

Mycetophilidae (Diptera): additions and corrections
to the “Checklist of the Diptera of Hungary”*

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Abstract: One genus (*Pseudorymosia*) and 33 species of Mycetophilidae are recorded as new for the Hungarian fauna. *Epicyptha fumipennis* Bukowski, 1934, syn. nov., is a junior subjective synonym of *Platurocypta testata* (Edwards, 1925). Some corrections to the Checklist are given.

Key words: Mycetophilidae, taxonomy, faunistic survey, new records, Hungary

INTRODUCTION

Last year the book “*Checklist of the Diptera of Hungary*“ was published, which established a new situation in the further faunistic survey of the dipterous fauna of Hungary. That book is serving as a reference for all the former publications; of course the Checklist is with errors and failures, so corrections are to be made, particularly in the next couple of years. The aim of the project “Large blank spots in the Diptera fauna of Hungary” is unaltered (to collect and to publish species representing dipterous families and genera formerly not recorded from Hungary). Representatives of species collected during our collection program and some results from the preparatory period of the project have already been published (see Papp 1999, 2000, Ševčík & Papp 2001): numerous genera and more than 110 species new to the fauna in Mycetophilidae were reported. In 2001 more than 50000 mycetophilid specimens were captured, of which 2513 mycetophilid specimens were selected and pinned.

In the course of our latest venture we found one genus and 33 species of Mycetophilidae new to Hungary, mainly in the newly collected materials, as well as among other unnamed specimens (newly sorted materials). For abbreviations and translation of the Hungarian texts on collection labels see Papp (1999, 2000).

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SCIOPHILINI

Sciophila nonnisilva Hutson, 1979 – 1 male: Bükk NP: Miskolc, Sebes-víz p. fölött és mellett, 2001. 06. 16, leg. Papp L.; 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 27, leg. Papp L. – These are the first records for Hungary.

GNORISTINI

Boletina basalis (Meigen, 1818) – This species was reported as new to Hungary last year (Ševčík & Papp 2001) but other 31 males (and possibly nine females from the same sites) were recently identified in the collection of the HNHM from the Bükk National Park: Miskolc (Garadna-v., Sebes-víz), Szarvaskő, from the Duna-Ípoly NP: Diósjenő (Kemence-p. felső folyása), Szokolya (Szén-p.), Kiskunság NP: Lakitelek (Tőserdő) and the Mátra Mts (Mátraszentimre); from May 10 to June 16. It seems common in Hungary.

Boletina dubia (Meigen, 1804) – 1 male: Mátra-hg., Pizskéstető, 1978. VII. 16, leg. Mihályi. – A species new for the Hungarian fauna.

Boletina moravica Landrock, 1912 – 1 male: Duna-Ípoly NP: Szokolya: Szén-p. fölött és mellett, 2001. május 5, leg. Papp L.; 1 male: Mátraszentimre, 1979. V. 26, leg. Mihályi. – First record for Hungary.

Boletina nigricoxa Staeger, 1840 – 39 males, 1 female: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes/nyárfás, avarról/nedvedző juharfák/juhar nedvéről/üregi nyúlvár szájadékából, 2001. febr. 14, márc. 04, 03. 9–10, 1994. III. 14–15, 1997. III. 14, 1999. III. 9, 15, 28, leg. Papp L.; 1 male: Kiskunsági NP: [Lakitelek] Tőserdő, talajcs.[apda], 1978. III. 16, leg. Hámoriné. – These are the first data on its occurrence in Hungary.

Boletina nitida Grzegorzek, 1885 – 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 27, leg. Papp L.; 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, 2001. 05. 19–20, leg. Papp L. – It was reported from Hungary by Laštovka & Matile (1988) as “H”. We can now corroborate its occurrence in this country.

Boletina pallidula Staeger, 1840 – 5 males, 3 females: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes/tölgyes szélén, virágokról/tölgyes tisztásain virágokról, 2001. 05. 06/13, 08. 04/05, 10. 19–20, leg. Papp L.; 1 male: Zempléni TK: Regéc, Ördög-völgyi patak fölött és mellett, 2000. július 3, leg. Papp L.; 1 male: Kerecsend, védett erdő, 1978. VI. 15, leg. Papp L.; 2 males: Mátra-hg., Mátrafüred/Pizskéstető, 1974. VII. 3., 1978. VII. 16, leg. Mihályi. – First record for Hungary.

