

NOVEMBER 7, 1959

DR. OTTO STRUVE ,  
c/o COMMANDER HOTEL  
CAMBRIDGE, MASSACHUSETTS

DR. STRUVE:

THE CERENKOV RADIATION MENTIONED ON FOURTH PAGE OF "RADIO ASTRONOMY FROM SPACE VEHICLES" IS DESCRIBED ON PAGES 119-121 OF "BETWEEN THE ATMOSPHERICS". A COPY IS ENCLOSED. THIS RADIATION WAS SUCH A NUISANCE THAT I DISCONTINUED OBSERVATIONS IN TASMANIA LATE 1957. PART OF MY PRESENT MISSION TO MACQUARIE ISLAND IS TO FIND A BETTER PLACE AND BETTER TIME WHEN THESE SPURIOUS RADIATIONS WILL NOT CONFUSE THE RADIO ASTRONOMY.

RECENTLY A SITUATION HAS DEVELOPED WHICH I HAVE BEEN EXPECTING FOR A LONG TIME. THE SATELLITE FELLOWS HAVE BECOME TIRED OF DEPENDING ON THE 250 FEET DIAMETER DISH AT MANCHESTER. NOW THEY WANT A BIGGER AND BETTER ONE OF THEIR OWN. YESTERDAY A CONFERENCE WAS HELD AT NASA IN WASHINGTON ON THIS SUBJECT. VARIOUS DESIGNS WERE BROUGHT FORTH WITH MUCH INTERESTING DISCUSSION. AFTER THE MEETING WAS OVER IT SEEMED THAT MY SCHEME WAS CONSIDERABLY BETTER AND MORE PRACTICAL THAN ANYTHING ELSE PRESENTED. THE MAN IN CHARGE OF THIS EFFORT IS:

MR. W. L. IKARD  
N.A.S.A.  
1512 H. STREET, N.W.  
WASHINGTON 25, D.C.

THEY WOULD ONLY NEED THE DISH FOR A FEW DAYS AT A TIME WHEN A LONG DISTANCE SATELLITE WAS IN FLIGHT. AT OTHER TIMES (PERHAPS 75%) THE DISH WOULD BE AVAILABLE FOR RADIO ASTRONOMY. I BELIEVE THAT, IF THE MATTER IS

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HANDLED PROPERLY,, THERE CAN BE A VERY PROFITABLE  
ASSOCIATION BETWEEN AUI AND NASA.

I WILL BE LEAVING HERE ON THE 12TH. MY ADDRESS  
IN AUSTRALIA WILL BE:

GROTE REBER  
C/O ANTARCTIC DIVISION  
187 COLLINS STREET  
MELBOURNE, VICTORIA  
AUSTRALIA.

SINCERELY YOURS,

GROTE REBER

ENCLOSURE

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# WESTERN UNION TELEGRAM

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Send the following message, subject to the terms on back hereof, which are hereby agreed to

CAMBRIDGE, MASS.

MR. GROTE REBER

THANK YOU FOR YOUR LETTER AND RE-PRINT. I SHALL  
FOLLOWS UP YOUR CONTRACT WITH NASA - AND KEEP YOU  
INFORMED. BONVOYAGE.

DR. STRUVE