



DEPARTMENT OF NATIONAL DEFENCE
CANADA

DEFENCE RESEARCH BOARD

IN REPLY PLEASE QUOTE
DRBC 280-2 (DSIS)

Ottawa, Ontario,
24 February, 1955.

Dr. Grote Reber,
Wailuku, Maui,
Hawaii.

Sir:-

Having read your paper in Nature, 175, No. 4445, January 8, 1955, page 78, I am curious to know whether you have seen any account of V. G. Fesenkov's findings: namely, that the terrestrial atmosphere has a large bulge in the ecliptic (not equatorial) plane. See page xviii of our publication T 65 R, which is sent to you herewith.

Fesenkov's evidence seems to me to be quite impressive. For a fairly complete account, see reference (15) on page xxvii (translation available from American Meteorological Society, Boston), or if you read Russian, reference (21) ... which I have earmarked for translation if I can find the time.

The method you are using, combined with those of Fesenkov, might yield a more quantitative picture of this ecliptic bulge, one which would enable us to arrive at some conclusions re the mechanism which maintains this oblate extension of the earth's atmosphere.

Very truly yours,

E. R. Hope

(E. R. Hope),

for Chairman, Defence Research Board.

Encl:
2 translations.