

A Preliminary List of Pauropoda from the Northern Mariana Islands, Micronesia

Yasunori Hagino

Natural History Museum and Institute, Chiba
955-2 Aoba-cho, Chuo-ku, Chiba 260, Japan

Abstract Five species of Pauropoda from the northern Mariana Islands are recorded for the first time and listed.

Key words: Pauropoda, *Allopaupopus*, northern Mariana Islands.

So far, 6 pauropod species has been reported from Micronesia: *Allopaupopus* (*Decapaupopus*) *proximus*, *A. (D.) clavator* (these two are now considered to be synonymous), *A. (D.)* sp., *A. (D.) dybasi*, *A. (D.) guamensis* and *Hemipauopus gressitti*. The first 3 are from Palau, and the rest from Guam (Remy, 1957). However, there has been no record from the northern Mariana Islands.

In the course of the present expedition, Mr. Taiji Kurozumi collected some 40 pauropod specimens from the islands Anatahan, Sarigan, Guguan, Pagan, Agrihan, Asuncion, Maug and Alamagan by means of Tullgren funnel. The collection consists of 5 species, all belonging to the single genus *Allopaupopus*, and these are listed here preliminarily. Code such as (P-1), added in each collecting record, coincides with that of Kurozumi (1994). The precise taxonomic position of each species will be mentioned later.

Family Pauropodidae

1. *Allopaupopus* (*Allopaupopus*) sp. 1

Material examined. 6 specimens: 1³ (2⁹ ♀), 3 (6), *Aglaia mariannensis* forest, west coast, PAGAN, alt. 55 m, 24.V.1992 (P-1), leg. T. Kurozumi.

Remarks. The present species closely resembles *A. (A.) danicus* (Hansen, 1902).

2. *Allopaupopus* (*Decapaupopus*) sp. 1

Material examined. 8 specimens: 1 (9 ♀), *Ela-*

eocarpus joga forest, south west slope, ANATAHAN, alt. 365 m, 13.V.1992 (An-4), leg. T. Kurozumi; 2 (9 ♀), *Terminaria catappa* forest, south west peak, GUGUAN, alt. 220 m, 17.V.1992 (G-2), leg. T. Kurozumi; 1 (6), *Pandanus tectorius-Hibiscus tiliaceus* forest, south west coast, PAGAN, alt. 10 m, 25.V.1992 (P-3), leg. T. Kurozumi; 2 (9 ♀), *Barringtonia asiatica* forest, north west coast, AGRIHAN, alt. 10 m, 29.V.1992 (Ag-3), leg. T. Kurozumi; 2 (9 ♀), *Cocos nucifera* forest, west slope, ASUNCION, alt. 50 m, 1.VI.1992 (As-2), leg. T. Kurozumi.

Remarks. The present species is very similar to *A. (D.)* cf. *clavator* Remy, 1950 from Egypt (Remy, 1950).

3. *Allopaupopus* (*Decapaupopus*) sp. 2

Material examined. 4 specimens: 1 (9 ♀), *Artocarpus altilis* forest, SARIGAN, alt. 300 m, 15.V.1992 (S-3), leg. T. Kurozumi; 1 (6), *Aglaia mariannensis* forest, west coast, PAGAN, alt. 55 m, 24.V.1992 (P-1), leg. T. Kurozumi; 1 (3), *Hibiscus tiliaceus-Ficus tinctoria* var. *neobudorum* forest, ridge of East Island, MAUG, alt. 120 m, 2.VI.1992 (M-1), leg. T. Kurozumi; 1 (9 ♀), *Hibiscus tiliaceus* forest, south west coast, ALAMAGAN, alt. 5 m, 9.VI.1992 (Al-3), leg. T. Kurozumi.

Remarks. The present species is very similar or identical to *A. (D.) guamensis* Remy, 1957 from Guam (Remy, 1957).

4. *Allopaupopus* (*Decapaupopus*) sp. 3

Material examined. 13 specimens: 1 (9♂²) and

¹ Number of individual(s).

² Number of pairs of legs and sex, if determinable.

3 (9 ♀), *Barringtonia asiatica* forest, north west coast, AGRIHAN, alt. 10 m, 29.V.1992 (Ag-3), leg. T. Kurozumi; 2 (9 ♂), 4 (9 ♀), 2 (6) and 1 (3), *Cocos nucifera* forest, west slope, ASUNCION, alt. 50 m, 1.VI.1992 (As-2), leg. T. Kurozumi.

5. *Allopauropus (Decapauropus) sp. 4*

Material examined. 1 specimen: 1 (9 ♀), *Aglaia mariannensis* forest, west coast, PAGAN, alt. 55 m, 24.V.1992 (P-1), leg. T. Kurozumi.

Remarks. The anal plate of the specimen is unfortunately in bad condition. It is therefore impossible to give it a species name.

Indeterminable specimens

The specimens below were impossible to identify because their condition/orientation was bad for observation: 1 (9 ♀), *Allopauropus* s. str. or *Pauropus*?, *Cocos nucifera* forest, west slope, ASUNCION, alt. 50 m, 1.VI.1992 (As-2), leg. T. Kurozumi; 1 (9 ♀), *Allopauropus (Decapauropus)*?, *Cocos nucifera* forest, west slope, ASUNCION, alt. 50 m, 1.VI.1992 (As-2), leg. T. Kurozumi.

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