

***Dolichocephala ocellata* (Costa, 1854) (Diptera, Empididae) new to Slovakia**

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Dolichocephala ocellata (Costa, 1854) (Diptera, Empididae) new to Slovakia. – Acta Mus. Siles. Sci. Natur., 66: 97-100, 2017.

Abstract: The first record of *Dolichocephala ocellata* (Costa, 1854) (Diptera, Empididae) for the territory of Slovakia and Central Europe is presented. This increases the number of known empidid species for Slovakia to 286.

Key words: Diptera, Empididae, *Dolichocephala*, Slovakia, faunistics

Introduction

In total 285 species of Empididae are currently known from Slovakia (Chvála 2009a; Chvála & Merz 2009; Oboňa et al. 2014; 2016; van der Weele et al. 2015; 2016), with 5 species from the genus *Dolichocephala* Macquart, 1823 (*D. cavatica* (Becker, 1889); *D. guttata* (Haliday, 1833); *D. irrorata* (Fallén, 1815); *D. oblongoguttata* Dále, 1878 and *D. thomasi* Wagner, 1983 - in Chvála 2009). Here we add *D. ocellata* (Costa, 1854) as new to these lists. The species-richness of the empidid fauna in Slovakia is increased to 286 species by this paper.

Material and methods

The material was collected by net sweeping by J. Oboňa in Hornonitrianska kotlina basin, nr. Diviacka Nová Ves in Trstenec (spring area with small brook, Fig. 1) 285 m a.s.l., 7276 DFS (grid mapping codes of the Data-bank of the Slovak fauna).

The specimen was preserved in 75% ethanol immediately in the field and identified by R. van der Weele. Identification and nomenclature were used according to Chvála (2009; 2012), Valiant (1952; 1968) and Wagner (1983). The specimen is deposited in the collection of first author.

Results

FAMILY: EMPIDIDAE

Genus: *Dolichocephala* Macquart, 1823

***Dolichocephala ocellata* (Costa, 1854) (Fig. 2)**

Material examined: Trstenec (spring area with small brook) nr. Diviacka Nová Ves, N 48° 44' 20.32", E 18° 28' 54.27", 27.vii.2015, 1 ♂.

Comments: Previously recorded from Europe (Austria, Bosnia and Herzegovina, Croatia, France, Germany, Great Britain, Greece incl. Crete, Italy inc. Sicily, Slovenia, Spain, and Switzerland) and North Africa (Chvála 2011). New records for Slovakia.

Discussion

The *Dolichocephala ocellata* group (e.g. Valiant 1968; Joost 1981; Wagner 1983; 1995; Niesiolowski 1986; Jonassen 1992; MacGowan 1996; Chvála 2011) in the Western Palaearctic comprises *D. austriaca* Vaillant 1968, *D. cretica* Wagner 1995, *D. monae* Joost 1981, *D. thomasi* Wagner 1983, *D. vaillanti* Wagner 1995, *D. zwicky* Wagner 1995 and, of course, *D. ocellata*. The group is characterized by spotted wings which are missing in the narrow front margin cell (R1). In continental Europe this group is represented by *D. austriaca*, *D. ocellata* and *D. thomasi* (Wagner (1995) and Chvála (2011)). For central Slovakia *D. thomasi* has been published by Barták & Roháček (2009) from Poľana Protected Landscape Area – Biosphere Reserve.

According to Wagner (1995) the genus *Dolichocephala* needs revision. Only speculations can therefore be made concerning the distribution of single species from the *Dolichocephala ocellata* group, one of these assumes that *D. ocellata* is a Mediterranean species, whereas *D. austriaca* occurs only in the Alps. The current record of *D. ocellata* from Central Europe disproves this speculation and further calls for revision of the genus.

