



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

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**Abstract.** *Synagapetus armatus* (McLachlan), *Hydroptila lotensis* Mosely and *Chaetopteryx fusca* Brauer are reported from the Czech Republic for the first time. *Rhyacophila pubescens* Pictet, *Hydroptila angulata* Mosely, *Orthotrichia tragetti* Mosely, *Oxyethira frici* Klapálek, *Oecetis notata* (Rambur) and *Ernodus vicinus* (McLachlan) are recorded as new for Moravia. New data on the occurrence of *Tinodes kimminsi* Sýkora, rare species in the Czech Republic, are added.

### ■ Trichoptera, faunistics, Czech Republic, Bohemia, Moravia, new records

*Rhyacophila pubescens* Pictet, 1834. Moravia mer., left tributary of Kazivec brook 1.5 km SE of Suchov (7171), 400 m a.s.l., 2.viii.2004, 1 ♂, P. Chvojka leg. et det., coll. National Museum, Prague.

In the Czech Republic only verified records were from the Bohemian Karst so far (Klapálek 1894, Chvojka unpubl.), data from Moravia were based on erroneous identifications of larvae (Sedlák pers. comm.). The occurrence of this calcibiont species in Moravia is now proved by the find of the adult.

*Synagapetus armatus* (McLachlan, 1879). Moravia or.: source area E Ploštiny Mt. NW Nedašova Lhota (6874), 1.viii.2004, 2 ♂ 4 ♀, P. Chvojka leg. et det., coll. National Museum, Prague; left tributary of Nedašovka brook SE Nedašov (6974), 1.viii.2004, 3 ♀, P. Komzák leg., det. et coll.

New species for the Czech Republic. Known from the Carpathians in Poland, Slovakia, Hungary, Romania and Ukraine (e.g. Szczęsny 1991, Chvojka & Novák 2001, Nógrádi & Uherkovich 2002), new records from the Moravian part of the White Carpathians represent an extension of its range to the west.

*Hydroptila angulata* Mosely, 1922. Moravia bor.: Štramberk, botanical garden (6474), light trap: ix.2002, 1 ♂; 27.–31.v.2003, 1 ♂; vi.2004, 1 ♂; ix.–x.2004, 1 ♂; Štramberk, Kotouč quarry (6474), at light, 8.viii.2003, 2 ♂; all P. Pavlík leg., P. Komzák det. et coll.; Moravia mer.: pond 2 km NW Hrubá Vrbka (7170), at light, 3.viii.2004, 1 ♂, P. Komzák leg., det. et coll.

New species for Moravia. Widely distributed Palaearctic species, reported from most European countries (Malicky 1997), in the Czech Republic known only from Bohemia (Chvojka & Novák 2001).

*Hydroptila lotensis* Mosely, 1930. Moravia bor.: Štramberk, botanical garden (6474), light trap: viii.2001, 2 ♂; vi.2002, 1 ♀; vii.2002, 1 ♂ 2 ♀; viii.2002, 10 ♂; ix.2002, 14 ♂ 1 ♀; x.2002, 1 ♂; v.2003, 22 ♂ 10 ♀; vi.2003, 18 ♂ 16 ♀; viii.2003, 2 ♂ 10 ♀; vi.2004, 9 ♂ 19 ♀; vii.2004, 2 ♂ 1 ♀; viii.2004, 1 ♂ 1 ♀; ix.–x.2004, 2 ♂ 1 ♀; Štramberk, Kotouč quarry (6474), at light, 8.viii.2003, 1 ♂; all P. Pavlík leg., P. Komzák det. et coll.; Štramberk, Kotouč quarry (6474), at light, 5.vii.2004, 1 ♂ 11 ♀, P. Komzák leg., det. et coll.; Moravia mer.: pond 2 km NW Hrubá Vrbka (7170), at light, 3.viii.2004, 2 ♂ 5 ♀, P. Chvojka et P. Komzák leg. et det., coll. National Museum, Prague et P. Komzák.

New species for the Czech Republic. This western Palaearctic species has been reported also from the neighbouring countries only recently (Malicky 1997, 1999, Chvojka & Novák 2001).

*Orthotrichia tragetti* Mosely, 1930. Moravia bor.: Štramberk, botanical garden (6474), light trap, vi.2003, 1 ♀, P. Pavlík leg., P. Komzák det. et coll.; Štramberk, Kotouč quarry (6474), at light, 5.vii.2004, 2 ♀, P. Komzák leg., det. et coll.

New species for Moravia. Palaearctic species, in Central Europe recorded from Bohemia, Austria, Slovakia

and Hungary (Chvojka 1996, Malicky 1999, Chvojka & Novák 2001, Nógrádi & Uherkovich 2002).

*Oxyethira frici* Klapálek, 1891. Moravia occ., Herálec-Kocanda (6361), light trap, 14.vi.2003, 1 ♂, P. Bína leg., P. Komzák det. et coll.

In the Czech Republic known only from eastern Bohemia from old records (Klapálek 1891). This very rare species was rediscovered in the Bohemian-Moravian borderland after more than one hundred years. For the first time reported from Moravia.

*Tinodes kimminsi* Sýkora, 1962. Bohemia bor.: source area NE Mlýny Mt. NNE Vysoká Lípa (5152), 15.vii.2004, 6 ♂ 4 ♀, P. Chvojka leg. et det., coll. National Museum, Prague.