Boletina plana (Walker, 1856) – 4 males: Melegmány TT: Pécs: Melegmányi-völgy, 2001. 05. 29, patak fölött és mellett, leg. Papp L.; 1 male, 1 female: Kelet-Mecsek TK: Óbánya, Óbányai-patak fölött, mellett, 2001. 05. 28, leg. Papp L.; 1 male: ibid., 2000. jún. 14; 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 28, leg. Papp L.; 1 male: Bükki NP: Miskolc, Garadna-völgy, 1981. V. 26, leg. Papp L. – This is a widely distributed Palaearctic species, which is now recorded for the first time from Hungary.

Boletina rejecta Edwards, 1941 – 1 male: Kőszegi TK: Kőszeg, Hétforrás, patak fölött, 2001. 06. 29, leg. Papp L. – A species also new for the Hungarian fauna.

Boletina trispinosa Edwards, 1913 – 2 males: Bükki NP: Miskolc, Sebes-víz p. fölött és mellett, 2001. 06. 16, leg. Papp L. – First record for Hungary.

Synapha fasciata (Meigen, 1818) – 1 male: Zempléni TK: Regéc, Ördög-v., patak fölött, mellett, 2001. június 14, leg. Papp L., Szappanos A. – First Hungarian record.

LEIINI

Clastobasis loici Chandler, 2001 – 1 male: Szolnok, Tisza mellett, 1957. VI. 19, leg. Mihályi; 2 females: Mecsek-hg., Magyaregregy, 1959. VII. 4, leg. Endrődy-Y. – It was described most recently; new to Hungary.

Docosia diutina Plassmann, 1996 – 1 male: Kiskunsági NP, Bugac, Alsó-pusztá, Malaise csapda, 1979. IV. 20, leg. Ádám és Hámoriné; 2 males: Bicsérd, ligeterdő, 1979. IV. 20, Bajza and Papp; 1 male: Debrecen, Haláp, 1958. V. 3, Varga Z.; 1 male: Piliscsaba, 1982. V. 17, leg. Vály; 1 male: Pécs, Mecsek, Hidegkútnál, 1956. IV. 27, Z.-Sebess. – This species has recently been described from Austria. Ševčík (2000) studied the holotype to confirm the identity of this species and recorded it from Slovakia. Although P. Laštovka (pers. comm.) had studied some Hungarian material of the same species many years ago, his revision remained unpublished and *D. diutina* is now for the first time published from Hungary.

Docosia lastovkai Chandler, 1994 – 1 male: Zempléni TK: Regéc, Ördög-völgyi patak fölött és mellett, 2000. július 3, leg. Papp L.; 1 male: Zempléni TK: Füzér, László-tanya alatt, égeres lúp és kifolyója, 2001. 07. 11, leg. Papp L.; 1 male: Kőszegi TK: Velem, Hosszú-völgy, Szerdahelyi-p., patak fölött és mellett, 2001. 06. 28, leg. Papp L.; 1 male: Börzsöny-hg., Szokolya 1992. IV. 19, leg. Papp L. – This species was reported as new to Hungary last year (Ševčík & Papp 2001) based on a single male. Now we found additional specimens in the HNHM.

Docosia pallipes Edwards, 1941 – 1 male: Aggteleki NP: Aggtelek, Lófej-forrás, 450 m, 1987. IX. 15, leg. Papp L.; 1 male: ibid., Ménes-p. völgye, cefréről, 1988. VI. 19; 1 male: Szár, Fáni-völgy, erdei aljnövényzet, 1996. IX. 11, leg. Papp L. – This is also a species new for the Hungarian fauna.

Leia fascipennis Meigen, 1818 – 9 males, 4 females: Zempléni-hg., N. Péterménkö, erdő, 1960. VI. 24, leg. Mihályi; 1 male: Hejőbába, 1964. VI. 11, leg. Tóth S. – A species new for the Hungarian fauna.

Leia piffardi Edwards, 1925 – 1 male: Tard, 1958. V. 29, gyümölcsös, leg. Tóth S. – This is a widespread but rare species new for the Hungarian fauna.

Leia sp. – 1 male: Aggteleki NP, Aggtelek, Ménes-p. völgye, Medvéskert, 1988. VII. 20, leg. Papp L. – Mesonotum with 3 sharply demarcated dark stripes, pleura and metanotum dark, thoracic setae light. Wing with a subapical dark stripe over the whole breadth of wing, base of R_5 without a spot. Veins M_{3+4} and Cu_1 join completely. First abdominal tergite completely dark, tergites 2–4 dark laterally and in the sagittal line but mostly yellow dorsally. Gonostylus simple, slightly curved, digitiform, set rather high on gonocoxite, genital complex comparatively large. This specimen is probably belonging to an undescribed new species with Mediterranean connections.

