



Isotomidae (Collembola) of Buryat Republic. *Folsomia culter* sp. nov and taxonomic value of terminalian chaetotaxy in the genus

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Abstract

Folsomia culter sp. nov. is described from several sites in Eastern Buryatia (Russia, East Siberia). It occupies an intermediate position between the *sensibilis*- and *fimetaria*-groups of the genus. The species is well defined by the strong foil setae on the distal abdomen, by a pair of enlarged basal setae on dens, and by the relative position of sensillary and foil setae. The taxonomic value of the sensillary and “foil” chaetotaxy on the last two abdominal segments is discussed/described for the two groups of *Folsomia* species.

Key words: foil setae, sensillary chaetotaxy, new species

Резюме

Из нескольких биотопов в Восточной Бурятии (Россия, Восточная Сибирь) описывается *Folsomia culter* sp. nov. Вид занимает промежуточное положение между группами видов *sensibilis* и *fimetaria*. Четко характеризуется мощными хетами—шпагами на конце брюшка, парой увеличенных базальных хет на денс и относительным положением сенсорных хет и хет—шпаг. Обсуждается таксономическое значение сенсорной и “шпажной” хетотаксии на двух последних сегментах брюшка в двух группах видов рода *Folsomia*.

Introduction

Between 2007–2008 we sampled sixteen sites in the Konda and Eravna Basins which are located in eastern part of Buryat Republic (Russia: East Siberia). Open grasslands, steppes, halophilous sites, bogs were studied in order to estimate the local biodiversity of springtails. At least 105 species were recorded with two families, the Isotomidae (40 species) and the Onychiuridae (31 species) being the most abundant and rich. In the present paper we describe one species of *Folsomia*, the richest genus in eastern Palaearctic.

Abbreviations: accp—accessory p-row sensillum, al—anterolateral sensillum, as—anterosubmedial sensillum, Abd.I–VI—abdominal segments I–VI, Ant.I–IV—antennal segments I–IV, bms—basal microsensillum on antennal segments, f, fa, fp—foil setae, Leg I,II,III—first, second and third pairs of legs, Mac—macrochaeta, ms—microsensillum, PAO—postantennal organ, s—sensillum, Th.II–III—thoracic segments II and III, VT—ventral tube.

Folsomia culter sp. nov.

Figs 1–11, 13

Type material. Holotype: female. Russia (East Siberia), Buryat Republic, Vitim Highland, Konda Basin, near