

New records of *Diadocidiidae*, *Keroplastidae* and *Mycetophilidae* (Diptera: *Sciaroidea*) from the Czech Republic

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New records of *Diadocidiidae*, *Keroplastidae* and *Mycetophilidae* (Diptera: *Sciaroidea*) from the Czech Republic. - Čas. Slez. Muz. Opava (A), 50: 159-169, 2001.

Abstract: Fifty species of fungus gnats (Diptera: *Sciaroidea*) are recorded from the Czech Republic, out of which 28 species are new for the fauna of the Czech Republic, 13 species are new for Bohemia and 9 for Moravia and Silesia. *Exechia dentata* Lundström, 1916 is reinstated as a valid species. The following species are for the first time recorded from central Europe: *Diadocidia borealis* Coquillet, 1900; *Macrocera zetterstedii* Lundström, 1914; *Acnemia falcata* A. Zaitzev, 1982; *Neuratelia sintenisi* Lackschewitz, 1937; *Drepanocercus spinistylus* Šli, 1993; *Mycetophila attonsa* (Laffoon, 1957) and *Trichoua pulchra* Gagné, 1981. *Fomitopsis pinicola* (Sowerby) P. Karst. is recorded as a host fungus for *Mycetophila attonsa* (Laffoon, 1957) and *Polyporus ciliatus* Fr. as a host fungus for *Mycetophila strigatoides* (Landrock, 1927).

Key words: fungus gnats, *Sciaroidea*, Diptera, Insecta, faunistics, checklist, Czech Republic.

Introduction

In the last checklist of the Czech and Slovak Diptera (Chvála 1997), 347 species of the family *Mycetophilidae*, 3 species of *Diadocidiidae* and 39 species of *Keroplastidae* (incl. *Macrocerinae*) were reported from the Czech Republic. Since that time, 82 species of *Mycetophilidae* and 8 species of *Keroplastidae* have been added by Ševčík (1999a,b), Ševčík & Martinovský (1999), Martinovský & Barták (2000) and Chandler (2001).

In this paper, new records of fungus gnats from the Czech Republic, as well as from the major parts of this country (Bohemia and Moravia & Silesia) are provided. Including these records, the Czech fauna of *Mycetophilidae* now comprises 429 species, which is still about three fourths of the actual species richness in this country expected by the author.

Material and methods

A major part of the material reported in this paper has been collected by M. Barták, Š. Kubík and J. Roháček during their systematic survey of the dipterous fauna of nine peat-bogs in the Šumava Mts. For descriptions of particular localities see Roháček & Barták (1999). The other specimens have been collected by the Czech dipterists J. Martinovský, J. Máca, P. Lauterer and by the author of this paper in various localities and habitats within the Czech Republic. The voucher specimens are deposited in the author's collection unless stated otherwise.

Survey of species

Diadocidiidae

Diadocidia (Adidocidia) borealis Coquillet, 1900

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.v.-17.vi.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species was described from the Nearctic region and recently recorded by Ökland (1995) from Norway. Probably a boreomontane species, hitherto not recorded from central Europe. First record from the Czech Republic.

Keroplastidae

Asindulum nigrum Latreille, 1805

Material examined: **Moravia & Silesia**, Bludov near Zábřeh na Moravě, 28.8.1958, 1/0; Doupě near Bažantka, 5.9.1978, 1/0, both P. Lauterer leg. (Moravian Museum, Brno).

A sporadically collected species, within the Czech Republic recorded from Bohemia (Laštovka 1987, Košel et al. 1997) without any concrete data. This is the first record from Moravia and occurrence confirmed in the Czech Republic.

Macrorrhyncha collarti Tollet, 1955

Material examined: **Bohemia**, Šumava Mts., Chalupská slat', peat-bog, 5.8.-29.9.1996, 2/0, M. Barták & J. Roháček leg. (Malaise trap); Šumava Mts., Rokytecká slat', peat-bog, 20.8.-24.9.1999, 4/2, M. Barták & Š. Kubík leg. (Malaise trap).

