
FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 283

Hymenoptera: Apocrita:**Chrysidoidea: Bethyridae**

Bethylus pilosus Kieffer, 1904. Bohemia bor., Malnice (5648), ruderal vegetation, 7.-8.vii.2007, 1 ♂, swept, P. Bogusch lgt. et coll., J. Macek det.; Bohemia or., Pardubice – Polabiny (5960), meadow at the park, 13.viii.2007, 2 ♂♂, P. Bogusch lgt., J. Macek det., coll. P. Bogusch et National Museum, Prague. Distribution: the Netherlands, southern France, Italy (Gordh & Móczár 1990). This species was reported from the Czech Republic by Strejček (1989), but reexamination of the specimen showed it to be misidentified. Macek et al. (2007) deleted the species from the fauna of the Czech Republic. Here, we provide the first reliable records. New species for the Czech Republic.

Chrysidoidea: Chrysididae

Chrysis graelsii sybarita Förster, 1853. Bohemia occ., Sušice (6747), limestone quarry, 1.vi.2007, 1 ♀, swept; Sušice (6747), steppe at the quarries, 26.vi.-25.vii.2007, 1 ♀, yellow pan trap, both J. Erhart lgt. et coll., M. Halada det.; Bohemia or., Běština env. (6159), 24.vii.2005; 1 ♂, swept, J. Straka lgt., det. et coll.; Moravia mer., Bílovice nad Svitavou env., Hádecká planinka National Nature Reserve (NNR) (6766), 8.vi.2007, 1 ♂, swept, P. Bogusch lgt. et coll., P. Tyrner det.; Bzenec – přívoz env., Váté písky NNR (7069), 10.vii.1998, 1 ♂, D. Vepřek lgt., det. et coll.; Tasovice env., Nad Splavem (7162), 21.v.2009, 1 ♂, P. Bogusch lgt., det. et coll.; Dolní Dunajovice env., Dunajovické kopce National Nature Monument (NNM) (7165), 9.viii.1994, 1 ♂; Lednice env. (7166), 13.vi.1987, 1 ♂, 28.v.1988, 1 ♂, 26.v.1989, 1 ♂, all D. Vepřek lgt., det. et coll.; Ladná env. (7167), 17.vi.2007, 1 spec., R. Udržal lgt. et coll., M. Halada det.; Pánov env. (7168), 12.5.2000, 1 ♂; Valtice env. (7266), 18.vi.2008, 1 ♂, all D. Vepřek lgt., det. et coll.; Břeclav env., Pohansko archaeological reservation (7267), 6.vii.2006, 6 spec.; 16.vi.2007, 4 spec., R. Udržal lgt. et coll., M. Halada det. Distribution: Europe north to Finland, North Africa, and most of Palaearctic Asia (Balthasar 1954, Linsenmaier 1997). Straka (2005a) reported this species as extinct in the Czech Republic. Here, we present numerous recent records. Confirmed occurrence of the species in the Czech Republic.

Chrysis iris Christ, 1791. Bohemia mer., Blatná (6549), forest at Sladovna Pond, 21.v.2006, 1 ♀, P. Bogusch lgt. et coll., P. Tyrner det.; Moravia mer., Břeclav env., Pohansko archaeological reservation (7267), 10.vi.2006, 1 spec.; 17.vi.2006, 1 spec., R. Udržal lgt. et coll., M. Halada det. Distribution: Palaearctic species, in central and northern Europe (Linsenmaier 1997). Straka (2005a) reported this species as extinct in the Czech Republic, although it is not rare in forests and their margins. Here, we present recent confirmed records from the Czech Republic.

Chrysis ragusae De Stefani, 1888. Moravia mer., Bratčice (6965), 11.vii.2008, 1 spec., R. Udržal lgt. et coll., M. Halada det. Distribution: southern Russia, southern Europe (Italy, Corsica, Dalmatia, Hungary, Bulgaria, Greece, Anatolia), south-western Asia, and Kováčovské kopce in Slovakia (Balthasar 1954, Linsenmaier 1997). This blue coloured species has previously been recorded from Slovakia. Here, we present the first reliable record from the Czech Republic.

