On the correction of a coefficient of correlation for observational errors.—By P. C. MAHALANOBIS.

Chapman (in a paper published in the Proc. Roy. Soc. 1920) has discussed the effect of correcting for observational errors. He has obtained very high values for the *corrected* upper air correlations, even reaching unity or absolute certainty in certain cases.

In the present paper it is shown that several grave statistical assumptions are involved in the above discussion and also that these statistical assumptions are not justified in the cases of the upper air data considered by Chapman.