Chandler (1995) recorded this species from two localities in Slovakia and these are the first known localities in the Czech Republic.

Pyratula perpusilla (Edwards, 1913)

Material examined: **Bohemia**, Chomutov - Libouš, near brook, 17.7.-19.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

A little-known, apparently rare species, hitherto recorded from several localities in Western Europe. This is the first record from the Czech Republic.

Macrocera zetterstedti Lundström, 1914

Material examined: **Bohemia**, Šumava Mts., Malá niva, peat-bog, 15.-17.5.1997, 1/0, M. Barták & J. Roháček leg. (yellow pan traps); Šumava Mts., Nová Hůrka, peat-bog, 18.5.-16.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

A rare mountain species, hitherto known from northern Europe and Great Britain. This is the first record from central Europe.

Mycetophilidae

Acnemia falcata A.Zaitzev, 1982

Material examined: **Moravia & Silesia**, Hrubý Jeseník Mts., Vysoký vodopád Nature Reserve, 8.viii.2000, 2/0, J. Ševčík leg.

Only one male specimen (holotype) of this species, collected at the Kola Peninsula, has been known up to the present (Zaitzev 1994). The first record from the Czech Republic, as well as from central Europe.

Neuratelia sintenisi Lackshewitz, 1937

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 2/0, M. Barták & Š. Kubík leg. (Malaise trap).

This very rare species has not been collected since its description (based on a male collected in

Estonia) and it is therefore the first record from central Europe.

***Drepanocercus spinistylus* Söli, 1993**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.v.-17.vi.1999, 5/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species has been recently described from Norway. Probably a boreomontane species, hitherto not recorded from central Europe. The first record of the genus and species from the Czech Republic.

***Ectrepesthoneura tori* A.Zaitzev & Ökland, 1994**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, spruce forest, 18.v.-15.vi.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species was described from two localities in Norway and subsequently recorded from Germany (Kallweit & Plassmann 1999). The first record from the Czech Republic.

***Mycetophila attonsa* (Laffoon, 1957)**

Czech material examined: **Bohemia**, Šumava Mts., Kyselovský les, peat-bog, 21.8.-27.9.1997, 1/0, M. Barták & J. Roháček leg. (Malaise trap); Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Hrubý Jeseník Mts., Mt. Praděd, Bílá Opava Valley, leg. 20.7.2000, ex 3.8.2000, 2/0, reared from fungus *Fomitopsis pinicola*, J. Ševčík leg.

Additional material studied: Holotype - USA, Idaho, Moscow Mt., 28.8.1916, 1/0, A.L. Melander leg. (Academy of Natural Sciences, Philadelphia); USA, Idaho, Kootenay, August 1974, 1/1, ex *Fomes pinicola* (= *Fomitopsis pinicola*) on *Abies grandis*, Kulhavy leg. (U.S. National Museum).

The holotype and further two Nearctic specimens of this species have been studied to confirm its identity. This species is for the first time recorded from central Europe, as well as from the Czech Republic. *Fomitopsis pinicola* (Sowerby) P.Karst. is here for the first time recorded as a host fungus for *Mycetophila attonsa*, which biology has been unknown up to the present. This fungus gnat apparently follows the Holarctic distribution of its fungus host. Another Holarctic species, *Mycetophila lueta* (Laffoon, 1957), is also associated with this fungus and both species have been reared by me from the same fruiting body.

***Mycetophila autumnalis* Lundström, 1909**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Polanka nad Odrou, Blücherův les, floodplain forest, 27.4.1997, 1/0, J. Ševčík leg. (sweeping); Šilheřovice, Černý les Nature Reserve, beech forest, 1.-12.11.1998, 1/0, J. Ševčík leg. (yellow pan traps).

This species has already been recorded from Bohemia by Martinovský & Barták (2000) and here is recorded as new for Moravia & Silesia.

***Mycetophila mitis* (Johannsen, 1912)**

Material examined: **Moravia & Silesia**, Polanka nad Odrou, Blücherův les, floodplain forest, 14.3.-3.4.1999, 2/0, J. Ševčík leg. (yellow pan traps).