Chrysis splendidula Rossi, 1790. Moravia centr., Kosíř (6468), 15.vi.1996, 1 spec., D. Vepřek lgt., det. et coll.; Moravia mer., Bratčice (6965), 22.v.2005, 1 spec., 10.vi.2006, 1 spec., 17.vi.2006, 1 spec., 10.viii.2006, 1 spec., 26.vii.2008, 4 spec., R. Udržal lgt. et coll., M. Halada det.; Pouzdřany env., Pouzdřanská step NNR (7065), steppe, 25.iv.2007, 1 ♀; Poštorná env., Boří Les railway station (7267), 17.vi.2007, 1 ♀, both P. Bogusch lgt. et coll., P. Tyrner det. Distribution: warmer parts of Europe (south and central), Turkey, Saudi Arabia, Caucasus, Syria, North Africa (Balthasar 1954, Kunz 1994). Straka (2005a) reported this species as extinct in the Czech Republic, although Straka et al. (2004), and later also Tyrner (2007) published recent records from warmer parts of Bohemia. Here we present recent records from Moravia. Confirmed occurrence in the Czech Republic.

Cleptes semicyaneus Tournier, 1879. Moravia mer., Pouzdřany env., Kolby NNR (7165), 1.vi.2007, 1 ♂, swept, P. Bogusch lgt., P. Tyrner det. et coll. Distribution: the Netherlands, Poland, Austria, Hungary, Russia and Slovakia (Kunz 1994, Tyrner 2007). Rare species known in Europe only from a few records. New species for the Czech Republic.

Elampus spinus (Lepeletier, 1806). Moravia mer. or., Pánov (7168), 18.vii.1996, 1 spec., 9.viii.1996, 1 spec., 12.v.2002, 2 spec., all D. Vepřek lgt., det. et coll. Distribution: southern and central Europe north to Austria and Slovakia, western part of Asia, Egypt, Morocco (Linsenmaier 1999). Another species supposed by Straka (2005a) to be extinct in the Czech Republic. Here, we present recent records of its occurrence in the Czech Republic.

Hedychridium femoratum (Dahlbom, 1854). Bohemia centr., sand dunes at Písty Nature Monument (NM) (5856), 23.vii.2006, 5 spec.; 25.vii.2006, 7 spec.; 30.vii.2006, 2 spec.; 8.viii.2008, 1 spec., R. Udržal lgt. et coll., M. Halada det.; Moravia mer., Znojmo env., Tasovice – Hodonice, sand quarry (7162), 29.-30.vii.2008, 1 ♀, yellow pan traps, J. Farkač, J. Straka et V. Vrabec lgt., J. Straka det. et coll. Distribution: south and central Europe, North Africa, Palestine (Balthasar 1954). Rare species of sandy habitats, recorded only from Bohemia (Balthasar 1854), recently reported as extinct in the Czech Republic (Straka 2005a). Here, we present recent records from the Czech Republic and the first reliable record for Moravia.

Holopyga fervida (Fabricius, 1781). Moravia mer., Bratčice (6965), 10.vi.2006, 1 spec., R. Udržal lgt. et coll., M. Halada det.; Čejč (7067), 7.vii.2006, 11 spec., R. Udržal lgt. et coll., M. Halada det.; ditto, 11.vii.2008, 8 ♀♀, D. Vepřek lgt., det. et coll. Distribution: Europe up to 65°N, Crete, North Africa, Syria, Palestine (Balthasar 1954, Kunz 1994). Formerly a fairly common species in sandy habitats (Balthasar 1954), recently reported as extinct in the Czech Republic (Straka 2005a). Háva & Tyrner (2009) have reported this species in central Bohemia. Here, we present additional recent records from the Czech Republic.

Pseudomalus triangulifer (Abeille de Perrin, 1877). Moravia occ., Dlouhá Loučka, Dlouholoučské stráně NR (Nature Reserve) (6265), 12.viii.2008, 1 ♀, forest margin, swept, P. Bogusch lgt., det. et coll., P. Tyrner revid. Distribution: probably the whole of Europe, but nowhere is this species numerous (Linsenmaier 1997). This species was recently reported from Bohemia (Tyrner 2007), and does not appear to be very rare, but sparsely distributed throughout the Czech Republic. New species for Moravia.

