



Two new *Hypogastrura* species (Hypogastruridae, Collembola) from China

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Abstract

Two new species, *Hypogastrura hexasetata* **sp. nov.** and *Hypogastrura heptasetata* **sp. nov.**, are described from Central and East China respectively. Both new species belong to *H. trybomi* group and have highly modified mouthparts. All Chinese *Hypogastrura* species are listed, and a key to the worldwide members of the *H. trybomi* group is provided.

Key words: *Hypogastrura hexasetata* **sp. nov.**, *Hypogastrura heptasetata* **sp. nov.**, *H. trybomi* group, systematics

Introduction

The genus *Hypogastrura* Bourlet, 1839 has been divided into 8 species groups: *crassaegranulata*, *manubrialis*, *nivicola*, *packardi*, *sahlbergi*, *socialis*, *trybomi*, and *viatica* (Christiansen & Bellinger 1980, Babenko *et al.* 1994, Thibaud *et al.* 2004). Recently, this system was modified by addition of the *monticola* group (Skarżyński, 2009). Members of the *trybomi* group are characterized by fine body granulation, weakly differentiated sensilla on antennal segment IV, distal margin of labrum without papillae, unguiculus with broad basal lamella, tibiotarsus with pointed or knobbed tenent hairs, and tenaculum with 4+4 teeth (Thibaud *et al.* 2004, Skarżyński 2007). In the course of our study of Chinese Collembola, we discovered two new species of *Hypogastrura* belonging to the *H. trybomi* group, which we describe below.

Chinese species of genus *Hypogastrura* Bourlet 1839

1. *H. distincta* (Axelson, 1902), Tibet (Jiang & Chen, 2008)
2. *H. heptasetata* **sp. nov.**, Jiangsu
3. *H. hexasetata* **sp. nov.**, Hubei
4. *H. quadritenenta*, Jiang & Chen, 2008, Jiangsu
5. *H. sheyangensis* Jiang, Tang & Chen, 2007, Jiangsu
6. *H. verruculata* Rusek, 1967, Shanghai
7. *H. yosii* Stach, 1964, Zhejiang
8. *H. zhangi* Zhao, 1998, (*in*: Tamura & Zhao 1998), Yunnan

Members of *H. trybomi* group

1. *H. hargrovei* Skarżyński, 2007
2. *H. heptasetata* **sp. nov.**
3. *H. hexasetata* **sp. nov.**
4. *H. ireneae* (Wray, 1953)