A rare Holarctic species. This is the first record from the Czech Republic.

***Mycetophila morosa* Winnertz, 1863**

Material examined: **Moravia & Silesia**, Hrubý Jeseník Mts., Vrbno pod Pradědem, Jelení bučina Nature Reserve, 21.7.-24.9.1998, 1/0, J. Ševčík leg. (yellow pan traps).

This species is known from several European countries. The first record from the Czech Republic.

***Mycetophila pseudoforcipata* A. Zaitzev, 1998**

Material examined: **Moravia & Silesia**, Šilheřovice, Černý les Nature Reserve, beech forest, 1.-16.6.1998, 1/0; Polanka nad Odrou, Blücherův les, floodplain forest, 14.-27.3.1999, 1/0, both J. Ševčík leg. (yellow pan traps).

This species has hitherto been confused with *M. forcipata* Lundström, 1913 and will be undoubtedly found in many European countries. The differences between both species were described by Zaitzev (1998). First record from the Czech Republic.

***Mycetophila strigatoides* (Landrock, 1927)**

Material examined: **Bohemia**, Šumava Mts., Kyselovský les, peat-bog, 21.8.-27.9.1997, 1/0, M. Barták & J. Roháček leg. (Malaise trap). **Moravia & Silesia**, Ostrava-Michálkovice, mine dump, leg. 9.5.1999, ex 20.5.1999, 1/5, reared from fungus *Polyporus ciliatus* Fr. ex Fr., M. Graca & J. Ševčík leg.; Polanka nad Odrou, Blücherův les, floodplain forest, leg. 26.5.1999, ex 4.-6.6.1999, 4/1, reared from *Polyporus* sp., J. Ševčík leg; Šilheřovice, Černý les Nature Reserve, beech forest, 1.-12.11.1998, 1/0, J. Ševčík leg. (yellow pan traps).

A Holarctic species, which has been recorded by Martinovský & Barták (2000) from Bohemia as new for the Czech Republic. Here is recorded as new for Moravia & Silesia. *Polyporus ciliatus* is the first correctly identified host fungus of *M. strigatoides*, although there are some dubious host records in the literature (cf. Yakovlev 1994).

***Mycetophila unguiculata* Lundström, 1913**

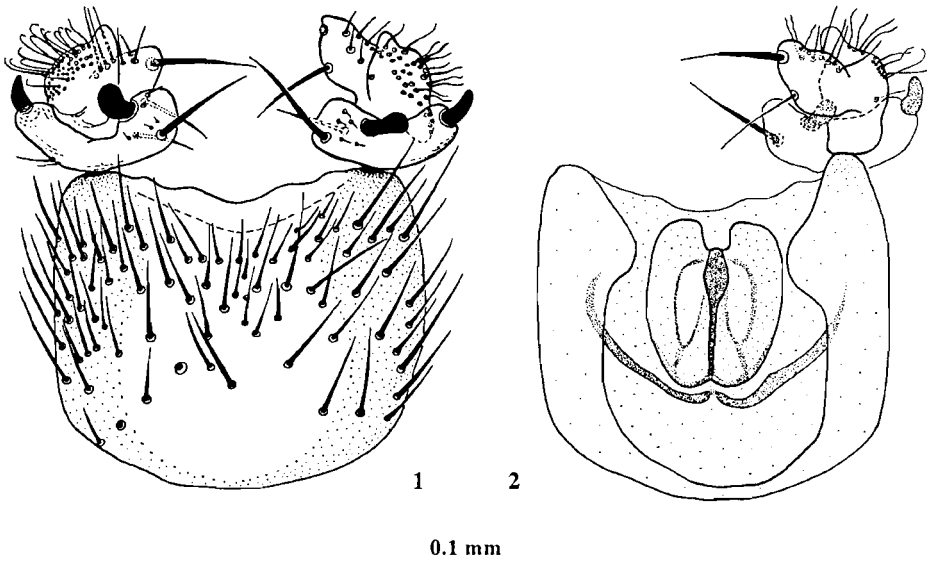
Material examined: **Bohemia**, Šumava Mts., Kyselovský les, peat-bog, 21.8.-27.9.1997, 1/0, M. Barták & J. Roháček leg. (Malaise trap); Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 4/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Moravskoslezské Beskydy Mts., Velká Smradlava valley, along brook, 13.5.2001, 1/0, J. Ševčík leg. (sweeping).