Trichrysis pumilionis Linsenmaier, 1987. Moravia mer., Bratčice (6965), 5.vii.2006, 1 spec.; 20.vii.2006, 1 spec., both R. Udržal lgt. et coll., M. Halada det. Distribution: southern and central Europe, North Africa, Sudan, Palestine, Syria, Iran, Caucasus (Balthasar 1954, Linsenmaier 1997). Rare species, previously referred to by the name *Chrysidea pumila* Klug, 1845. This species was previously known from southern parts of Moravia, but Straka (2005a) reported it as extinct in the Czech Republic. Here, we confirm its recent occurrence in the Czech Republic.

Vespoidea: Mutillidae

Physetopoda cingulata (A. Costa, 1858). Moravia mer., Brno – Horní Heršpice (6865), railway station, swept on flower of *Daucus carota*, 7.vii.2008, 1 ♂, P. Bogusch lgt., det. et coll. Distribution: very rare species throughout Europe, known from Italy, Greece, Russia and Kyrgyzstan (Lelej 2002), in central Europe from Slovakia and Hungary (Bogusch 2006, 2007). This record represents the first reliable find in the Czech Republic. New species for the Czech Republic.

Vespoidea: Pompilidae

Anoplius concinnus (Dahlbom, 1843). Distribution: Scandinavia, western and central Europe, southern Europe, Morocco, not known from Albania, Portugal, Spain, Sardinia, Italy or the Asiatic part of Turkey (Wolf 1971). This species is well known from the Czech Republic and Slovakia; Baťa et al. (1938) considered it to be common, and Wolf (1971) listed more localities from the Czech Republic and Slovakia. However, Straka (2007) erroneously omitted this species from the checklist of Pompilidae. Recent records from the Czech Republic have been confirmed e.g. by Bogusch et al. (2006), from Slovakia by P. Bogusch (unpublished data).

Cryptocheilus fabricii (Van der Linden, 1829). Moravia mer. or., Bzenec – přívóz, Váté písky NNR (7069), 3.ix.1997, 1 ♀; Pánov (7168), 2.ix.2001, 1 ♀, both D. Vepřek lgt., det. et coll. Distribution: Europe to southern Finland, Turkey, Mongolia, China (Wolf 1971). This species formerly occurred in the warmer parts of both Bohemia and Moravia. Straka (2005b) reported it as extinct in the Czech Republic. Here, we present recent data, which confirm its recent occurrence in the Czech Republic.

Vespoidea: Vespidae

Ancistrocerus auctus (Fabricius, 1793). Bohemia bor., Malnice (5648), 10.vi.2007, 1 ♂, P. Bogusch lgt., J. Gusenleitner det., L. Dvořák coll. Gusenleitner (1999a) recently split this

species from the closely related *A. renimacula* (Lepeletier, 1841). Gusenleitner (1995) reports *A. auctus* from southern and south-eastern Europe northwards up to the Czech Republic, and also from the Near East and central Asia. From the Czech Republic, Dvořák & Straka (2007) only listed *A. auctus* from Moravia. First record from Bohemia.

Ancistrocerus scoticus (Curtis, 1826). Bohemia bor., České středohoří Protected Landscape Area (PLA), Srdov (5451), 7.viii.1984, 1 ♂, P. Tyrner lgt. et det., L. Dvořák revid. et coll. Palaearctic species known from Europe, the Middle East, and Asia east to the Kamchatka Peninsula (Gusenleitner 1995). Only a few records more than 50 years old were known from the Czech Republic, so Straka (2005b) reported this species as extinct in our country. Confirmed recent occurrence in the Czech Republic.

