

CARCINOLOGICAL NOTES

No. 2.*

By FRANK McNEILL.

Curator of Crustacea and Lower Invertebrates, The Australian Museum, Sydney.

(Plate vii.)

The contribution is an accumulated collection of observations on Decapoda from the western Pacific Ocean region, notably eastern Australia. Included are several interesting additions to the Australian fauna, arguments in support of the relegation of certain species to the synonymy of earlier established names, and notes on some newly acquired material which serve to ratify the presence in Australian waters of early recorded species.

In the illustrations of *Medaesus haswelli* and of the carapace of *Manella spinipes* are seen some interesting results of a photographic technique having great possibilities with subjects of small size. The originals of these were made by Mr. H. Hughes, A.R.P.S., of the Museum staff, with the aid of a 2½ inch focal length lens and critically arranged lighting.

Family PALAEMONIDAE.

Genus *Anchistus* Borradaile.

Anchistus gravieri Kemp.

Kemp, Rec. Indian Mus., xxiv, II, 1922, 252, figs. 82-84.

The present pair of specimens appear to be the first seen since the species was described from a single example in the Paris Museum. Kemp was unable to name a host for his holotype, and it is doubly interesting to record here a normal and expected habitat for the genus. A critical comparison of the specimens with Kemp's description and figures shows the only slight difference to be an understandable variation in the total of spinules on the dorsum of the rostrum. The female and larger example of the pair (18.5 mm. between rostrum and telson) bears five spinules, but the male rostrum is as illustrated by Kemp.

The colour of the specimens when received (freshly preserved in formalin) was a light orange ground, with dark orange-red spots scattered over both body and limbs.

Locality.—Tarawa I., Gilbert Grp., Polynesia; from the mantle folds of a species of *Pinna*. Collected Dr. J. R. Catala of Noumea, New Caledonia.

Previously recorded from Vanikoro, Santa Cruz Is., Polynesia.

Family PALINURIDAE.

Genus *Linuparus* Gray.

Linuparus trigonus (von Siebold).

Palinurus trigonus, de Haan, Siebold's Fauna Japonica, Crust. v, pt. v, 1841, 157, Pls. 39-40.

Puerulus carinatus, McNeill (*nec.* authors), Aust. Mus. Mag., ix, 10, 1949, 337, illustration.

Linuparus trigonus, Barnard, Ann. Sth. African Mus., xxxviii, 1950, 820 (refs.).

*Carcinological Notes, No. 1, McNeill and Ward, 1930, REC. AUST. MUS., xvii, No. 9, p. 357.