

STUDIES IN AUSTRALIAN CARCINOLOGY.

No. 1.

BY

FRANK A. MCNEILL, Assistant in Zoology, Australian Museum.

(Plate xix., and Figures 1-5.)

The following paper deals with *Uca marionis*, and extends the known range of several other Australian crustaceans. The former is represented in the Australian Museum collection by several large series of specimens, which afford an opportunity to give a few notes on the variation and characters of the species. For assistance in the formation of the paper I am indebted to Mr. A. R. McCulloch, whose tuition in the past has laid the foundation of my work.

Family OCYPODIDÆ.

UCA, Leach.

UCA MARIONIS, Desmarest.

(Plate xix., and Figures 1-5.)

Gelasimus marionis, Desmarest, Consid. Gen. Crust., 1825, p. 124, pl. xiii., fig. 1. *Id.*, Milne Edwards, Ann. Sci. Nat., Zool. (3), xviii., 1852, p. 145, pl. iii., fig. 5. *Id.*, Kingsley, Proc. Acad. Nat. Sci. Philad., 1880, p. 141, pl. ix., fig. 8. *Id.*, Alcock, Journ. Asiat. Soc. Beng. (n.s.), lxix. 2, 1900, p. 359. *Id.*, De Man, Abh. Senck. naturf. Ges., xxv. 3, 1902, p. 487.

Gelasimus vocans, Milne Edwards (part), Ann. Sci. Nat., Zool. (3), xviii., 1852, p. 145, pl. iii., fig. 4. *Id.*, Haswell, Cat. Austr. Crust., 1882, p. 92. *Id.*, De Man, Notes Leyden Museum, xiii., 1891, p. 23, pl. ii., fig. 5.

Gelasimus nitidus, Dana, U.S. Expl. Expd., Crust., part 1, 1852, p. 316, pl. xix., figs. 5a-d.

Gelasimus cultrimanus, Kingsley, Proc. Acad. Nat. Sci. Philad., 1880, p. 140, pl. ix., fig. 7.

Gelasimus vocans, var. *cultrimanus*, De Man, Notes Leyden Museum, xiii., 1891, p. 24, pl. ii., fig. 5a.

Hess¹ has incorrectly recorded *Gelasimus signatus* and *G. variatus* (= *tetragonon*) from Sydney, but no species of the genus is known to occur so far south as Port Jackson. I am now able to record the presence of *Uca* in New South Wales' waters, however, a fine series of *U. marionis* having been recently collected by Mr. J. R. Kinghorn on a lagoon mud-flat near South West Rocks, Trial Bay.

¹ Hess—Arch. Naturg., xxxi. i., 1865, p. 146.