



A new species of the genus *Hypogastrura* from coastal wetlands of East China (Collembola: Hypogastruridae)

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Abstract

A new species, *Hypogastrura sheyangensis*, from East China is described. It belongs to *H. manubrialis* group of species within the genus and is easily separated from the other members of the group by a combination of characters, foot structure, furca, antennal sensilla, thoracic and abdominal chaetotaxy. A comparison is made between the new species, other species of *Hypogastrura* known from China and three other similar species in the genus.

Key words: *Hypogastrura sheyangensis*, **sp. nov.**, *H. manubrialis* species group

Introduction

At present about 160 species of the genus *Hypogastrura* are known world wide. They have been divided into either 5, 6 or 8 species groups by Christiansen & Bellinger (1998), Babenko *et al.* (1994) and Thibaud *et al.* (2004). A new Chinese species, *Hypogastrura sheyangensis*, is described in the present paper. It belongs to the *H. manubrialis* group of species because of possessing weakly differentiated sensilla on Ant. IV, coarse granulation on body and posterior side of dens, 4+4 teeth on tenaculum, 4+4 setae on ventral tube, a lance-shaped unguiculus and a single tenent hair on the tibiotarsus.

A checklist of Chinese species described in the genus *Hypogastrura* is given below.

1. *H. sheyangensis*, **sp. nov.**, Jiangsu.
2. *H. verruculata* Rusek, 1967, Shanghai.
3. *H. xiaoi* Tamura, 1998, Yunnan.*
4. *H. yinae* Yue & Fu, 2000, Shanghai.*
5. *H. yosii* Stach, 1964, Zhejiang.
6. *H. zhangi* Zhao, 1998, Yunnan.*

* species obviously not belonging to the genus *Hypogastrura*.

Abbreviations. Th.—thoracic segment; Abd.—abdominal segment; Ant.—antennal segment; Oc—ocular setae; s—sensory seta; a row, m row, or p row—anterior, mid, or posterior row of body dorsal setae; px, bm, bl, or plb—proximal, basomedial, basolateral, or postlabial group of ventral cephalic setae.