(d) Sub-genus *Orthograptus* s-g. nov. (Gr. *orthos*. straight).

Polypary long, prismoid, section square.

Hydrothecæ flattened, section rectangular.

Example.—*Orthograptus quadrimucronatus* (Hall. sp.)

The second portion of the paper was devoted to a revision of the genera and species of the *Diprionidæ* of the Moffat Shale, and several new species were described.*

ORDINARY MEETING, MARCH 7TH, 1873.

HENRY WOODWARD, Esq., F.G.S., F.Z.S., &c., President, in the Chair.

The following Donations were announced :—

“Remarks upon the Present State of the Devonian Question,” by Horace B. Woodward, F.G.S., from the Author.

“On the Boring at Netherfield,” by J. E. H. Peyton, F.G.S., F.R.A.S., from the Author.

“Proceedings of the Geological Section of the British Association, at Edinburgh,” by J. Hopkinson, F.G.S., from the Author.

“Abstract of the Proceedings of the Geological Society,” from that Society.

“Quarterly Journal of the Geological Society,” from that Society.

The following were elected Members of the Association :—

William Bishop, jun., Esq.; G. E. Cruickshank, Esq.; Dr. W. C. Grigg; Robert H. Hoar, Esq.; Charles Henry King, Esq.; John P. King, Esq.; and J. Stratten Thompson, Esq.

The following Paper was read :—

ON THE GEOLOGY OF BRIGHTON; PART I.

By JAMES HOWELL, Esq.

THE SOUTH DOWNS.

That portion of the South Downs, extending from Eastbourne to Brighton, twenty miles long, with an average width of about five miles, the characteristic features of which are of a bold and undulating character, displays a magnificent line of snow-white cliffs intersected by three transverse valleys opening into the Weald,

* The publication of the figures and descriptions of the new species is unavoidably deferred.