An uncommon species with characteristic terminalia (Fig. 1, 2). New for Bohemia.

***Mycetophila unicolor* Stannius, 1831**

Material examined: **Bohemia**, Nové Hradky, 18.6.1999, 1/0, J. Máca leg.

This species is known from many European countries and within the Czech Republic from Moravia. New for Bohemia.



Figs. 1, 2 - Male terminalia of *Mycetophila unguiculata* Lundström, 1913: 1 - ventral view, 2 - dorsal view.

***Phronia caliginosa* Dziedzicki, 1889**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 11/0, M. Barták & Š. Kubík leg. (Malaise trap); Šumava Mts., Nová Hůrka, peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species was described from the Hrubý Jeseník Mts. and since that time has not been reported from the Czech Republic. The first record for Bohemia.

***Phronia cinerascens* Winnertz, 1863**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 5/0, M. Barták & Š. Kubík leg. (Malaise trap).

Chandler (1995) recorded this species from several localities (spruce forests) in Moravia & Silesia and Slovakia. This is the first record from Bohemia.

***Trichonta fusca* Landrock, 1918**

Czech material examined: **Moravia & Silesia**, Valšovice, Dvorčák Nature Reserve, deciduous forest, 8.5.1998, 1/0, J. Ševčík leg. (sweeping).

Additional material studied: Holotype - **Hungary**, Budapest, 10.4.1914, 1/0, Ujhelyi leg. (Moravian Museum, Brno).

Martinovský & Barták (2000) record this species from Bohemia as new for the Czech Republic. This is the first known Moravian locality.

***Trichonta hungarica* Landrock, 1925**

Czech material examined: **Moravia & Silesia**, Rychlebské hory Mts., Horní Lipová env., Ztracené údolí valley, deciduous (mostly beech) forest, 20.7.1998, 1/0, J. Ševčík leg. (sweeping).

Additional material studied: Holotype - **Rumania**, Borosjen, 24.4.1914, 1/0, Ujhelyi leg. (Moravian Museum, Brno).

The type locality of this species lies outside the modern Hungary, in Rumania. The holotype male has the terminalia broken into several parts (some of them missing), but the caudal margin of gonocoxites, one gonostylus and cerci are saved. Apparently a very rare species, which is new for the Czech fauna.

***Trichonta icenica* Edwards, 1925**

Material examined: **Moravia & Silesia**, Šilheřovice, Černý les Nature Reserve, beech forest, 1.-17.5.1998, 1/0, J. Ševčík leg. (yellow pan traps).

Also this species has already been recorded by Martinovský & Barták (2000) as new for the Czech Republic (Bohemia) and this is the first record from Moravia & Silesia.

***Trichonta pulchra* Gagné, 1981**

Material examined: **Moravia & Silesia**, Střeň, oak forest, 1.-27.6.1997, 1/0, J. Ševčík leg. (yellow pan traps).

This species has so far been known only from Great Britain and the Nearctic region, so this is the first record from central Europe. The identification of this specimen was kindly confirmed by Peter Chandler. New species for the Czech Republic.

***Allodia (Allodia s. str.) anglofennica* Edwards, 1921**

Material examined: **Moravia & Silesia**, Šilheřovice, Černý les Nature Reserve, beech forest, 26.9.1997, 1/0, 16.-29.3.1998, 3/0, 18.-30.5.1998, 2/0, 1.-12.11.1998, 1/0, J. Ševčík leg. (sweeping and yellow pan traps).

A widely distributed species, within the Czech Republic known from Bohemia. New for Moravia & Silesia.

