

II.—PUBLICATIONS MADE IN BRITISH AMERICA, ETC. 127

Salter, J. W. Journal of a voyage in Hall's Bay and Barrow Strait in the years 1850-1, performed by H. M. ships "Lady Franklin" and "Sophia", under the command of Mr. William Penny, in search of the missing crews of H. M. ships "Erebus" and "Terror". By Peter C. Sutherland, M. D. London, 1852. 2 vols. 8°. Appendix, pp. cxxviii-cxxxiii, pls. v and vi.

The author describes a number of *Crustacea*, *Mollusca*, and *Celenterates* from the Silurian strata of the neighbourhood of Wellington Channel, &c. The new species described are:—*Orthoceras nannanegi*, *Strophomena donnell*, *Rhynchonella phoca*, *Strophodes plethorui*, *S. (?) austini*, *Pavistella reticulata*, *F. franklini*, *Obolus naria zutherlandi*, *Archæophyllum richardsoni*, *Rhynchonella mansonii*, and *Calophyllum phragmoceræ*.

Salter, J. W. On Arctic Silurian fossils. < *Quart. Journ. Geol. Soc. Lond.*, vol. ix, pp. 312-317. 1853.

Gives lists, with descriptive remarks, of a number of Upper Silurian fossils collected by the Arctic Expedition of 1850-51, chiefly from the entrance of Wellington Channel. The author also notes the occurrence of Pleistocene deposits, with marine shells of existing Arctic species, on Beechey and Cornwallis Islands, up to 500 feet.

Salter, J. W. Arctic Carboniferous fossils, collected by the expedition under Sir E. Belcher, C. B., 1852-54. In the "Last of the Arctic Voyages", by Sir Edward Belcher, C. B. 2 vols. 8°. London, 1855. Vol. II, pp. 377, 391, pl. xxxvi.

Describes a number of Carboniferous fossils, of which the following are described as new species:—*Fusulina hyperborea*, *Zaphrentis onibos*, *Oliniophyllum tumulus*, *Syringopora autopora*, and *Fenestella arctica*.

Salter, J. W. Fossils from the base of the Trenton Limestone. < *Figures and Descriptions of Canadian Organic Remains*, Decade I, Montreal, 1859. pp. 47, pls. i-x.

In this work, Mr. Salter describes a number of fossils, mostly from the Trenton Limestone of Pauquette's Rapids on the Ottawa, in which there is a singular intermixture of the forms proper to the Black River and Chazy limestones with those characteristic of the higher part of the Trenton Group. Eighteen species of *Gastropods* are described, referable to *Machurea*, *Raphistoma*, *Helicotoma* (new subgenus), *Ophileta*, *Murchisonia*, *Cyclonema*, *Trochonema*, *Eunema*, and *Loxonema*, and comprising 12 new species. The characters and affinities of the genera are discussed at length. Two species of *Oyrtoceras*, and 5 of *Olenodontu* (including 2 new species) are described. The characters of *Orthis tricenaria* Couv. are fully treated of; and lastly the author deals with the affinities and structure of the genus *Receptaculites*, referring the fossils of this group to the *Foraminifera*, and placing them in the neighbourhood of *Orbitolites*. Two new species are described, one, *R. occidentalis*, from the Trenton Limestone, and the other, *R. australis*, introduced for comparison, from the Silurian rocks of New South Wales.

Salter, J. W. On the fossils of the Lingula-flags or "Zone Primordiale". < *Quart. Journ. Geol. Soc. Lond.*, vol. xv, pp. 551-555, with 4 engravings. 1859.

Two new species of *Trilobites* are described and figured, viz. *Paradoxides bennettii*, from the Primordial beds of Newfoundland, and *Conocephalus antiquatus*, from a boulder of sandstone discovered in Georgia. An imperfect *Trilobite* from the Carboniferous Sand-rock of Canada, formerly referred by the author to *Paradoxides*, is now doubtfully placed in *Asaphus*.