I took in 1959 at Yale which shows 20 pens *drawing traces on* a single chart paper about two feet wide. The *name plate on side* says Gilson Medical Electronics. Yale was using it to monitor various circuits of a radio astronomy device. I think it might be suitable to display the output of a radio antenna having twenty beams. Apparently the pens, chassis, paper, etc are (or were) all standard off the shelf items. If this instrument does not appear in the literature you have, please try them again.

Mr. Schauers letter of the 8th and note of the 9th with enclosures arrived on the 14th. The neutrons are out of my line but I found the Australian archeology interesting.

Please secure and send by sea another carton of charts for my microbarograph. I may not need them, but can use them in the future as I'll take the microbarograph with me wherever I decide to go. The past four years data is now being analysed.

Try to get information from DuPont, or others, on plastic scintillators. This transparent material with complete internal light reflection is similar to Lucite or Perspex. Permeating the material is some fluorescent compound. When an electrically charged particle passes thru the material a flash of light is emitted. Is the material only available in solid form; if so, what dimensions and price? Is the material available in liquid form with hardener; if so, what quantities and price?

On page 15 of Feb. 66, Physics Today, RCA offers a new fototube with very low dark current. It has a bi-alkali cathode and comes in assorted models. Please secure technical details from RCA Commercial Engineering, Section C159Q, Harrison, N.J.

The fototube may be used to pickup the light flashes in plastic scintillator caused by cosmic ray particles. Any literature you develop can be sent by sea.

Enclosed are two request form ~~for~~ reprints. Please send them.

Two very pleasant days were had showing Mr. Hinkley around. I'm sorry he couldn't stay longer. He seems to like the date system of Day/Month/Year. Enclosed is the dust cover from his camera.

Radio astronomy observing conditions have picked up. Several good records have been secured recently.

My wrist continues to improve slowly.

Best regards,

*A. Palmer*