***Allodia (A.) lundstroemi* Edwards, 1921**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Moravskoslezské Beskydy Mts., Velká Smradlava valley, along brook, 13.5.2001, 1/0, J. Ševčík leg. (sweeping); Połanka nad Odrou, Blücherův les, floodplain forest,

27.3.-3.4.1999, 1/0; Šilheřovice, Černý les Nature Reserve, beech forest, 1.-17.5.1998, 6/0, all J. Ševčík leg. (yellow pan traps).

This species was recorded by Chandler (1995) from Bohemia as new for the Czech Republic and here is recorded as new for Moravia & Silesia.

***Allodia (A.) septentrionalis* Hackman, 1971**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species has been recently recorded as new for the Czech Republic and this is the first record from Bohemia.

***Allodia (Brachycampta) czernyi* (Landrock, 1912)**

Material examined: **Bohemia**, Šumava Mts., Jezerní slat, peat-bog, 6.9.-29.9.1996, 2/0, M. Barták & J. Roháček leg. (Malaise and yellow pan traps); Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Hrubý Jeseník Mts., Mt. Praděd, Bílá Opava Valley, 29.7.1996, 1/0; Šilheřovice, Černý les Nature Reserve, beech forest, 1.-17.5.1998, 1/0, 1.-16.6.1998, 3/0, all J. Ševčík leg. (sweeping and yellow pan traps).

An uncommon species, within the Czech Republic recorded from Moravia. The records from Bohemia are new for this region.

***Brevicornu auriculatum* (Edwards, 1925)**

Material examined: **Moravia & Silesia**, Polanka nad Odrou, Blücherův les, floodplain forest, 14.-27.3.1999, 1/0, J. Ševčík leg. (yellow pan traps).

A rare species, recorded from Great Britain, France, Latvia, Germany and Switzerland. The first record from the Czech Republic.

***Brevicornu boreale* (Lundström, 1914)**

Material examined: **Bohemia**, Šumava Mts., Rokytecká slat, peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap); Šumava Mts., Zhůřské slatě, peat-bog, 18.5.-16.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species is known from several European countries. The first record from the Czech Republic.

***Cordyla flaviceps* (Staeger, 1840)**

Material examined: **Bohemia**, Šumava Mts., Kyselovský les, peat-bog, 21.8.-27.9.1997, 1/0, M. Barták & J. Roháček leg. (Malaise trap); Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Moravskoslezské Beskydy Mts., Dolní Lomná, beech forest, 16.8.1998, 1/0; Šilheřovice, Černý les Nature Reserve, beech forest, 3.9.1997, 1/0, all J. Ševčík leg. (sweeping).

This species is for the first time recorded from Bohemia.

***Exechia cincta* Winnertz, 1863**

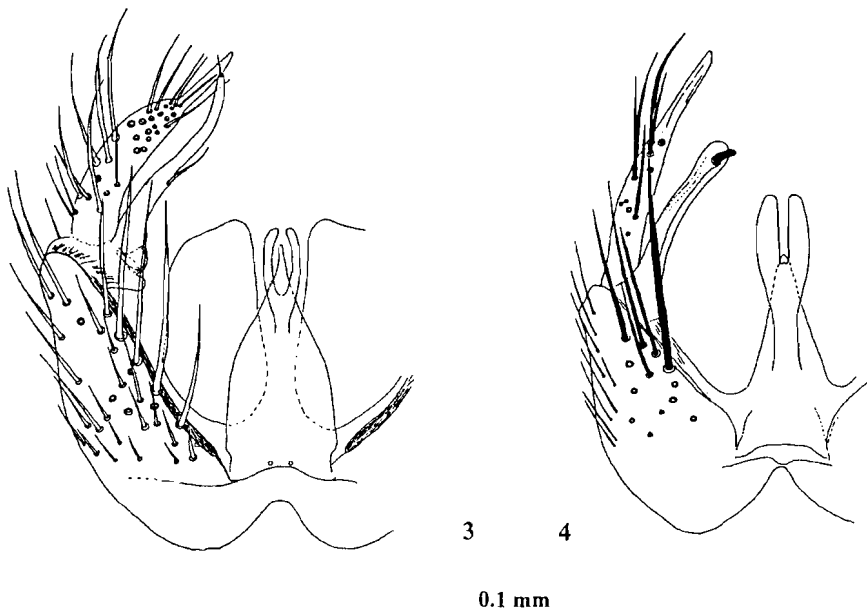
Material examined: **Moravia & Silesia**, Adamstal (= Adamov near Brno), K. Landrock (without other data), 1/0 (Moravian Museum, Brno).

