

II.—PUBLICATIONS MADE IN BRITISH AMERICA, ETC. 121

Nicholson, H. Alleyne. Descriptions of new species of Polyzoa from the Lower and Upper Silurian rocks of North America. < *Ann. and Mag. Nat. Hist.*, ser. 4, vol. xv, pp. 177-184, pl. xiv. 1875.

Ptilodictya falciformis, *P. emarginata*, *P. flagellum*, *P. (P.) arcipora*, *P. fenestrelliformis*, and *Oeraniopora obiscensis* are described as new species from the Cheltenham formation, and *Fenestella nervosa* from the Niagara (Guelph) formation of Ohio.

Nicholson, H. Alleyne. Notes on the Gasteropoda of the Guelph formation of Canada. < *Quart. Journ. Geol. Soc. Lond.*, vol. xxxi, pp. 543-551, pl. xxvi, with woodcut. 1875.

Treats of the Gasteropods which the author had collected in the Guelph Limestone of Ontario. Sixteen forms are described, of which two (*Marchisonia haylei* and *Holopea occidentalis*) are determined as new.

Nicholson, H. Alleyne. Report upon the Paleontology of the Province of Ontario. Printed by order of the Legislative Assembly. Toronto, 1875. 8°. pp. 96, with 4 plates and 45 woodcuts.

This report is a continuation of one published in 1874, and contains an enumeration of 200 species of fossils collected by the author from the Trenton Limestone, Utica Slate, Hudson River formation, Niagara Limestone, Guelph formation, Corniferous Limestone, and Hamilton formation of Western Ontario. To many of the species nothing more than references are given; but descriptions, generally accompanied by figures, are given of all new species, as well as of those which have not been previously thoroughly examined or described in readily accessible works. In addition to a number of species for the first time enumerated as occurring in the Palaeozoic deposits of Canada, the following new species are described:—*Ptilodictya falciformis* (Trenton Limestone), *Fenestella calcinea* (Hudson River Group), *Diplograpsus hudsoniensis* (Hudson River Group), *Callopora minutissima* (Hamilton formation), *Stromatopora nulliporoides* (Hamilton), and *Spirorbis spinuliferus* (Hamilton).

Nicholson, H. Alleyne. On the Guelph Limestones of North America and their organic remains. < *Geological Magazine*, Decade II, vol. ii, pp. 343-348. 1875.

Gives a general account of the fossils of the Guelph formation.

Nicholson, H. Alleyne. Descriptions of new species of Cystiphyllum from the Devonian rocks of North America. < *Geological Magazine*, Decade II, vol. ii, pp. 30-33, pl. i. 1875.

The author describes 4 new species of *Cystiphyllum*, 2 (viz. *C. ohioense* and *C. squamosum*) from the Corniferous Limestone of Ohio, and 2 (*C. fruticosum* and *C. superbum*) from the Devonian of Ontario.

Nicholson, H. Alleyne. Descriptions of new species and of a new genus of Polyzoa from the Palaeozoic rocks of North America. < *Geological Magazine*, Decade II, vol. ii, pp. 33-38, pl. ii. 1875.

Describes 4 new species of Polyzoa from the Devonian rocks of Canada and 1 (*Heterodictya trentonensis*) from the Trenton Limestone. The genus *Heterodictya* (with the single species *H. gigantea*) is founded, a form in most respects resembling *Ptilodictya*, but having the cells tabulate.

Nicholson, H. Alleyne. On some of the massive forms of *Chaetetes* from the Lower Silurian. < *Geological Magazine*, Decade II, vol. ii, pp. 175-177. 1875.

Discusses the affinities of *Chaetetes petropolitanus* Pand. and some allied forms, and provisionally suggests the name of *C. undulatus* for lobed and undulated masses, often regarded as a variety of *C. lycoperdon* Say.