

New faunistic records of Trichoptera from Slovakia

Nové faunistické nálezy chrostíků (Trichoptera) ze Slovenska

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Abstract. The species *Synagapetus dubitans* McLachlan, 1879 (Glossosomatidae), *Hydroptila angulata* Mosely, 1922 (Hydroptilidae), *Hydropsyche botosaneanui* Marinković-Gospodnetić, 1966 (Hydropsychidae), *Hagenella clathrata* (Kolenati, 1848) (Phryganeidae), and *Limnephilus elegans* Curtis, 1834 (Limnephilidae) are recorded from Slovakia for the first time. A total of 226 species of Trichoptera is known from Slovakia at present.

INTRODUCTION

The recent checklist of Slovak caddisflies, based on critical evaluation of published records as well as examination of collections, includes 218 species (Chvojka & Novák 2001). Zaťovičová & Novíkmec (2003) listed 169 reliably confirmed species, however this figure is based only on identified aquatic stages. Three further *Hydropsyche* Pictet, 1834 species were added by Lukáš (2004). Together with the five species presented below, the total number of Trichoptera species known from Slovakia reaches 226.

MATERIAL AND METHODS

Explanations and abbreviations: Geomorphological units and grid mapping codes of the Databank of the Slovak fauna (DFS) are cited following Lučivjanská (1989).

occ. – western, sept. – northern.

Unless otherwise stated, material is deposited in the National Museum, Prague.

RESULTS

Glossosomatidae

Synagapetus dubitans McLachlan, 1879

Material examined. Slovakia occ., Strážovské vrchy Mts.: spring area NE Dolná Poruba NW Homôľka Hill (7075 DFS), 48°54.9'N, 18°19.0'E, 560 m a.s.l., 26.vi.2009, 1 ♂, 2 ♀♀; spring area, Havránkova dolina valley SE Trenčianske Teplice (7175 DFS), 48°52.7'N, 18°11.5'E, 360 m a.s.l., 12.vii.2009, 2 ♂♂, 7 ♀♀; all P. Chvojka et J. Lukáš leg., P. Chvojka det. (1 ♂, 1 ♀ coll. J. Lukáš).

Distribution. This species, known from central and western Europe, was also recently recorded from the Moravian Carpathians (Czech Republic) (Chvojka et al. 2009). Slovak findings extend the range of species further to the north-east. New species for Slovakia.

Hydroptilidae

Hydroptila angulata Mosely, 1922

Material examined. Slovakia occ., Považské podolie basin: Trenčín, Váh river below Skalka (7074 DFS), 48°54.1'N, 18°04.1'E, 214 m a.s.l., 11.viii.2005, 1 ♂; Trenčín-Biskupice, Váh river (7174 DFS), 48°52.9'N, 18°00.5'E, 198 m a.s.l., 21.vii.2007, 1 ♂; both J. Lukáš leg., P. Chvojka det.

Distribution. Species widely distributed in Europe, through Russia and Central Asia to China and Korea (Malicky 1997). New species for Slovakia.

Hydropsychidae

Hydropsyche botosaneanui Marinković-Gospodnetić, 1966

Material examined. Slovakia sept., Liptovská kotlina basin, Revúca river S Ružomberok (6981 DFS), 49°03.2'N, 19°18.1'E, 500 m a.s.l., 29.v.2009, 2 ♂♂, J. Lukáš leg., P. Chvojka det. (1 ♂ coll. J. Lukáš).

Distribution. Widely distributed in southeastern and central Europe, however its distribution is still insufficiently known (Malicky 2005), recently proved also from the Ukrainian Eastern Carpathians (Szczęsny & Chvojka 2008). New species for Slovakia.

Phryganeidae

Hagenella clathrata (Kolenati, 1848)

Material examined. Slovakia occ., Borská nížina lowland, peatbog 5 km SW Moravský Svätý Ján (7467 DFS), 48°34.2'N, 16°57.3'E, 150 m a.s.l., 10.iv.2007, 1 larva, 15.vii.2007, 1 ♂, both J. Lukáš leg., det. et coll.

Distribution. A European species, known from central, western and northern Europe, including European Russia (Wiggins 1998), widely distributed but local. New species for Slovakia.

Limnephilidae

Limnephilus elegans Curtis, 1834

Material examined. Slovakia occ., Borská nížina lowland, peatbog 5 km SW Moravský Svätý Ján (7467 DFS), 48°34.2'N, 16°57.3'E, 150 m a.s.l., 10.iv.2007, 1 larva, 15.vi.2007, 1 ♂, both J. Lukáš leg., det. et coll.

Distribution. Species distributed from western, central, and northern Europe, across European Russia, southern Siberia to Russian Far East (Nimmo et al. 1997). New species for Slovakia.

Acrophylax sowai Szczęsny, 2007

Material examined. Slovakia sept., Western Tatras, Tichá dolina valley, Tichý potok stream (6885 DFS), 49°11.3'N, 19°54.8'E, 1020 m a.s.l., 10.v.2007, 2 ♂♂, J. Lukáš leg. et coll., I. Krno det.

Distribution. This taxon has been known for a long time from the Slovak Tatras (e.g. Mayer 1936, Bitušík et al. 1989, Chvojka & Novák 2001), however it was listed as *A. vernalis* auct.; *A. vernalis* Dziędzielewicz, 1912 is an endemic species of the Eastern Carpathians (Szczęsny 2007).

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SOUHRN

V práci jsou uvedeny nálezy pěti nových druhů chrostíků (*Synagapetus dubitans* McLachlan, 1879 (Glossosomatidae), *Hydroptila angulata* Mosely, 1922 (Hydroptilidae), *Hydropsyche botosaneanui* Marinković-Gospodnetić, 1966 (Hydropsychidae), *Hagenella clathrata* (Kolenati, 1848) (Phryganeidae) a *Limnephilus elegans* Curtis, 1834 (Limnephilidae)) pro faunu Slovenska. Dříve uváděné nálezy *Acrophylax vernalis* auct. z Vysokých a Nízkých Tater se vztahují k nově popsánému druhu *A. sowai* Szczęsny, 2007. V současné době je z území Slovenska spolehlivě prokázáno 226 druhů chrostíků.

