

Stomatopod Crustaceans from the Northern Mariana Islands, Micronesia

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Abstract The collection from the northern Mariana Islands by the Natural History Museum and Institute, Chiba, in 1992 contained two gonodactylid species of Stomatopoda, *Mesacturus dicrurus* Kropp and Dominguez, 1990 and *Gonodactylus* sp. The specimens of the latter species were a juvenile and a postlarva.

Key words: Stomatopoda, *Mesacturus dicrurus*, *Gonodactylus*, Marianas.

Eight individuals of stomatopod crustaceans were collected by the biological expedition to the northern Mariana Islands, Micronesia, in 1992, conducted by the Natural History Museum and Institute, Chiba, Japan, in cooperation with the Department of Natural Resources (Commonwealth of the Northern Mariana Islands) and University of Guam Marine Laboratory. Six specimens were identified as *Mesacturus dicrurus* Kropp and Dominguez, 1990, originally described from Yap, Guam, and Saipan. A juvenile and a postlarva of *Gonodactylus* were also collected.

Family Gonodactylidae Giesbrecht, 1910

Mesacturus dicrurus Kropp and Dominguez, 1990

Mesacturus dicrurus.—Kropp and Dominguez, 1990, 372–375, figs. 1 and 2.

Material.—NORTHERN MARIANA ISLANDS; Maug East; from rocky intertidal coral; 2 June 1992; Coll. A. Asakura; 2 males, 1 juvenile (CBM-ZC-1700). NORTHERN MARIANA ISLANDS; Maug North; from rocky intertidal coral; 3 June 1992; Coll. A. Asakura; 2 males, 1 juvenile (CBM-ZC-1701).

Measurements.—The carapace lengths and the total lengths (in parentheses) in mm of two juveniles and four males examined, 2.2 (11.4), 2.3 (12.8), 3.5 (18.6), 4.5 (21.9), 4.6 (22.8), and 5.5 (27.4).

Remarks.—The genus *Mesacturus* has been erected and readjusted by Manning (1969;

1978), and three species are involved; *M. furcicaudatus* (Miers, 1880) in Polynesia, Banda Sea, Indonesia, and Japan (Kita Daitojima Is. and Minami Daitojima Is.), *M. kempfi* (Odhner, 1923) in Ellice Islands, and the present species *M. dicrurus* Kropp and Dominguez, 1990 (Miers, 1880; Odhner, 1923; Komai, 1940; Manning, 1978; Kropp and Dominguez, 1990). The median projection of the telson can be used to classify them by Kropp and Dominguez (1990) as follows. The projection of the present species, *M. dicrurus*, and *M. kempfi* is shallowly bifurcate and *M. furcicaudatus* has a deeply bifurcate median projection. The bifurcation of the median projection is V-shaped in *M. dicrurus*, but broadly concave in *M. kempfi*. The projection of *M. dicrurus* is about as long as the base of the telson and that of *M. kempfi* is about twice the length of the base. Furthermore, the projection is covered by relatively long setae in *M. dicrurus*, but in *M. kempfi* it is covered by relatively short setae.

Distribution.—Yap, Guam, Saipan (Kropp and Dominguez, 1990), now, Maug North, and Maug East.

Gonodactylus sp.

Material. NORTHERN MARIANA ISLANDS; Pagan; from rocky subtidal; 26 May 1992; Coll. T. Kurozumi; 1 juvenile (CBM-ZC-1702). NORTHERN MARIANA ISLANDS; Maug West; from rocky intertidal coral; 4 June 1992; Coll. A. Asakura; 1 postlarva (CBM-ZC-

1703).

Measurements.—1.8 (9.5), 5.6 (24.4).

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