Rare species in Central Europe, in the Czech Republic known only from the type locality in Central Bohemia (Sýkora 1962).

*Chaetopteryx fusca* Brauer, 1857. Moravia bor.: Štramberk, botanical garden (6474), light trap, x.2001, 2 ♂, P. Pavlík leg.; right tributary of Bařínka brook SE Štramberk (6474), 28.x.2004, 1 ♂ 3 ♀, P. Komzák leg.; Sedlnice brook above Rybské Paseky W Štramberk (6474), 28.x.2004, 2 ♂, P. Komzák leg.; all P. Komzák det. et coll.

Known from Poland, Austria, Slovakia, Italy, Slovenia and Hungary (Szczęsny 1991, Malicky 1999, Chvojka & Novák 2001, Cianficconi 2002, Krušnik & Urbanič 2002, Nógrádi & Uherkovich 2002). New species for the Czech Republic.

*Oecetis notata* Rambur, 1842. Moravia bor., Štramberk, botanical garden (6474), light trap: vi.2002, 2 ♂ 2 ♀; vii.2002, 4 ♂ 8 ♀; vi.2003, 3 ♂ 6 ♀; all P. Pavlík leg., P. Komzák det. et coll.; Moravia mer., gamekeeper's lodge Doubravka 4 km S Lanžhot (7367), light trap: 16.vi.2004, 1 ♂; 14.vii.2004, 1 ♂; 2.viii.2004, 1 ♂; 6.viii.2004, 2 ♂; 10.viii.2004, 1 ♀; 17.viii.2004, 1 ♂; 20.viii.2004, 1 ♀; all J. Šumpich leg., P. Komzák det. et coll.

Widely distributed Palaearctic species, known from all adjacent regions (Szczęsny 1991, Malicky 1999, Chvojka & Novák 2001, Nógrádi & Uherkovich 2002). New species for Moravia.

*Ernodes vicinus* (McLachlan, 1879). Moravia mer.: spring area alongside left tributary of the Velička river near Hubertova bouda hut 2 km WNW Velká Javořina Mt. (7171), 3.viii.2004, 1 ♂, P. Komzák leg., det. et coll.; spring area below the Velička source (7172), 900 m a.s.l., 3.viii.2004, 1 ♂, P. Chvojka leg. et det., coll. National Museum, Prague.

In the Czech Republic known only from eastern Bohemia (Chvojka & Novák 2001). New species for Moravia.

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## REFERENCES

- Chvojka P., 1996: New faunistic records of Trichoptera (Insecta) from the Czech Republic. – Časopis Národního Muzea, Řada Přírodovědná 165: 131–132.
- Chvojka P. & Novák K., 2001: Additions and corrections to the checklist of Trichoptera (Insecta) from the Czech and Slovak Republics. – Acta Musei Nationalis Pragae, Series B (Historia Naturalis) 56[2000]: 103–120.
- Cianficconi F., 2002: The third list of Italian Trichoptera (1990–2000). – In: Mey W. (ed.): Proceedings of the 10<sup>th</sup> international symposium on Trichoptera. – Nova Supplementa Entomologica 15: 349–358.
- Klapálek F., 1891: I. Dodatky ku seznamu českých Trichopter za rok 1890 [First additions to the checklist of Czech Trichoptera for the year 1890.] – Věstník Královské České Společnosti Náuk, Třída Mathemacko-Přírodovědecká 1890 (2): 176–196. [In Czech.]
- Klapálek F., 1894: Dodatky ku seznamu českých Trichopter za rok 1892 a 1893 [Additions to the checklist of Czech Trichoptera for the years 1892 and 1893.] – Věstník Královské České Společnosti Náuk, Třída Mathemacko-Přírodovědecká 1894 (2): 1–8. [In Czech.]
- Krušnik C. & Urbanič G., 2002: Preliminary list of Slovenian Trichoptera. – In: Mey W. (ed.): Proceedings of the 10<sup>th</sup> international symposium on Trichoptera. – Nova Supplementa Entomologica, 15: 359–364.
- Malicky H., 1997: Die mediterranen, vorderasiatischen und europäischen Arten der *Hydroptila sparsa* – Gruppe (Trichoptera, Hydroptilidae). – Entomologische Berichte Luzern 38: 137–153.
- Malicky H., 1999: Eine aktualisierte Liste der österreichischen Köcherfliegen (Trichoptera). – Braueria 26: 31–40.
- Nógrádi S. & Uherkovich Á., 2002: Magyarországi tegzesei (Trichoptera) [The caddisflies of Hungary.] – Dunántúli Dolgozatok (A) Természettudományi Sorozat 11: 1–386. [In Hungarian.]
- Sýkora J., 1962: Some remarks on the distribution of the genus *Tinodes* in Czechoslovakia and description of *Tinodes kimminsi* sp.n. (Trichoptera). – Acta Faunistica Entomologica Musei Nationalis Pragae 8: 87–90.
- Szczęsny B., 1991: 25. Trichoptera – Chruščíki. – In: Razowski J. (ed.): Checklist of Animals of Poland 2 (part 32/25–29, part 33–43): 7–13. Wrocław: Ossolineum.