Eumenes coarctatus lunulatus (Fabricius, 1804). Bohemia mer., Koroseky (7052), 13.vii.1941, 1 ♀, L. Bařa lgt., P. Bogusch det. et coll.; Moravia mer., Dolní Dunajovice env., Dunajovské kopce NNM (7165), 26.vi.1993, 1 ♀; Poštorná env., Františkův rybník pond NR vicinity (7267), 7.vii.2001, 1 ♀, both D. Vepřek lgt., det. et coll.; Poštorná env., Boří Les railway station (7267), 18.viii.2008, 1 ♂, 1 ♀, swept, P. Bogusch lgt., det. et coll., all L. Dvořák revid. Distribution: southern Europe, northwestern Africa, and south-western Asia up to central Asia – Kazakhstan, Tajikistan (Gusenleitner 1999b). Straka (2005b) reported this subspecies as extinct in the Czech Republic, but it was subsequently confirmed from Moravia by Dvořák & Straka (2007), without any comments or faunistic data. New species for Bohemia and confirmed recent occurrence in Moravia.

Apoidea: Crabronidae

Nysson distinguendus Chevrier, 1867. Bohemia centr., Praha – Běchovice, Písečný vršek hill (5953), 20.vi.1998, 1 ♂, 2.vii.1998, 1 ♀, yellow pan traps, J. Straka lgt., det. et coll.; Praha – Hloubětín, Cihelna v Bažantnici NM (5853), 28.v.1998, 1 ♂, 1 ♀, 22.vi.1998, 2 ♀♀, 1 ♀, 7.vii.1998, 1 ♀, yellow pan traps, J. Straka lgt., det. et coll.; Praha – Horní Počernice, Chvalský lom NM (5853), 28.vi.1997, 1 ♀, 5.vii.1997, 1 ♀, 3.vi.1998, 2 ♀♀, 20.vi.1998, 1 ♂, 1 ♀, 28.vi.1998, 1 ♂, 1 ♀, 3.viii.1998, 1 ♂; yellow pan traps, J. Straka lgt., det. et coll.; Bohemia or., Hradec Králové, Na Plachtě NM (5861), 24.vi.2008, 1 ♂, swept, P. Bogusch lgt., det. et coll.; Moravia mer., Bzenec – přívóz env., Váté písky NR (7069), 31.v.2002, 3 ♀♀, 5 ♂♂, swept, J. Straka lgt., det. et coll. Distribution: almost all of Europe, Asia Minor, Kazakhstan (Blösch 2000). Nest cleptoparasite of the digger wasp *Harpactus elegans* (Lepeletier, 1832); sibling species of *N. dimidiatus* Jurine, 1807. It is known to us as a problematic taxon, but has never been published from the Czech Republic. Thus, this species was not included in the checklist (Vepřek & Straka 2007). New species for the Czech Republic.

Apoidea: Apidae

Nomada braunsiana Schmiedeknecht, 1882. Moravia occ., Dlouhá Loučka, Dlouholoučské stráně NR (6265), 31.v.2008, meadow above the forest-steppe, swept, 1 ♀, P. Bogusch lgt., det. et coll.; Moravia mer. or., Bílé Karpaty PLA, Búrová NM (7171), 9.vi.2008, 1 ♀, V. Hula lgt., P. Bogusch det. et coll. Distribution: southern and central Europe up to Germany, Czech

Republic, and Poland, northwestern Russia, not recorded in former Yugoslavia, Romania, Bulgaria, or Portugal (Scheuchl 2000, Noyes 2004). Nest cleptoparasite of *Andrena pandellei* Pérez, 1895 and probably also *A. curvungula* Thomson, 1870 and *A. paucisquama* Noskiewicz, 1924 (Scheuchl 2000). Straka (2005c) reported this species as extinct in the Czech Republic, although its hosts are present and *Andrena pandellei* is widely distributed and quite common. Confirmed occurrence in the Czech Republic.

Nomada mutabilis Morawitz, 1870. Moravia mer., Brno – Horní Heršpice (6865), railway station, swept, 7.vii.2008, 1 ♂; Bratčice env. (6965), 21.v.2009, 1 ♂, P. Bogusch lgt., det. et coll. Distribution: south-west Europe up to Germany and Poland, Lithuania, north-west Russia, not found in south-eastern Europe – i.e. Romania, Bulgaria, Greece, former Yugoslavia (Scheuchl 2000, Noyes 2004). Nest cleptoparasite of the rare thermophilous bee *Andrena chrysopyga* Schenck, 1853 (Scheuchl 2000). Straka (2005c) reported this species as extinct in the Czech Republic. Confirmed occurrence in the Czech Republic.

