

Campodeinae (Campodeidae, Diplura) records from Sarnena Gora Mts, Bulgaria

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Abstract. Four species of Campodeidae have been recorded from Sarnena Gora Mts. region from which *Campodea (Dicampa) caucasica* Rusek, 1965 and *Campodea (Campodea) magna* Ionescu, 1955 are new records to the fauna of Bulgaria.

Key words: Diplura, Balkans, distribution.

Introduction

There were no records of Diplura from Sarnena Gora Mts (Bulgaria) till present study (Silvestri 1931, Bareth & Condé 2001, Sendra & Reboleira 2020). However, four soil dwelling species were already known in of Campodeinae (Campodeidae, Diplura) were known in Bulgaria: *Campodea (Dicampa) campestris* Ionescu, 1955, *Campodea (Dicampa) frenata* Silvestri, 1931, *Campodea (Dicampa) sprovieri* Silvestri, 1933 and *Campodea (Paurocampa) suenisoni* Tuxen, 1930

At the present note we have studied ten specimens from Sarnena Gora Mountains.

Material and Methods

All material was collected during 2017 by using Berlese trap or by hand by the second author. The specimens were stored in 96% ethanol in small plastic vials. They were identified by the first author, and then stored in his collection.

Results and Discussion

Campodeidae

Campodea (Campodea) cf. fragilis/silvestrii: 6.6.2017, 1 juvenile, Sarnena Gora Mts, near Trakia University, N422402.4 E253359.9, 279 m, grass land in detritus, Berlese trap.

This unclear specimen belongs to *C. fragilis* or *C. silvestri* both unknown from Bulgaria but with widely distributed in Europe (Sendra & Reboleira 2020). Further research is needed to clarify which species occurs in Sarnena Gora Mts if not both.

Campodea (Campodea) magna Ionescu, 1955: 16.7.2017, 1 female, 2 juveniles, Bulgaria Sarnena Gora Mts near Kolena Dam, near river, N42 296.2 E254129.2 detritus of *Alnus glutinosa*; ***Campodea (Campodea) magna-taunica:*** 15.6.2017, 2 juveniles, Sarnena Gora, near Kolena village, N42296.2 E254129.16, 300 m a. s. l., Bank of stream, soil and litter among roots of *Alnus glutinosa*, Berlese trap.

DIPLURA

Known from Austria, Romania and Turkey (Sendra & Reboleira 2020). New record for Bulgaria.

***Campodea (Dicampa) caucasica* Rusek, 1965:** 15.6.2017, 1 female, Bulgaria, Sarnena Gora near Kolena village, N42296.2 E254129.16, 300 m a. s. l., Bank of stream, soil and litter among roots of *Alnus glutinosa*, Berlese trap and hand collecting.

Known from Russia (Sendra & Reboleira 2020). New record for Bulgaria.

***Campodea (Dicampa) sprovieri* Silvestri, 1933:** 13.6.2017, 5 specimens, Bulgaria, Sarnena Gora, Hrishteni village, N422712 E254218, 183 m a. s. l., yard litter of *Corylus avellana*, Berlese trap.

Known from Bulgaria, Greece, Romania and Turkey (Sendra & Reboleira 2020).

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