MYCETOPHILINI

Dynatosoma sp. aff. *rufescens* (Zetterstedt, 1838) – 1 female: Pécs, Égervölgy, 1979. IV. 14, leg. Majer. – First record of this species group for Hungary. A more intensive collecting work is needed to capture males of this species group, i.e. an opportunity to make true specific identifications.

Dynatosoma nigripes Ševčík et Papp, 2001 – 2 males (1 male in coll. Ševčík), 1 female: Zempléni TK: Regéc, Ördög-v., patak fölött és mellett, 1999. június 28, leg. Papp L., Bajza Zs.; 1 female: ibid., 2000. július 5, leg. Papp L. – Described last year from Hungary, but found also in the materials sorted in 2001. Those additional specimens are recorded here.

Epicyptha scatophora (Perris, 1849) – 1 male: Dunafalva, erdő, ártér, 1978. VII. 24, leg. Draskovits. – This species was published by Papp (2000) as new to Hungary, but that turned out to be a misidentification (see Ševčík & Papp 2001). This time its identity was determined by preparation of the genitalia. This is the second known male of this species and the first reliable record for Hungary.

Mycetophila edwardsi Lundström, 1913 – 1 male: Bükki NP: Miskolc, Sebes-víz p. fölött és mellett, 2001. 06.16, leg. Papp L. – Laštovka (1988) reported it in the Palaearctic catalogue as “H”, but we cannot find the factual basis for that record (cf. Papp & Ševčík 2001). So we regard the present one as the first reliable record from Hungary.

Platurocypta testata (Edwards, 1925) = *Epicyptha fumipennis* Bukowski, 1934, **syn. nov.** – 1 male: Hungary, Bükki NP, Nagyvisnyó, Taró-völgy, 1982.IX.8, leg. Bessenyi. Additional material examined: Czech Republic: Bohemia, Šumava Mts., Nová Hůrka, peat-bog, 22.7. – 20.8.1999, 1 male, M. Barták and Š. Kubík leg; Vysoké Chvojno, 2–10.9.1998, 1 male, B. Mocek leg; Moravia and Silesia, Kunčice pod Ondřejníkem, 15.8.1997, 1 male, Mořkov, Trojačka Nature Reserve, 3.8.1999, 1 male, Polanka nad Odrou, Blücherův les forest, 12.9.1997, 1 male, 10.9.1998, 1 male, Šilheřovice, Černý les Nature Reserve, 1–12.11.1998, 1 male, Vrbno pod Pradědem env., Jelení bučina Nature Reserve, 4.9. – 9.10.1999, 1 male, all J. Ševčík leg. Slovakia: Malá Fatra Mts, Podhate, Dolné Diery, 26.5.2000, 1 male, J. Roháček leg., Považský Inovec Mts, Lúka env., 2–9.8.1999, 1 male, Veporské vrchy Mts, Hriňová env., 20.9.1995, 1 male, both M. Kozánek leg. – The Hungarian specimen was tentatively identified as *P. fumipennis* (see Ševčík & Papp 2001), but we are now convinced that it is a junior synonym of *P. testata*. We have not seen the type material, but the original figures by Bukowski (1934) are diagnostic enough to establish this synonymy.

Trichonta apicalis Strobl, 1898 – 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 27, leg. Papp L. – Gagné (1981) published it as from “Hungary”; there are five males from the Bükk Mts (Lusta-v.), Csákvár, Kőszegi-hg. and Budapest in the HNHM, identified by him. This is a corroboration of its occurrence in Hungary.

Trichonta beata Gagné, 1981 – 1 male: Zempléni TK, Regéc: Ördög-v., patak fölött mellett, 2001. június 13, leg. Papp L., Szappanos A. Additional material examined: Czech Republic, Moravia and Silesia, Jelenice near Vítkov, Valach Nature Reserve, 20.9.1997, 1 male, J. Ševčík leg. – A rare Holarctic species, which is here recorded as new for both Hungary and the Czech Republic.

