Head rest unconformably upon, or are perhaps partly faulted against these, and, moreover, that they were derived chiefly from the denudation of the metamorphic schists and granite.

It seems to me, therefore, that we have very strong evidence to show that in Ireland, as in Scotland, and in England and Wales, fragments of the old pre-Cambrian land are frequently exposed, and may readily be found, and that the rocks composing them can be identified usually by their mineralogical and physical characters from the newer sediments which either surround them, lie upon them, or are entangled amongst them.

ORDINARY MEETING.

JANUARY 7TH, 1881.

W. H. HUDLESTON, Esq., M.A., F.G.S., F.C.S., Vice-President,
in the Chair.

The donations to the Library since the previous meeting were announced as usual, and the donors received the thanks of the Association.

The following were elected Members of the Association :—

Henry T. Wakefield, Esq. ; Henry Wordley, Esq. ; and A. T. Roberts, Esq.

Messrs. Spratling and Braby were elected Auditors of the Accounts for the year 1880. [The latter gentleman being unable to serve, Mr. Cheadle subsequently took his place.]

The following paper was then read :—

ON THE ZONES OF THE CHALK.

By Prof. J. MORRIS, M.A., F.G.S.