

“Die Dornenlosen unterscheiden sich nämlich von den mit Dornen auch durch die Form der Augen, welche bei den Letztern deutlich nierenförmig, bei den Erstern oval sind. Dieser Charakter ist so constant, dass man von der Form der Augen auf das Vorhandensein oder Fehlen der Dornen und umgekehrt schliessen kann. Es gibt aber auch Individuen bei welchen die Dornen sehr schwach ausgeprägt sind, ja sogar nur ein einziger ganz schwacher Dorn vorhanden ist.

“Diese Uebergangsformen sind wohl geeignet, die vielleicht unrichtige Benennung und Unterscheidung von *Gamm. puteanus fossarum* und *pulex* Koch—dahin zu berichtigen, dass *blos Gamm. pulex* Fabr. mit der Varietät *spinosus* beizubehalten sei.”

From the reference here given to Dr. Cornel Chyzer, it may be surmised that he takes notice of some fresh-water species of *Gammarus* in his work “Ueber die Krustaceenfauna Ungarns. Verhandl. des Zool. Bot. Vereines 1858,” which is mentioned in a bibliographical list by Dr. Anton Frič.

1862. WALKER, DAVID.

Notes on the Zoology of the last Arctic Expedition under Captain Sir F. L. M'Clintock, R.N. [Read Friday Evening, April 27, 1860.] The Journal of the Royal Dublin Society. Vol. III. 1860–61. Dublin, 1862. pp. 61–77.¹

An introductory observation states that, “with a very few exceptions, none of the species of birds, fishes, mollusca, crustacea, and insecta are strictly confined to the Arctic regions.”

The Amphipoda are recorded as follows on page 68 :—

“ † † *Gammarus loricatus* (Sab.).—Numbers found swimming about in Port Kennedy.

“ † † *Gammarus locusta* (Mont.).—Associated with the former and following species at Port Kennedy.

“ † † *Gammarus boreas* (Sab.).—Ditto.

“ † † *Amphitoe Edwardsii* (Sab.).—Near Cape York, 15 fathoms.

“ † † *Amphitoe Sabini* (Leach).—Caught in a garbage net in numbers at Port Kennedy.

“ † † *Acanthosoma hystrix* (Owen).—Near Cape York, 15 fathoms.

“ † † *Lysianassa vahliei*

“ † † *Lysianassa appendiculata* } (Kroyer).—Found at Port Kennedy.

“ † † *Stegocephalus ampulla* (Kr.).—Two very fine specimens obtained at 10 fathoms in Port Kennedy.

“ † † *Themisto Arctica* (Kr.).—Found in the stomach of a seal at Port Kennedy.”

“Specimens of species marked thus † are deposited in the Museum of the Royal Dublin Society.

Specimens of species marked thus ‡ are deposited in the Queen's College, Belfast.”

Page 69 contains “a comparative table, showing the number of crustacean species brought home by the several expeditions under Parry, Ross, Penny, Belcher, and M'Clintock.” Seventeen species of Amphipods are named, including besides those already mentioned, “*Gammarus Sabini* (Leach)” ; “*G. Kroyeri* (Bell)” ; “*G. nugax* (Fabr.),” said in a foot-note to be “now usually referred to genus *Lysianassa*” ; “*Amphitoe Jurinii* (Kr.)” ; “*A. læviusculæ* (Kr.)” ; “*Lysianassa sagenæ* (Kr.)” ; “*Metoecus Cyanæ* (Sab.)” *Gammarus sabini* (Leach) and *Amphitoe sabini* (Leach) are both of them credited to Ross' Second Voyage and to Penny's, while the two names are divided between the other voyages, Parry's first and second and Belcher's receiving *Gammarus sabini* and M'Clintock's the synonymous *Amphitoe sabini*. *Lysianassa appendiculata* is attributed only to M'Clintock's voyage, and to that with a note of interrogation.

¹ Attention is called to this paper in the Nat. Hist. of Greenland, 1875, and in Hansen's Malac. mar. Groenl. occid., 1887.