Trichonta fusca Landrock, 1918 – 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 27, leg. Papp L. Ševčík (2001) studied the holotype of this species collected at Budapest, 10.4.1914 by Ujhelyi (cf. Papp & Ševčík 2001: 137). – It is deposited in the Moravian Museum, Brno, Czech Republic. This is a confirmation of recent occurrence of this species in Hungary.

Trichonta hungarica Landrock, 1925 – 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 2001. 06. 27, leg. Papp L. – Although the specific epithet of this species is *hungarica*, the type locality lies in the present Romania. The holotype is deposited in the Moravian Museum, Brno (cf. Ševčík 2001). This is the first record from Hungary today.

Trichonta pulchra Gagné, 1981 – 1 male: Zempléni TK: Regéc: Ördög-v. patak fölött, mellett, 2001. június 13, leg. Papp L., Szappanos A. – This Holarctic species is known in Europe from Great Britain and the Czech Republic (cf. Ševčík 2001). This is the first record from Hungary.

Zygomia pictipennis (Staeger, 1840) – 1 male: Zempléni TK: Regéc: Ördög-v., patak fölött és mellett, 2001. 07. 10–11, leg. Papp L.; 1 male: *ibid.*, Füzér, László-tanya alatt, égeres láp és kifolyója, 2001. 07. 11. – Laštovka (1988) reported it in the Palaearctic catalogue as “H”, and although we did not find the voucher specimen(s) for that record, we included this widespread species in the Checklist (see Papp & Ševčík 2001). However, the above is the first well-based record for Hungary.

Zygomia valida Winnertz, 1863 – 2 males: Budapest, Pestszentlőrinc, Halmi-erdő, tölgyes, 2001.10.9–10, leg. Papp L. – This is the first record for Hungary.

EXECHIINI

Cordyla Meigen, 1803 – This is a species rich and not easily attainable genus, since the reliable characteristics to separate species are in the male genitalia (all the Palaearctic species are now under revision by Dr Olavi Kurina). Dely-Draskovits (1974) published six species (and additional four unnamed ones, as *Polyxena*) from Hungary from her material reared from mushrooms. Unfortunately, no voucher specimens are in the HNHM (see also Papp 2000: 223). Hackman (1988) added a seventh first record of the Hungarian *Cordyla* (*C. vitiosa* Winnertz, 1863) but we cannot find the factual basis either for that. After all there were no named specimens of *Cordyla* from Hungary in the collection of the HNHM prior to this study. Below we publish records of six species: we regard three of them as new for the Hungarian fauna and the other three as corroboration of the former records.

Cordyla brevicornis (Staeger, 1840) – 1 male: Bükk NP: Nagyvisnyó, Taró-völgy, 1982. IX. 8, leg. Bessenyi. – First recorded by Dely-Draskovits (1974), but this is the first voucher specimen from Hungary.

Cordyla crassicornis Meigen, 1818 – 1 male: Duna-Ipoly NP: Szokolya: Szén-p. fölött és mellett, 2000. május 13., leg. Papp L.; 1 male: Aggteleki NP: Aggtelek, Patkós-völgy, 1988. VII. 18, leg. Papp L. – It is a widespread species but this is the first record from Hungary.

Cordyla fissa Edwards, 1818) – 1 male: Gagyvendégi, akácós széle, 2000. 05. 16, Papp; 1 male: Bükk-hegys., Tard, Tardi-patak v. [actually Cserépváralja], 1958. XII. 24, leg. Tóth S. – Hackman (1988) recorded it as “H”, but since we regarded that datum as unreliable, we did not include this species in the Checklist. This is the first reliable record from Hungary.

Cordyla murina Winnertz, 1863 – 1 male: Kőszegi TK: Velem, Hosszú-völgy, Szerdahelyi-p., patak fölött és mellett, 2001. 06. 28, leg. Papp L. – First record by Dely-Draskovits (1974) but no voucher specimens was preserved (see above). Ours is the first voucher specimen for the occurrence of *C. murina* in Hungary.

Cordyla nitidula Edwards, 1925 – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 2001. 10. 9–10, leg. Papp L. – This is the first voucher specimen of this species from Hungary (see above).

Cordyla semiflava (Staeger, 1840) – 1 male: Melegmányi TT: Pécs: Nagymély-v., Melegmányi-patak, patak fölött és mellett, 2000. június 15, leg. Papp L. – A species new to the Hungarian fauna.

