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# New faunistic records of Trichoptera (Insecta) from the Czech Republic, IV

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Komzák P & Kroča J. 2011: New faunistic records of Trichoptera (Insecta) from the Czech Republic, IV. *Acta Musei Moraviae, Scientiae biologicae* (Brno) **96(1):** 189–192. – Three species of caddis fly, *Hydroptila ivisa* Malicky, 1972, *Polycentropus schmidi* Novák et Botosaneanu, 1965, and *Drusus carpathicus* Dziędzielewicz, 1911 are reported from the Czech Republic for the first time. New data on the occurrence of *Hydroptila angustata* Mosely, 1939, *Hydroptila tineoides* Dalman, 1819, and *Hydropsyche botosaneanui* Marinković-Gospodnetić, 1966, rare species in the Czech Republic, are presented.

**Key words.** Trichoptera, caddis, Czech Republic, faunistics, new records

## Introduction

Previous to this publication, 255 species of caddisflies had been recorded within the territory of the Czech Republic (Chvojka & Komzák 2008, Chvojka *et al*. 2009). Reported here are three additional species discovered in the course of intensive faunistic research in the Beskydy Protected Landscape Area and the Bílé Karpaty Protected Landscape Area. Further faunistic data on several rare species are also presented in this paper. Codes of the central European mapping grid (Ehrendorfer & Hamann 1965) follow Pruner & Míka (1996).

## Results and discussion

### *Hydroptila angustata* Mosely, 1939

**Vizovická vrchovina Highland**: Luhačovický potok Stream below Dolní Lhota (6872), 285 m a.s.l., 9.x.2010, 2 ♂, P. Komzák leg., det. et coll.

**Remarks.** Known from the Mediterranean, central Europe, the Balkan Peninsula, the Near East, and central Asia. This species was published from the Czech Republic (southern Bohemia) for the first time only recently, on the basis of one light-trapped male specimen (Chvojka & Novák 2001) and it is considered to be critically endangered (Chvojka *et al*. 2005). The present finding documents its further presence in the foothills of the Czech part of the Bílé Karpaty Mts.

### *Hydroptila ivisa* Malicky, 1972

**Moravskoslezské Beskydy Mts.:** Morávka river 1.5 km below the Morávka reservoir (6477), 456 m a.s.l., 23.vi.2008, 3 ♂ 11 ♀, light trap, J. Kroča leg., P. Komzák det. et coll.

**Remarks.** New species for the Czech Republic. Known from several European countries: Germany, Austria, Switzerland, Italy, France, Slovenia, and Bulgaria.

### *Hydroptila tineoides* Dalman, 1819

**Podbeskydská pahorkatina Upland:** Bahno brook, Skalice – Záhoří (6376), 353 m a.s.l., 12.v.–26.v.2009, 1 ♀, Malaise trap; 15.vii.–20.viii.2009, 1 ♀, Malaise trap, all J. Kroča leg. et coll., P. Komzák det.
**Moravskoslezské Beskydy Mts.:** Morávka river 1 km above its confluence with the Mohelnice stream (6376), 419 m a.s.l., 6.viii.2008, 1 ♀, light trap, J. Kroča leg., P. Komzák det. et coll. Morávka river 1.5 km below the Morávka reservoir (6477), 456 m a.s.l., 23.vi.2008, 1 ♀, light trap, J. Kroča leg., P. Komzák det. et coll.

**Remarks.** This species, widely distributed in Europe and Turkey, is very rare in the Czech Republic (critically endangered species – Chvojka *et al*. 2005). The only published records date to the end of the 19th century (Klapálek 1892, 1894, 1901) and come from eastern and central Bohemia; the species has not been proved there since the 1960s (Novák *in litt*.). The findings along the Morávka river are the only recent data on the occurrence of this species, formerly more common, in the Czech Republic.

### *Polycentropus schmidi* Novák et Botosaneanu, 1965

**Podbeskydská pahorkatina Upland:** Bahno brook, Skalice – Záhoří (6376), 353 m a.s.l., 15.vii.–20.viii.2009, 15 ♂, Malaise trap, J. Kroča leg. et coll., P. Komzák det.
**Moravskoslezské Beskydy Mts.:** Morávka river 1.5 km below the Morávka reservoir (6477), 456 m a.s.l., 23.vi.2008, 1 ♂ 1 ♀, light trap, J. Kroča leg., P. Komzák det. et coll. Slavíč stream 500 m above Morávka reservoir (6477), 520 m a.s.l., 23.vi.2008, 1 ♂, light trap, J. Kroča leg. et coll., P. Komzák det.

**Remarks.** New species for the Czech Republic. This species was described from Slovakia (Malá Fatra Mts. – Novák & Botosaneanu 1965) and is also known from Poland, Germany, Austria, France, Switzerland, Hungary, Slovenia, Croatia, and Romania.

### *Hydropsyche botosaneanui* Marinković-Gospodnetić, 1966

**Moravskoslezské Beskydy Mts.:** Morávka river 1.5 km below the Morávka reservoir (6477), 456 m a.s.l., 23.vi.2008, 1 ♂, light trap, J. Kroča leg., P. Komzák det. et coll. Slavíč stream 500 m above Morávka reservoir (6477), 520 m a.s.l., 23.vi.2008, 2 ♂, light trap, J. Kroča leg. et coll., P. Komzák det.

**Remarks.** Distributed in central Europe, Italy, and the Balkan Peninsula. This species was published from the Czech Republic for the first time only recently (Chvojka & Novák 2001) and appears to be quite rare in this territory (vulnerable species – Chvojka *et al*. 2005). New findings document its occurrence in the Moravskoslezské Beskydy Mts as well.

***Drusus carpathicus* Dzięndzielewicz, 1911**

**Moravskoslezské Beskydy Mts.:** Slavíč stream 1.6 km above the Morávka reservoir (6477), 720 m a.s.l., 10.iv.–15.v.2008, 1 ♀, Malaise trap, J. Kroča leg., P. Komzák det. et coll.

**Remarks.** New species for the Czech Republic. This Carpathian species is known from Poland, Slovakia, Ukraine, and Romania. On the territory of the Western Carpathians it has been recorded in springs and the upper sections of streams in the Beskid Żywiecki Mts., the Gorce Mts., the Beskid Niski Mts. and the Tatry Zachodnie Mts. (Szczęsny 1986). Adult specimens were also collected by Sedlák (1963) in the Nízké Tatry Mts. and larvae of this species were documented from the Veľká Fatra Mts. (e.g. Krno 1992) and the Vtáčnik Mts. (e.g. Krno 1993). The current finding in the Moravskoslezské Beskydy Mts. extends the known limit of its occurrence to the north-west.

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