Nomada stigma Fabricius, 1804. Bohemia or., Kunětická hora hill (5960), western part, 3.vii.2008, 1 ♀, B. Mocek lgt., P. Bogusch det. et coll.; Moravia mer., Pálava PLA, Děvín NNR (7165), 3.vi.2009, 1 ♀, P. Bogusch lgt., det. et coll. Distribution: Europe up to Scandinavia, absent in Bulgaria, Romania, and Greece (Scheuchl 2000, Noyes 2004). Nest cleptoparasite of the steppe species *Andrena labialis* (Kirby, 1802) and *A. decipiens* Schenck, 1861 (Scheuchl 2000). Straka (2005c) reported this species as extinct in the Czech Republic. Confirmed occurrence in the Czech Republic.

Apoidea: Andrenidae

Andrena hypopolia Schmiedeknecht, 1883. Moravia mer., Znojmo env., Tasovice–Hodonice, sand quarry (7162), 29.-30.vii.2008, 1 ♀, yellow pan traps, J. Farkač, J. Straka et V. Vrabec lgt., J. Straka det., coll. L. Larkin. Distribution: southern and south-eastern Europe, north to Germany, Moravia and Slovakia (Westrich 1990, Schmid-Egger & Scheuchl 1997, Straka et al. 2007). Straka (2005a) reported this species as extinct in the Czech Republic. Here, we present a recent record from the Czech Republic.

Andrena pontica Warncke, 1972. Moravia occ., Přímělkov (6660), forests and meadows of Brtnice NR, 18.vii.2007, 1 ♀, L. Dvořák lgt., P. Bogusch det. et coll., J. Straka revid. Distribution: central Europe – Czech Republic, Poland, Hungary, Austria, Romania, and Slovenia (Noyes 2004). Schmid-Egger & Scheuchl (1997) report it for south-eastern Europe and Austria. There is also a record from Moravia (Straka et al. 2007), but the specimen is probably lost. Confirmed occurrence and maybe the first reliable record for the Czech Republic.

Andrena simontornyella Noskiewicz, 1939. Moravia mer., Dolní Věstonice env. (7165), 13.iv.2008, 1 ♀, yellow pan traps, J. Batelka lgt., J. Straka det., coll. L. Larkin. Distribution: Mediterranean, North Africa, Near East and southern Europe north to Austria and Hungary (Gusenleitner & Schwarz 2002). New species for the Czech Republic.

Andrena trimmerana (Kirby, 1802). Moravia mer., Pouzdřany env., Pouzdřanská step NNR (7165), steppe, 30.iii.2007, 1 ♂, swept from flowers of *Prunus* sp., P. Bogusch lgt., det.

et coll.; Dolní Věstonice env. (7165), 5.iv.2008, 1 ♂, yellow pan traps, J. Batelka et J. Straka lgt., J. Straka det. et coll.; ditto, 6.iv.2009, 1 ♂, P. Bogusch lgt., det. et coll. Distribution: United Kingdom, France, Spain, Corsica, central Europe, in the Czech Republic only one reliable historical record from eastern Bohemia, the record from Moravia being a misidentification of the common species *A. carantonica* Pérez, 1902 (Kocourek 1966). Straka (2005c) reported this species as extinct in the Czech Republic, referring to the misidentified specimen. First reliable records for the Czech Republic.

Andrena truncatilibris F. Morawitz, 1878. Moravia mer., Újezd u Brna env., Špice National Reserve, (6866), 20.vi.2008, 1 ♀, swept, J. Straka lgt. et det., coll. L. Larkin; Tasovice – Hodonice env., sand quarry (7162), 21.v.2009, 1 ♀, 1 ♂, P. Bogusch lgt., det. et coll. Distribution: North Africa, southern Europe, north to Moravia and Slovakia, Turkey, Caucasus, Near and Middle East (Gusenleitner & Schwarz 2002, Straka et al. 2007). Straka (2005a) reported this species as extinct in the Czech Republic. Here, we present recent records from Moravia.