There is a record of this species from Bohemia (Laštovka 1987, Košel et al. 1997), but I have seen only one Czech male, as recorded here. This is the first record from Moravia and occurrence confirmed in the Czech Republic.

***Exechia dentata* Lundström, 1916 sp. restit.**

Material examined: **Moravia & Silesia**, Šilheřovice, Černý les Nature Reserve, beech forest, 28.4.1997, 1/0, 1.-12.11.1998, 1/0; Vrbno pod Pradědem, Bílý potok, mixed forest, 28.7.1996, 1/0, all J. Ševčík leg. (sweeping and yellow pan traps).

This species has been treated as a junior synonym of *Exechia cincta* Winnertz since Landrock



Figs. 3, 4 - Male terminalia of two closely related species of *Exechia* (both ventral view): 3 - *E. cincta* Winternert, 1863, 4 - *E. dentata* Lundström, 1916.

(1927), but the original description and figures given by Lundström (1916) show different species. *Exechia dentata* has the medioventral process of gonocoxites bifid and the median branch of a gonostylus with a conspicuous tooth (see Figs. 3, 4). The type locality of *E. dentata*, the Kováčovske kopce Hills (= Kovácspatak in Hungarian), lies in the territory of Slovakia near the border between Slovakia and Hungary.

***Exechia dizona* Edwards, 1924**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Ostrava - Svinov, Polanský les Nature Reserve, floodplain forest, 14.9.1997, 1/0; Polanka nad Odrou, Blücherův les, floodplain forest, 28.9.1996, 1/0, 5.9.1997, 1/0, 28.9.1997, 1/0, 10.10.1998, 1/0; Šilheřovice, Černý les Nature Reserve, beech forest, 3.9.1997, 2/0, 26.9.1997, 1/0, 14.2.1998, 1/0, 1.-12.11.1998, 2/0, all J. Ševčík leg. (sweeping and yellow pan traps)

A relatively common species reported from many European countries. New records for Moravia & Silesia.

