

1881. RATHBUN, RICHARD.

The littoral marine Fauna of Provincetown, Cape Cod, Massachusetts. Proceedings of the United States National Museum. Vol. III. 1880. Washington, 1881. pp. 116-133.

It is stated that the Amphipods have been identified by Professor S. I. Smith. They are named as follows on pages 120, 121; "*Orchestia agilis* Smith"; "*Talorchestia longicornis* (Say) Smith"; "*Talorchestia megalophthalma* (Bate) Smith"; "*Hyale littoralis* (Stimp.) Smith"; "*Calliopius læviusculus* (Kroy.) Boeck"; "*Gammarus locusta* (Linné) Fabr.," with a reference to "Gould, Inv. Mass., ed. I. p. 334, 1841," and the synonym "*G. ornatus* Edwards, Ann. des Sci. Nat., tome xx. p. 367, 1830"; "*Gammarus annulatus* Smith"; "*Gammarus mucronatus* Say"; "*Mæra levis* Smith"; "*Microdeutopus grandimanus* Smith," with the synonyms "*Autonoë grandimana* Bruz., Skand. Amphip. Gamm., p. 26, 1859.—*Microdeutopus minax* Smith, Inv. V. S., p. 562, 1874"; "*Amphithoë longimana* Smith"; "*Corophium cylindricum* (Say) Smith"; "*Chelura terebrans* Philippi"; "*Caprella geometrica* Say." A few short notes are given in regard to localities, and the statement is made that "a comparison of European with American specimens has enabled Professor Smith to establish the identity of *G. ornatus* and *G. locusta*." *Autonoë grandimana*, Bruzelius, had been already named *Microdeutopus grandimanus* by Spence Bate, Brit. Mus. Catal. Amph. Crust., p. 378.

1881. THOMSON, GEORGE MALCOLM, born October 2, 1848 (G. M. T.).

Recent Additions to and Notes on New Zealand Crustacea. [Read before the Otago Institute, 11th May, 1880.] Transactions of the New Zealand Institute, Vol. XIII. pp. 204-221. Pls. VII., VIII.

A discussion on the genus *Orchestia* leads up to the conclusion that the New Zealand species of that genus thus far known are only five, *Orchestia aucklandiæ*, Sp. Bate, *Orchestia telluris*, Sp. Bate, *Orchestia chilensis*, M.-Edw., *Orchestia serrulata*, Dana, and *Orchestia sylvicola*, Dana. The last species is regarded as including *Orchestia novæ-zealandiæ*, Sp. Bate, and *Orchestia tenuis*, Dana. The terminal part of a second gnathopod is figured. From the examination of 163 specimens, Mr. Thomson is "strongly of opinion that they all belong to one variable species, the males of which have at least two forms of gnathopoda, and the females of which differ considerably in those very characters which have hitherto had specific importance attached to them." It is "a strictly terrestrial form."

The other species discussed in this paper have been already mentioned in the Notes on Thomson, 1879 (p. 500) and 1880 (p. 524).

On Plate vii., fig. 5A. is the head, 5B. a gnathopod, of *Amphilocheus squamosus*, Thomson; fig. 6. is *Amphithonotus levis*, Thomson. On Plate viii., fig. 7A. represents the antennæ, 7B. a mandible, 7C. the telson and third uropods of "*Microdeutopus maculatus*," Thomson; fig. 8. is "*Cyrtophium cristatum*," Thomson; fig. 9. is "*Corophium contractum*," Stimpson."

1882. BELLESME, JOUSSET DE.

Sur les anastomoses des fibres musculaires striées chez les Invertébrés. In Compt. rend., Tome 95. pp. 1003, 1004.

"Jousset de Bellesme verbreitet sich über die bereits bekannten Anastomosen der Musculatur an den 'glandes gastriques' (Hepatopancreas) der Amphi- und Isopoden (vergl. Bericht f. 1880. II. p. 12)." P. Mayer in Zool. Jahresbericht für 1882.