

AN ACCOUNT OF AUSTRALIAN ATYIDAE.¹

By

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During the study of the freshwater carcinological materials from New Caledonia² I asked Dr. C. Anderson, Director of the Australian Museum in Sydney, to send me comparative materials of the family Atyidae from Australia.

Thanks to the kind assistance of my colleague, the late Mr. A. R. McCulloch, I have been able to study the Atyidae of the Australian Museum collected in this continent. I here wish to express my gratitude to these two gentlemen for their kindness.

As Australian Atyidae are very rarely mentioned in the carcinological literature, I consider it useful to publish the results of my investigations. I have been able to distinguish in the collection two new species, one belonging to the genus *Paratya* (*P. howensis*) and another to the genus *Caradina* (*C. mccullochi*); besides these I can mention the presence in Australia of two varieties of *C. nilotica* (var. *meridionalis* J. Roux, and var. *aruensis* J. Roux). The former also inhabits New Caledonia,³ while the latter was described by me from the Aru Islands.³ The species examined in this paper come from the mainland of Australia, Norfolk Island and Lord Howe Island.

The following is a list of the species:—

- Paratya* (*Paratya*) *australiensis* Kemp.
- Paratya* (*Xiphatyoida*) *norfolkensis* Kemp.
- Paratya* (*Xiphatyoida*) *howensis* n. sp.
- Caridina typa* Milne Edwards.
- Caridina nilotica*, var. *meridionalis* J. Roux.
- Caridina nilotica*, var. *aruensis* J. Roux.
- Caridina serratirostris* de Man.
- Caridina mccullochi* n. sp.

¹Since the completion of this paper the author has finished and published a work (referred to in footnote ²) on the Decapoda of New Caledonia which has some bearing on the facts contained herein, and is frequently referred to by him. Almost simultaneously with the appearance of Dr. Roux's New Caledonian report (1926) Dr. Calman published a paper on some freshwater prawns (Atyidae) collected in Queensland by Capt. G. H. Wilkins (Ann. Mag. Nat. Hist. (9), xvii, Feb., 1926, p. 241). A critical examination of this work, however, suggests that its contents do not conflict in any way with Dr. Roux's present contribution.—EDITOR.

²Roux—Crustacés décapodes d'eau douce de la Nouvelle-Calédonie in Fr. Sarasin and J. Roux, Nova Caledonia, Zoologie, iv, 2, 1926.

³Roux—Abhand. d. Senck. Naturf. Ges. Frankfurt, a/M., xxxv, 3, 1919, p. 321;