

doubt that these specimens were made in the period, or periods, when the Cromer Forest Bed and the Stone Bed at its base were deposited, that they are to be found in these accumulations and not in those of later date, except in a derived condition. The other more symmetrical, approximately straight-sided hand-axes, made, as to their thin, blade-like anterior portions, by "controlled" flaking, to which also the term "Chellean" is applied by some archæologists, are never found in the deposits mentioned but are to be regarded as "Acheulean" implements belonging to a later interglacial epoch.

I notice that, in his reference to the Baeton Valley Gravel, Dr. Solomon does not mention that flint implements have been found in this deposit.¹ It was from here that half a hand-axe of Acheulean type was discovered, but I did not know that, as claimed by Dr. Solomon, another has been found in the gravel surmounting the cliff at Lighthouse Hill, Cromer.

J. REID MOIR.

THE OATLAND (I.O.M.) IGNEOUS COMPLEX.²

SIR,—It has been brought to the notice of the authors of the above that no mention has been made of a paper³ published in 1910, bearing on the same subject. In drawing up a list of works in this connection the usual precautions were taken to include everything within the reach of the average reader; and through being unaware of White's work the authors have made an interesting comparison possible, and it is gratifying to find that what was doubtful in their minds is corroborated by this independent investigation. There are no serious differences in the conclusions though the former worker seems convinced that a considerable interval elapsed between the intrusion of the basic and acid phases. Actually this is consistent with the then prevailing view that such contrast in composition could only be brought about by time. If such is the case why then should the granite be disposed concentrically within the basic rock? The influence of heat, greatest in the centre, is known to be of the highest importance in assisting the uprise of the later magma. But should the consolidated mass be entirely cool there is no cause for the second intrusion to follow a particular course and the granite at Oatland gives not the slightest indication of having arisen in anything but a definite channel within the basic rock and through that part which was obviously the hottest before emplacement was effected.

E. A. GAMBA.

¹ *Proc. P.S.E.A.*, iii, pt. ii, 219-243.

² J. H. Taylor and E. A. Gamba, *Proc. Geol. Assoc.*, xlv, 355-377.

³ White, F. W. "Complex of Igneous Rocks at Oatland (Santon) Isle of Man," *Proc. Geol. Soc. Yorks.*, 1910.
