



The millipede family Niponiosomatidae new to the fauna of Taiwan, with descriptions of a new genus and two new species (Diplopoda, Chordeumatida)

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Abstract

A new genus and two new species of the millipede order Chordeumatida, family Niponiosomatidae, are described from Taiwan: *Taiwaneuma* **gen. nov.**, *Taiwaneuma crinitum* **sp. nov.** (the type species) and *Taiwaneuma ramuligerum* **sp. nov.** The family Niponiosomatidae is new to the fauna of Taiwan. The distributions of both new species are mapped.

Key words: Millipede, chordeumatidans, new genus, new species, new record, taxonomy, distribution, Taiwan

Introduction

The millipede order Chordeumatida has hitherto been known to be represented in Taiwan by species of the families Diplomaragnidae and Speophilosomatidae (Verhoeff 1936; Takakuwa 1954; Wang 1958; Shear 1990, 1999; Shear *et al.* 1994; Mikhailjova 2000; Korsós 2004; Mikhailjova *et al.* 2010). However, the record of Speophilosomatidae in Taiwan still remains dubious. Wang (1958) referred to an unidentified species of *Speophilosoma* Takakuwa, 1949, found at Yu shan (= Mt Yu Shan, Nantou County), based only on a single female. In turn, Korsós (2004), based on that record, as well as a few new samples from Shiji, Ilan County he had not examined more closely, considered it possible to identify the material from Taiwan as representing *Speophilosoma montanum* Takakuwa, 1949, the type species of the genus originally described from Mt Fuji-san, Honshu, Japan (Takakuwa 1949). Since we have obtained additional material from Ilan County for the present study, we are rather inclined to question the occurrence of Speophilosomatidae, let alone *S. montanum*, in Taiwan altogether (see also below).

Instead, among the samples of small-sized chordeumatidans from Taiwan, kept in the collections of the Taiwan Forestry Research Institute, Taipei, and the Department of Biological Sciences, National Sun Yat-Sen University, Kaohsiung, as well as in the Hungarian Natural History Museum, Budapest, Hungary, a new genus and two new species have been found which appear to belong in the family Niponiosomatidae. This family is new to the fauna of Taiwan.

Material and methods

Material treated here has been shared between the collections of the Taiwan Forestry Research Institute, Taipei, Taiwan (TFRI), Institute of Biology and Soil Science, Far Eastern Branch, Russian Academy of Sciences, Vladivostok, Russia (IBSS), Zoological Museum, State University of Moscow, Russia (ZMUM), Department of Biolog-