

October 28th, 1958
Wailuku, Maui, T. H.
U. S. A.

Dr. John Ruse
Air Force Research Center
Massachusetts Inst. of Technology
Cambridge 39, Mass,

Dear Dr. Ruse:

The February issue of Proc. IRE contains an abstract of your paper entitled "Tolerances on Paraboloidal Reflectors". I read this with much interest because for a long time I have been doing experiments in Radio Astronomy. Large mirrors are the most useful collector devices of these celestial radiations. For such studies very large and relatively crude mirrors are satisfactory. The more crude the cheaper. Unfortunately, there are limits to which one may go. Optical principles give some criterions. However to the best of my knowledge there have been no previous studies made along the lines discussed in the abstract of your paper.

Consequently I wish to learn whether or not your paper has been or shortly will be published in any scientific magazine. If so, I would like to secure a reprint if and when available. If you have no plans along this line I would much appreciate receiving a copy of your talk plus photostats of the various graphs. Whatever costs are involved I will be pleased to defray.

Presently I am out here doing some exploratory experiments at a low latitude. If all goes as I expect, there is a good possibility that arrangements can be made to construct a really large mirror. In which case, your studies will be invaluable from an engineering and economic point of view.

Next time you see Tom Carroll please remember me to him.

Very truly yours,

Grote Reber