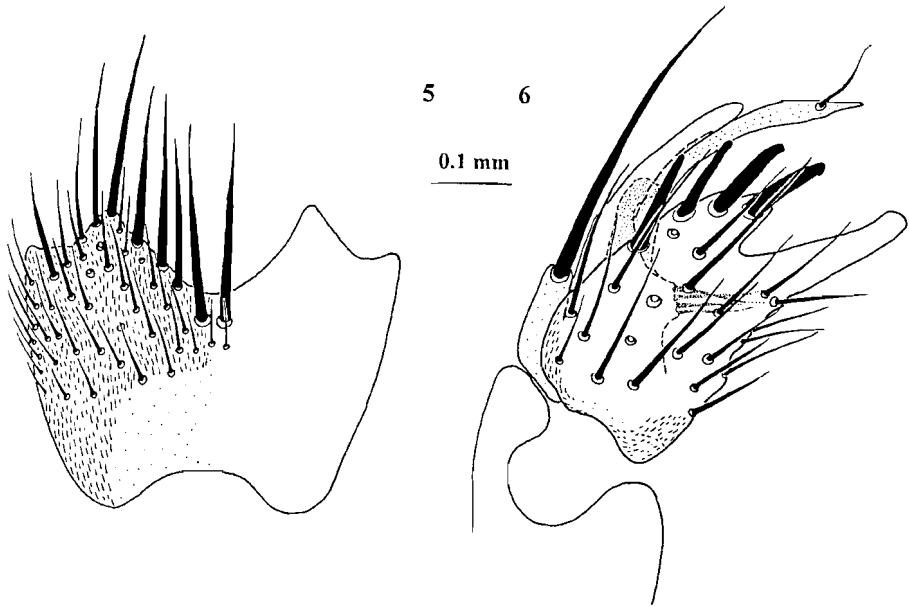
***Exechia exigua* Lundström, 1909**

Material examined: **Bohemia**, Šumava Mts., Jezerní slat, peat-bog, 28.9.-29.9.1996, 1/0, M. Barták & J. Roháček leg. (yellow pan traps); Šumava Mts., Kyselovský les, peat-bog, 22.-23.8.1997, 1/0, M. Barták & J. Roháček leg. (yellow pan traps). **Moravia & Silesia**, Moravskoslezské Beskydy Mts., Ostravice, Mazácký grúník Nature Reserve, 31.10.1999, 1/0; Šilheřovice, Černý les Nature Reserve, beech forest, 28.3.1997, 1/0, 30.10.1998, 1/0, 1.-12.11.1998, 7/0; Vítkov-Podhradí, mixed forest, 12.10.1996, 1/0, all J. Ševčík leg. (sweeping and yellow pan traps).

This species has not yet been recorded from Bohemia.

***Exechia frigida* (Boheman, 1865)**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 18.5.-16.6.1999, 1/0, M. Barták & Š.



Figs. 5, 6 - Male terminalia of *Exechia pectinivalva* Stackelberg, 1948: 5 - ventral view of gonocoxites, 6 - dorsal view of right gonostylus.

Kubík leg. (Malaise trap).

A rare Holarctic species. This is the first record from the Czech Republic.

***Exechia nigra* Edwards, 1925**

Material examined: **Bohemia**, Šumava Mts., Rokytecká slat', peat-bog, 24.9.-26.9.1999, 1/0, M. Barták & Š. Kubík leg. (yellow pan traps).

A rare species with similar male terminalia as in *Exechia parvula* (Zetterstedt, 1852). This is the first record from the Czech Republic.

***Exechia pectinivalva* Stackelberg, 1948**

Material examined: **Bohemia**, Šumava Mts., Rokytecká slat', peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

A rare and little-known species. The male terminalia are figured in Figs 5, 6. The first record from the Czech Republic.

***Exechia separata* Lundström, 1912**

Material examined: **Bohemia**, Šumava Mts., Chalupská slat', peat-bog, 29.9.1996, 1/0, M. Barták & J. Roháček leg. (sweeping vegetation).

An uncommon species recorded from many European localities. This is the first record from Bohemia.

***Exechiopsis (Exechiopsis s. str.) clypeata* (Lundström, 1911)**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species was reported as new for the Czech Republic by Ševčík (1999) from a single loca-

lity in the Hrubý Jeseník Mts. Here is recorded as new for Bohemia.

***Exechiopsis (E.) dryaspagensis* Chandler, 1977**

Material examined: **Moravia & Silesia**, Hrubá Voda near Olomouc, 3.9.1972, 1/0, J. Martinovský leg.

A rare species, hitherto recorded from Great Britain, Germany, Slovakia and Switzerland. The first record from the Czech Republic.

***Exechiopsis (E.) januarii* (Lundström, 1913)**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap); Šumava Mts., Rokytecká slat', peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species was reported as new for the Czech Republic by Ševčík (1999) and in this paper is recorded as new for Bohemia.

***Exechiopsis (E.) oltenica* (Burghelle-Balacresco, 1965)**

Material examined: **Moravia & Silesia**, Hrubý Jeseník Mts., Vrbno pod Pradědem, Jelení bučina Nature Reserve, maple-beech forest, 24.9.1998, 1/0, J. Ševčík leg. (sweeping undergrowth).

A little-known species, hitherto recorded only from caves in Rumania and Slovakia. First record from the Czech Republic.

***Exechiopsis (E.) pulchella* (Winnertz, 1863)**

Material examined: **Bohemia**, Šumava Mts., Jezerní slat', peat-bog, 28.-29.9.1996, 1/0, M. Barták & J. Roháček leg. (yellow pan traps); Šumava Mts., Nová Hůrka, peat-bog, 20.8.-24.9.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

This species is known from many European countries, within the Czech Republic recorded from Moravia and the above-mentioned records are new for Bohemia.

