

1209

October 20, 1954

Dr. Richard M. Emberson  
Associated Universities Inc.  
350 Fifth Avenue  
New York, New York

Dear Dick:

I called you a couple of times and have decided that it may be more profitable to try to reach you by mail. Our friend, Grote Reber, is leaving Hawaii for Australia, where he will undertake to find that hole in the atmosphere, or, to be a little more accurate, in the ionosphere. He has reported to us on his work on the mountain on the island of Maui, which he feels wasn't so hot -- the work that is, not the mountain - it was cold there. However, it appears to me to be quite impressive. Among other things, he says in his letter that he takes issue with DuBridge's proposal to build a large mirror out of fibre glass because of the high ratio of strength to weight of that material. He asserts that, actually, a proper material should have a large ratio of modulus of elasticity to weight. Back in 1948 and 1949 he designed a mirror with some interesting characteristics but that did not seem the appropriate time for its promotion. He built a model of it which is now located in the attic at 212 West Seminary Avenue, Wheaton, Illinois. He has submitted the characteristics of design and suggested that possibly you and Lloyd might be interested in it in view of the involvement of AUI in this field. I send them along for your information.

If you or Lloyd or anyone else sees anything in the Reber design as it appears on paper that leads to a desire to see the model, I will be glad to try to arrange same. Let me know what your reaction is.

Sincerely,

AK:ec  
Enclosure

Alfred Kelleher