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Article



A revision of the *Thyropygus allevatus* group. Part 2: the *T. bifurcus* subgroup (Diplopoda, Spirostreptida, Harpagophoridae)

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Abstract

The *Thyropygus bifurcus* subgroup of the *T. allevatus* group is revised. Four new species are described from Thailand: *T. demangei* **n. sp.**, *T. quadricuspis* **n. sp.**, *T. richardhoffmani* **n. sp.**, from Trang province and *T. casjeekeli* **n. sp.**, from Krabi province. The other species of the *T. bifurcus* subgroup, viz., *T. bifurcus* (Demange, 1986), and *T. enghoffi* (Demange, 1989), are redescribed.

Key words: millipede, taxonomy, new species, Thailand

Introduction

The genus *Thyropygus* Pocock, 1894 is distributed broadly in Southeast Asia (Jeekel, 2006; Enghoff, 2005). Currently the genus *Thyropygus*, including its synonym *Cornugonus* Demange, 1961 (Pimvichai *et al.*, 2009) comprises 43 named species and a number of named subspecies (Jeekel, 2006, Pimvichai *et al.*, 2009). Hoffman (1975) grouped the species of *Thyropygus* in four species groups, including the *T. allevatus* (Karsch, 1881) group.

Pimvichai *et al.* (2009) provided diagnoses of the genus *Thyropygus* and the *T. allevatus* group and revised one subgroup of the latter, viz., the *T. opinatus* subgroup, They also mentioned a second subgroup, viz., the *T. bifurcus* subgroup which is the subject of the present paper. Further subgroups of the *T. allevatus* group will be defined and treated in forthcoming papers.

Materials and methods

Newly collected specimens were hand-collected and preserved partly in 70% ethanol, and some were placed in a freezer at -20 °C for subsequent molecular studies. Specimens were examined from the following collections:

CUMZ	Museum of Zoology, Chulalongkorn University, Bangkok, Thailand
MNHN	Muséum national d'Histoire Naturelle, Paris, France
NMNH	National Museum of Natural History, Bulgarian Academy of Sciences, Bulgaria
ZMUC	Natural History Museum of Denmark (Zoological Museum), University of Copenhagen,
	Denmark