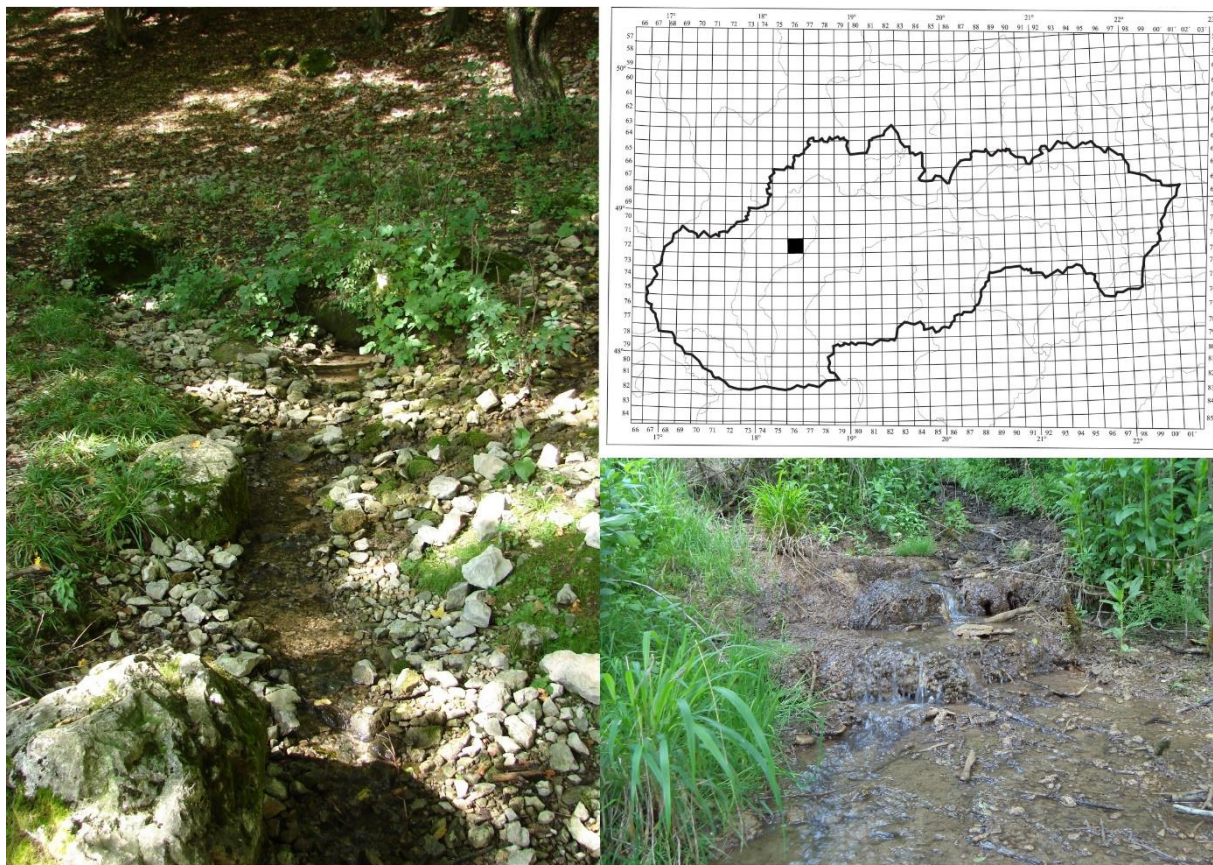


Fig 1: Sampling site Trstenec nr. Diviacka Nová Ves (left - spring area; bottom right - small brook; top right - map shows the new record of *Dolichocephala ocellata* (Costa, 1854) from Slovakia DFS: 7276 (grid mapping codes of the Database of the Slovakian Fauna).

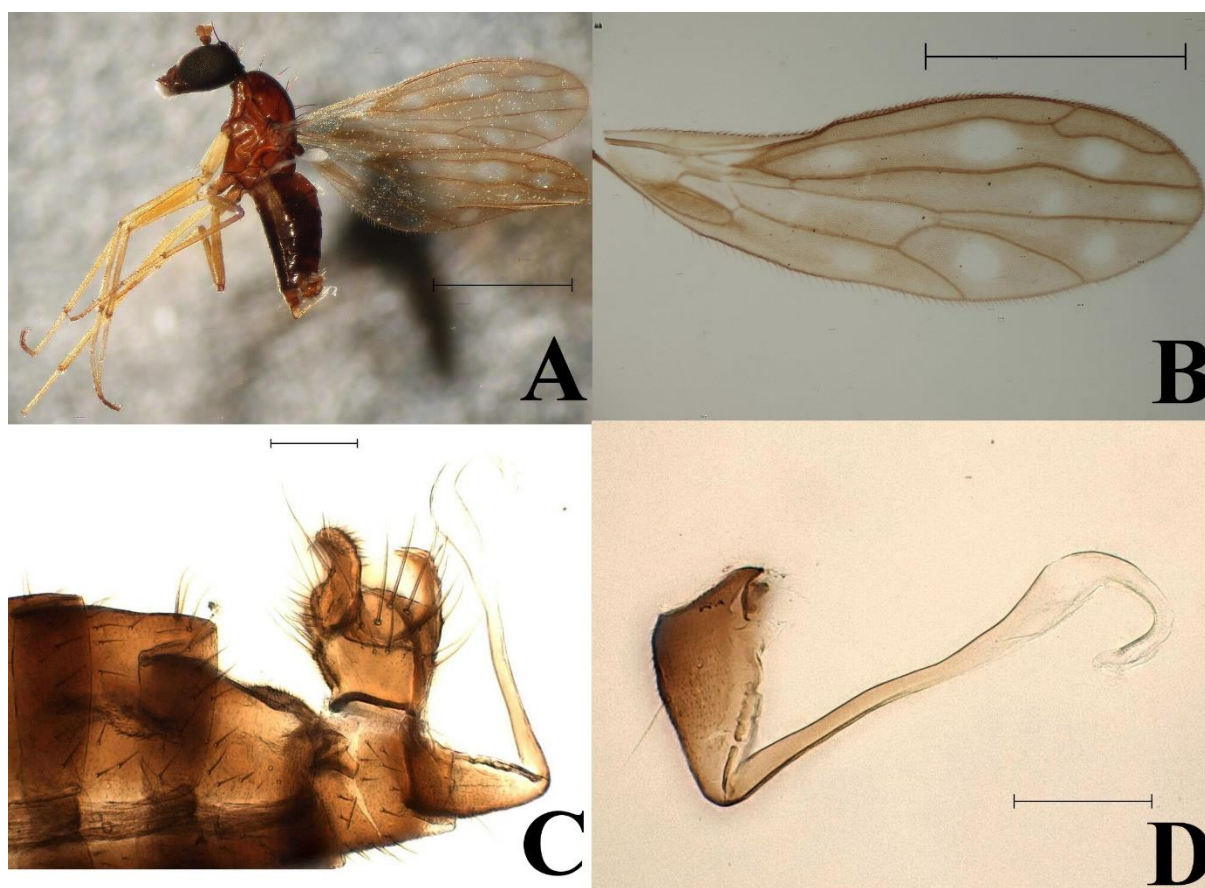


Fig 2: *Dolichocephala ocellata* (Costa, 1854). a. habitus, b. wing, c. male genitalia, d. aedeagus [Scale: A, B = 1 mm; C, D = 0.1 mm].

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