Exechia bicincta (Staeger, 1840) – 7 males: leg. Papp L., 2001: 3 males: Duna-Ipoly NP: Szokolya: Les-v., patak mellett, ápr. 16; 1 male: ibid., patak fölött és mellett, okt. 22; 1 male: Kőszegi TK: Kőszeg, Hármás-p. fölött és mellett, 06. 27; 1 male: Pécs: Éger-völgy, patak fölött és mellett, jún. 1; 1 male: Bükk NP: Miskolc: Sebes-víz p. fölött és mellett, 2001. 06. 16, leg. Papp L.; 1 male: Bakonybél, Gerence-patak fölött és mellett, 2000. 06. 29, leg. Papp L. – Dely-Draskovits (1974) reported it from Hungary but these are the first voucher specimens in the collection of the HNHM.

Exechia dentata Lundström, 1916 – 3 males: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 2001. 10. 07./9–10./13–14, leg. Papp L. – This is also a species new for the Hungarian fauna.

Exechia dizona Edwards, 1924 – 2 males: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 2001. 10. 07./9–10, leg. Papp L. – Zilahi-Sebess (1950) recorded it from the Kecse cave (Bükk Mts) but since his expertise in mycetophiloids was more than questionable, we listed this species in square brackets in the Checklist (Papp & Ševčík 2001). No voucher specimen was preserved by Zilahi-Sebess, thus we think this as the first true record for Hungary.

Exechia dorsalis (Staeger, 1840) – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, homoki tölgyes, 2001. 10. 31, leg. Papp L. – Dely-Draskovits (1974, 1996) reported it twice from Hungary but this is the first voucher specimen in the collection of the HNHM.

Exechia fusca (Meigen, 1804) – 1 male: Duna–Ipoly NP: Diósjenő, Kemence-p. felső folyása fölött és mellett, 2001. június 9, leg. Papp L. – There are other 40 males in the HNHM (Szokolya: Szén-p., Les-v., Budapest: Péterhalmi-erdő, ápr. 16./május 13, 10. 07./9–10./22.) but genitalia preparations would be needed for a safe identification.

Exechia repandoides Caspers, 1984 – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 2001. 10. 07, leg. Papp L. – This is also a species new for the Hungarian fauna.

Exechia seriata (Meigen, 1830) – 1 male: Kőszegi TK: Velem, Hosszú-völgy, Szerdahelyi-p., patak fölött és mellett, 2001. 06. 28, leg. Papp L.; 1 male: *ibid.*, Kőszeg, Hármás-p. fölött és mellett, 06. 27; 5 males: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes/tölgyes szélén, virágokról/tölgyes tisztásain virágokról, 2001. 08. 04/05., 10. 13–14, leg. Papp L. – All the former records from Hungary (Thalhammer 1900, Dely-Draskovits 1974) were recorded and *E. pallida* (see Papp & Ševčík 2001). These are the first voucher specimens in the collection of the HNHM.

Exechia spinuligera Lundström, 1912 – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 2001. 10. 07, leg. Papp L. – This is also a species new for the Hungarian fauna.

Exechiopsis (Exechiopsis) hammi (Edwards, 1925) – 2 males (1 male in coll. Ševčík): Kiskunság NP: Fülöpháza, homokbuckás, 1978. X. 25, Papp L. – First record for Hungary.

Pseudexechia tristriata (Stackelberg in Ostroverkhova et Stackelberg, 1969) – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, üregi nyúlvár szájadékából, 99. 03. 28, leg. Papp L. – Also this species is new for the Hungarian fauna.

Pseudexechia trivittata (Staeger, 1840) – 1 male: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 1999. január 13, leg. Papp L. – New to Hungary.

Pseudorymosia fovea (Dziedzicki, 1910) – 1 male: Zempléni TK, Regéc: Ördög-v., patak fölött és mellett, 2001. június 13, leg. Papp L., Szappanos A. – A genus and species new for the Hungarian fauna.

Rymosia batava (Barendrecht, 1938) – 1 male: Kiskunsági NP, Bugac, Bugaci nagyerdő, tisztás, 1979. IV. 26, leg. Papp L. – Dely-Draskovits (1974) reported it from Hungary but this is the first voucher specimen in the collection of the HNHM.

Rymosia fasciata (Meigen, 1804) – 1 male: Bakonybél, pincéből, 1973. XI. 14, leg. Tóth S. – A species new for the Hungarian fauna.

Synplasta sintenisi (Lackschewitz, 1937) – 1 male: Bakonybél, Gerence-patak fölött és mellett, 2000. 06. 29, Papp L. – A species new for the Hungarian fauna.

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