Apoidea: Halictidae

Halictus smaragdulus Vachal, 1895. Moravia mer., Znojmo env., Tasovice – Hodonice, sand quarry (7162), 29.-30.vii.2008, 1 ♀, yellow pan traps, J. Farkač, J. Straka et V. Vrabec lgt., J. Straka det. et coll. Distribution: Mediterranean region, from Morocco, throughout southern Europe to the Near East, north to southern Germany, Moravia and Slovakia, east to Kyrgyzia (Ebmer 1969, Westrich 1990, Amiet et al. 2001, Straka et al. 2007). Straka (2005a) reported this species as extinct in the Czech Republic. Here, we present a recent record from the Czech Republic.

Lasioglossum pseudocaspicum (Blüthgen, 1924). Moravia mer., Sedlec env., meadow at the Nesyt pond (7266), 5.iv.2008, 1 ♀, yellow pan traps, J. Batelka et J. Straka lgt., J. Straka det. et coll. Distribution: Eastern Europe and Turkey (Ebmer 1970), also recently found in Austria and Poland (Noyes 2004). New species for the Czech Republic.

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Lin. (Hymenoptera, Apidae). Teil I. *Naturkundliches Jahrbuch der Stadt Linz*, 1969: 133-183. – EBMER A. W. 1970: Die Bienen des Genus *Halictus* Latr. s. I. in Grossraum von Linz (Hymenoptera, Apidae). Teil II. *Naturkundliches Jahrbuch der Stadt Linz*, 1970: 19-82. – GORDH G. & MÓCZÁR L. 1990: A catalog of the world Bethyliidae (Hymenoptera: Aculeata). *Memoirs of the American Entomological Institute*, 46: 1-364. – GUSENLEITNER F. & SCHWARZ M. 2002: Weltweite Checkliste der Bienengattung *Andrena* mit Bemerkungen und Ergänzungen zu Paläarktischen Arten (Hymenoptera, Apidae, Andreninae, *Andrena*). *Entomofauna*, Suppl. 12: 1-1280. – GUSENLEITNER J. 1995: Bestimmungstabellen mittel- und südeuropäischer Eumeniden (Vespoidea, Hymenoptera). Teil 4: Die Gattung *Ancistrocerus* Wesmäl 1836 mit einem Nachtrag zum Teil 1: Die Gattung *Leptochilus* Saussure. *Linzer Biologische Beiträge*, 27: 753-775. – GUSENLEITNER J. 1999a: Bestimmungstabellen mittel- und südeuropäischer Eumeniden (Vespoidea, Hymenoptera), Teil 10. Die Gattung *Allodynerus* Blüthgen 1938 mit Nachträgen zum Teil 1: Die Gattung *Leptochilus* Saussure und Teil 4; Die Gattung *Ancistrocerus* Wesmäl. *Linzer Biologische Beiträge*, 31: 93-101. – GUSENLEITNER J. 1999b: Bestimmungstabellen mittel- und südeuropäischer Eumeniden (Vespoidea, Hymenoptera), Teil 11. Die Gattungen *Discoelius* Latreille 1809, *Eumenes* Latreille 1802, *Katamenes* Meade-Waldo 1910, *Delta* Saussure 1855, *Ischnogasteroides* Magretti 1884 und *Pareumenes* Saussure 1855). *Linzer Biologische Beiträge*, 31: 561-584. – HÁVAJ. & TYRNER P. 2009: Zlatěňky (Hymenoptera: Chrysidoidea: Chrysididae) „PR Údolí Ůnětického Potoka“. 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Petr BOGUSCH, Department of Biology, University of Hradec Králové, Rokitsanského 62, CZ-500 03 Hradec Králové, Czech Republic; e-mail: bogusch.petr@gmail.com

Dušan VEPŘEK, Nábřeží Dr. E. Beneše 2, CZ-750 00 Přerov, Czech Republic
Radek UDRŽAL, Na hrádku 2575, CZ-530 02 Pardubice, Czech Republic

Libor DVOŘÁK, Šumava National Park Administration, Dept. of Research and Nature Protection, Sušická 399, CZ-341 92 Kašperské Hory, Czech Republic

Jakub STRAKA, Department of Zoology, Charles University in Prague, Viničná 7, CZ-128 44 Praha 2, Czech Republic; e-mail: straka-jakub@mbox.vol.cz