

New faunistic record of *Schineriella schineri* (Chironomidae: Diptera) from Slovakia

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New faunistic record of *Schineriella schineri* (Chironomidae: Diptera) from Slovakia. – Acta Mus. Siles. Sci. Natur. 65: 149-151, 2016.

Abstract: The paper presents new faunistic record of *Schineriella schineri* (Strobl, 1880) for Slovakia from Čičov oxbow lake. Details on finding and notes on distribution and ecology are given.

Key words: *Schineriella schineri*, Chironomidae, first record, Slovakia

Introduction

New chironomid species for the fauna of Slovakia, *Schineriella schineri* (Strobl, 1880; Figs 2-4), was recorded from Čičov oxbow lake (Fig 1) within the national monitoring programme of surface water's status for 2015 year. Till now, 387 chironomid species are known from Slovakia. The findings contribute to the last checklist (Bitušik & Brabec 2009, <http://zoology.fns.uniba.sk/diptera2009>).

Čičov oxbow lake presents old Danube branch which was cut from the main stream by the creation of dike in the 19th century. Most of its area belongs to the Nature reserve “Čičov oxbow lake” which is also included among wetlands of Ramsar Convention. Locality is important for its biodiversity, ecological and hydrological functions. In present it represents one of the most preserved Danube's oxbow lake situated out of river's flood area.

Material and Methods

Sampling was carried out from the bank by sweeping mostly the riparian macrophytes surface by hand net (mesh size 500 µm, frame 25 cm x 25 cm). Even in the field the collected material was rinsed by water through the net (mesh size 500 µm) several times. Large debris was removed after being rinsed and inspected for clinging or sessile organisms. Then the material was placed into a plastic bottle, labeled, preserved with formaldehyde (4 % final concentration) and the sample was transported to the laboratory. Sorted larvae were mounted on microscopic slides and identified using the key by Bitušik & Hamerlík (2014). The material is deposited in the author's collection at the Department of Hydrobiology, Microbiology and Ecotoxicology, Water Research Institute in Bratislava.

New recorded species

SUBFAMILY TANYPODINAE

Schineriella schineri (Strobl, 1880)

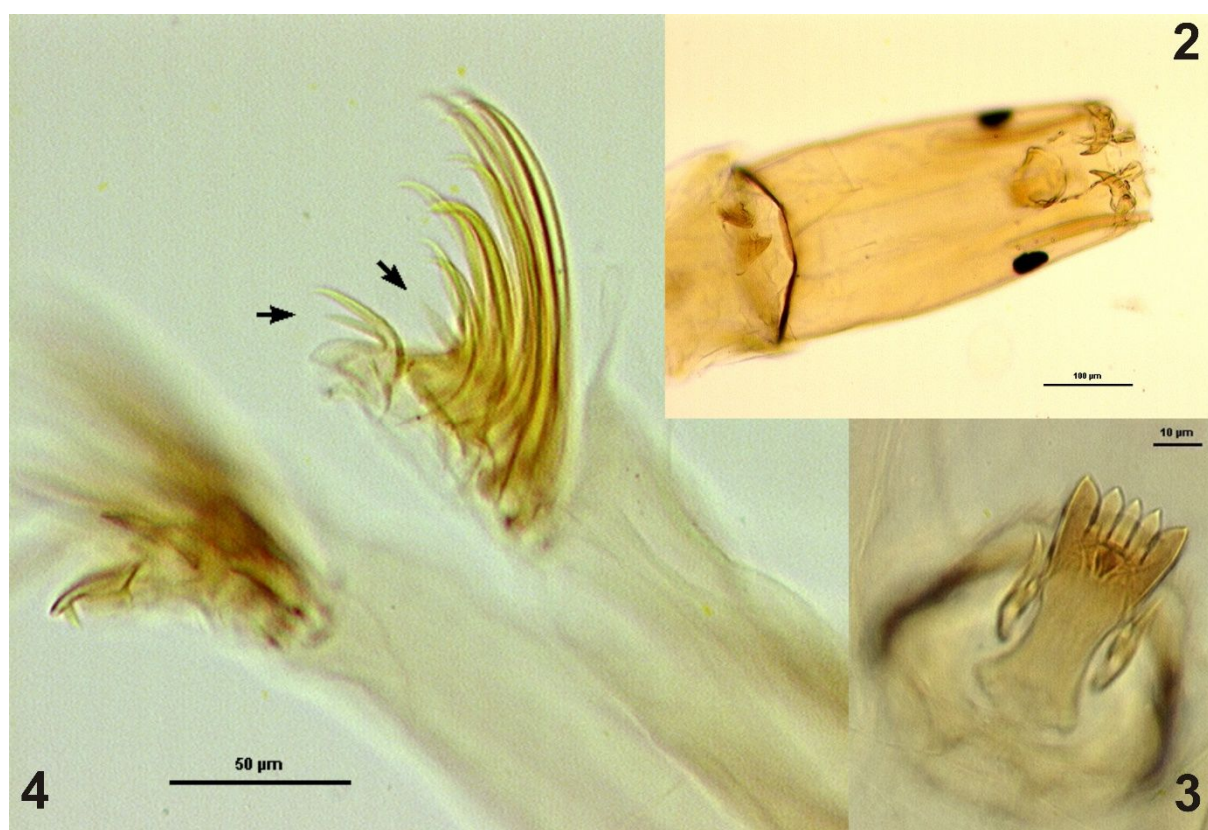
A species known from Austria, Belgium, Denmark, France, Germany, Great Britain, Hungary, Italy, Netherlands and Romania, East Palaearctic and Near East (Saether & Spies 2013).

It occurs mainly in nutrient-rich ponds, pools and lakes, rarely in very slowly flowing waters. Larvae are intolerant of organic pollution (Wilson & Ruse 2005, Vallenduuk & Moller Pillot 2013). In the Netherlands larvae have been found regularly in mesotrophic lakes and also in eutrophic water bodies (Vallenduuk & Moller Pillot 2013).

Material examined: Čičov oxbow lake, N 47°47'7,02'', E 17°42'46,34'', altitude 112 m a.s.l., 27. 3. 2015, 4 larvae, M. Očadlík leg., S. Ščerbáková det.



Fig 1: Sampling site, Číčov oxbow lake. Photo by M. Očadlík.



Figs 2–4: *Schineriella schineri* (Strobl, 1880), 2 – head, 3 – ligula, 4 – claws of posterior parapod (two double claws marked with arrows). Photos by S. Ščerbáková.

Acknowledgements: I am grateful to Dr. Miroslav Očadlík for collection of the identified material and taking photograph of the locality used in the paper. The study was financially supported from the EU Cohesion Funds within the project Monitoring and assessment of water body status (No. 24110110158, 2012-2015 Phase II).

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Nový faunistický záznam druhu *Schineriella schineri* (Chironomidae: Diptera) zo Slovenska

V rámci národného monitorovacieho programu sledovania stavu povrchových vôd Slovenska bola v roku 2015 študovaná fauna bentických bezstavovcov Čičovského ramena. Výskum sa uskutočnil v blízkosti vyhláseného chráneného územia NPR „Čičovské mŕtve rameno“, ktoré je zároveň zaradené do zoznamu Ramsárskych lokalít na Slovensku. Druh *Schineriella schineri* (Strobl, 1880) tu bol zaznamenaný na území Slovenska po prvýkrát.

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