***Exechiopsis (E.) pseudopulchella* (Lundström, 1912)**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.v.-17.vi.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap); Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap).

A rare species, hitherto recorded from Finland, Germany, Switzerland and the Far East. This is the first record from the Czech Republic.

***Exechiopsis (E.) sagittata* Laštovka & Matile, 1974**

Material examined: **Bohemia**, Šumava Mts., Horská Kvilda, spruce forest, 20.5.-17.6.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Hrubý Jeseník Mts., Mt. Praděd, Bílá Opava Valley, 9.10.1972, 1/0, J. Martinovský leg.

A Palaearctic species described from Mongolia and subsequently recorded from several European countries, including Slovakia. This is the first record from the Czech Republic.

***Exechiopsis (E.) unguiculata* (Lundström, 1911)**

Material examined: **Moravia & Silesia**, Josefová near Branná, 30.5.1972, 1/0, J. Martinovský leg.

This species is known from several European countries, including Slovakia. The first record from the Czech Republic.

***Exechiopsis (E.) vizzavonensis* (Edwards, 1928)**

Material examined: **Moravia & Silesia**, Josefová near Branná, 10.5.1972, 1/0, J. Martinovský leg.

This species is also known from several European countries and this is the first record from the Czech Republic.

***Exechiopsis (Xenexechia) davatchii* Matile, 1969**

Material examined: **Moravia & Silesia**, Šilheřovice, Černý les Nature Reserve, beech forest, 1.-16.6.1998,

1/0, J. Ševčík leg. (yellow pan traps).

A rare species, hitherto known from Iran, Germany and Russia. The first record from the Czech Republic.

***Pseudexechia aurivernica* Chandler, 1978**

Material examined: **Moravia & Silesia**, Moravskoslezské Beskydy Mts., Ostravice, Mazácký grúník Nature Reserve, 31.10.1999, 4/0, J. Ševčík leg. (sweeping along brook).

This species has so far been recorded from Great Britain, Central Europe, Estonia and Russia. The first record from the Czech Republic.

***Pseudexechia trivittata* (Staeger, 1840)**

Material examined: **Bohemia**, Šumava Mts., Nová Hůrka, peat-bog, 22.7.-20.8.1999, 1/0, M. Barták & Š. Kubík leg. (Malaise trap). **Moravia & Silesia**, Polanka nad Odrou, Blücherův les, floodplain forest, 7.-8.8.1996, 1/0, J. Ševčík leg. (light trap); Šilheřovice, Černý les Nature Reserve, beech forest, 1.-14.2.1998, 1/0, 16.-29.3.1997, 2/0, J. Ševčík leg. (yellow pan traps).

An uncommon species, within the Czech Republic known from Moravia and herewith for the first time recorded from Bohemia.

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Nové nálezy druhů čeledí *Diadocidiidae*, *Keroplastidae* a *Mycetophilidae* (*Diptera: Sciaroidea*) z České republiky

Padesát druhů bedlobytek (*Diptera: Sciaroidea*) je zaznamenáno z České republiky, z toho 28 druhů je nových pro faunu celé České republiky, 13 druhů je nových pro Čechy a 9 pro Moravu a Slezsko. Druh *Exechia dentata* Lundström, 1916 je znovuustanoven jako platný druh. Následující druhy jsou poprvé zaznamenány ze střední Evropy: *Diadocidia borealis* Coquillet, 1900; *Macrocera zetterstedii* Lundström, 1914; *Acnemia falcata* A. Zaitzev, 1982; *Neuratelia sintenisi* Lackschewitz, 1937; *Drepanocercus spinistylus* Söli, 1993; *Mycetophila attonsa* (Laffoon, 1957) a *Trichonta pulchra* Gagné, 1981. *Fomitopsis pinicola* je zaznamenán jako hostitelská houba pro druh *Mycetophila attonsa* a *Polyporus ciliatus* jako hostitelská houba pro druh *Mycetophila strigatoides*.

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