



Tanaidacea (Crustacea: Peracarida) from Japan. II. Tanaidomorpha from the East China Sea, the West Pacific Ocean and the Nansei Islands

KIM LARSEN¹ & MICHITAKA SHIMOMURA²

Department of Natural History, Kitakyushu Museum of Natural History & Human History, 2-4-1, Higashida, Yahatahigashi-ku, Kitakyushu 805-0071, Japan. E-mail: ¹kim@kmmh.jp ²shimomura@kmmh.jp

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Abstract

The Japanese shallow water fauna of tanaidomorphan Tanaidacea are examined. Seven new species *Tumidochelia knighti*, *Mesotanais birdi*, *Leptognathia bamberi*, *Typhlotanais magdalensis*, *Typhlotanais ohtsukae*, *Tanaella kommitzia* and *Chaulioleona hansknechti* are described. *Chaulioleona dentata* Dojiri & Sieg, 1997, from the type locality (California) is re-described. *Leptognathia dentifera* and *L. uncinata* are transferred to *Tumidochelia*. The genus *Leptognathia* is redefined and a number of species removed from the genus. The new leptognathid genera *Biarticulata* and *Forcipatia* are erected. A key to the *Tumidochelia*, *Mesotanais*, *Leptognathia sensus stricto*, and *Forcipatia* is given.

Key words: Tanaidacea, Tanaidomorpha, *Biarticulata*, *Forcipatia*, *Tumidochelia*, *Mesotanais*, *Leptognathia*, *Typhlotanais*, *Tanaella*, *Chaulioleona*, Japanese fauna

Introduction

This is the second of a series of systematical papers on the Tanaidacea from Japanese waters. This study reports on the species within the suborder Tanaidomorpha from the East China Sea, the West Pacific Ocean, and the Nansei Islands.

For an overview of the previous literature published on the Tanaidacea from Japan, see Larsen & Shimomura (2006). Most systematic studies on the Tanaidacea from Japan have focused on the suborder Apseudomorpha. The much more abundant suborder Tanaidomorpha has been largely ignored, probably due to their smaller size and the design of the sampling gear employed at the time which were not suitable for smaller benthic invertebrates. There are some exceptions to this rule; Kudinova-Pasternak (1966, 1984) described a large number of deep-sea Tanaidomorpha, although most are from the deep sea surrounding Japanese territorial waters. Also Shiino (1951) and Ishimaru (1985) have recorded or described a few tanaidomorphan species. A list of species recorded from Japan or its surrounding deep sea, is given in table 1.

TABLE 1. Tanaidomorpha recorded from Japanese waters or surrounding deep sea.

Species	Authority	Reference	Locality/Habitat
<i>Anarthropsis longus</i>	Kudinova-Pasternak, 1984	Kudinova-Pasternak, 1984	Sea of Japan, 200–1130 m.
<i>Anatanais normani</i>	(Richardson, 1905)	Shiino, 1951	South coast of Honshu, West Pacific ocean, intertidal, on algae, sponges, acidians and barnacles.
<i>Biarticulata tuberculata</i>	(Hansen, 1913)	Kudinova-Pasternak, 1966	North West Pacific, 2193–4895 m.
<i>Chaulioleona hansknechti</i>	Larsen & Shimomura	This study	West Pacific Ocean, 260–278 m.
<i>Leptochelia itoi</i>	Ishimaru, 1985	Ishimaru, 1985	South coast of Honshu, Pacific Ocean, 1–4 m. Sand
<i>Leptochelia dubia</i> **	Krøyer, 1842	This study; Shiino, 1952; Ishimaru, 1985 (as <i>Leptochelia savigney</i>)	Seto Inland Sea, littoral, on algae and sponges. North coast of Hokkaido, Sea of Japan,
<i>Leptognathia birsteini</i> (Not <i>Leptognathia</i>)	Kudinova-Pasternak, 1965	Kudinova-Pasternak, 1966	North West Pacific, 4895–7657 m.
<i>Leptognathia bamberi</i>	Larsen & Shimomura	This study	Osumi Strait, 223–367m.
<i>Metatanais cylindricus</i>	Shiino, 1952	Shiino, 1952	Seto Inland Sea, littoral, on algae and sponges

to be continued.