



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
GODDARD SPACE FLIGHT CENTER
GREENBELT, MARYLAND 20771

AIR MAIL

Mr. Grote Reber
C. S. I. R. O.
Tasmanian Regional Laboratory
Stowell Avenue
Hobart, Tasmania
Australia

FILE 5963
SEP 30 1966
Arrived 27/9/66

Dear Grote:

Thank you for the Darwin glass. We have only a very little of it at this office, and I am interested in its relation to the Aouelloul glass. The latter comes from a crater in the western Sahara and is interesting because it appears to be one case when we should be able to trace out the origin clearly. There is a substantial resemblance to the chemical composition of the local sandstone, but several elements show differences which have to be accounted for by, I think, implausible hypotheses. I am inclined to think that both glasses are extraterrestrial.

The four dark specimens which you sent are exactly like indochinites not only in surface texture and general shape but also in transparency and, as we have verified this morning, in density. I am writing to the Director of the museum to thank him for the specimens and to make sure there is no misidentification anywhere along the line.

Sincerely yours,

John
John A. O'Keefe
Assistant Chief
Laboratory for Theoretical
Studies