



A new species of genus *Pseudachorutes* Tullberg, 1871 (Collembola: Neanuridae: Pseudachorutinae) from China

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Abstract

A new species of *Pseudachorutes*, *P. polychaetosus* sp. nov., from Lishan Mountain, Shaanxi Province, Northwest China, is described and illustrated. It is distinct from other species in being polychaetotic in having both macrosetae and microsetae well differentiated and in strong hypertrichosis. Males of the new species are sexually dimorphic, a character not known before in the genus.

Key words: taxonomy, hypertrichosis, sexual dimorphism, northwest China

Introduction

Pseudachorutes Tullberg is a large genus belonging to the subfamily Pseudachorutinae. The genus has about 100 described species worldwide and has been described from China. Several species have recently been found from Lishan Mountain, Shaanxi Province (Gao *et al.* in press). We describe one further new specie here. It has the characters normal for *Pseudachorutes*, 8+8 eyes, a well developed furcula, oval postantennal organ, mandible lacking a molar plate, elongate maxillae and anal spines absent, but it also possesses a few characters not reported before for the genus. In spite of this we assign it to *Pseudachorutes* partly because only male specimens were found. We provide a description of the species and illustrate the morphology in detail.

All the type specimens are deposited at the Insect Specimen Gallery, Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences.

Abbreviations

Abd. = abdominal segment;

Ant. = antennal segment;

asl = above sea level;

M = macrosetae;

m = mesosetae or microsetae;

PAO = postantennal organ;

S = cylindrical sensilla on Ant. IV;

sgd = dorsal guard sensillum;