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## Pediciidae, Bolitophilidae, Keroplatidae, Mycetophilidae and Dixidae: genera and species new to Hungary (Diptera)\*

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**Pediciidae, Bolitophilidae, Keroplatidae, Mycetophilidae and Dixidae: genera and species new to Hungary (Diptera)** — One species each of Pediciidae and Bolitophilidae, two *Dixella* spp., four genera and 13 species of Keroplatidae and 19 genera and 33 species of Mycetophilidae are recorded as new for the Hungarian fauna.

**Key words:** Pediciidae, Bolitophilidae, Keroplatidae, Mycetophilidae, Dixidae, faunistic survey, new records, Hungary.

### INTRODUCTION

In the frame of the project “Large blank spots in the Diptera fauna of Hungary” we would like to collect and to publish species representing dipterous families formerly not recorded from Hungary. Furthermore, species representing not recorded genera are also targets of our activity. Four years of the project (OTKA T30242, 1999–2002) comprise a reasonable period of time, for which a fair support is provided for true faunistical studies. The results will hopefully be included also in the “*Checklist of the Diptera of Hungary*”. New findings from the preparatory period have already been published (see Papp 1998, 1999). In 1999, the first year of the project, these collectings resulted in capturing specimens of numerous genera and species new for the fauna of Hungary; a part of them is reported in this paper.

All the specimens below are preserved in the Diptera collection of the Department of Zoology, Hungarian Natural History Museum, Budapest (below: HNHM). The specimens were mostly collected by László Papp, so this name is not given below, only if I collected them together with Zsuzsanna Bajza, Albert Szappanos or somebody else. The year 1999 is also mostly omitted. The months are given as on the collection labels, i.e., May: május, 05., June: június, 06., July: július, 07., October: okt., 10., etc.; since labels are written in Hungarian, months come first. The following Hungarian words are on numerous labels: “patak fölött”: over the brook, “patak fölött és mellett”: over and along/beside the brook.

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Some abbreviations used also on collection labels: NP: Nemzeti Park [National Park], TK: Tájvédelmi Körzet [Landscape Protected Area], TT: Természetvédelmi Terület [Nature Reserve], hg., hegys.: hegység [mountains]; p.: patak [brook]; v.: völgy [valley].

#### PEDICIIDAE

A small family of tipuloid flies, distinct enough to be separated as a family. Based on the known occurrences of its species in the western Palaearctic (Savchenko *et al.* 1992), we may expect 39–40 species to occur in Hungary. Contrarily, together with the newly recorded one, specimens of only nine species are preserved in the collection of the HNHM.

**Ula bolitophila** Loew, 1869. — 1 male: K-Mecsek TK: Komló, Zobápuszta, Hidasi-völgy, patak fölött és mellett, július 21. A widespread Palaearctic species (Savchenko *et al.* 1992), new to Hungary.

#### BOLITOPHILIDAE

This is one of the smaller families of the sciaroid flies; the Hungarian fauna is particularly poorly known. Thalhammer (1900) listed two species, none of them from Hungary of today. The material collected from 1957 to the end of the 70s was loaned but I could not find particulars in the files of the late Dr Ferenc Mihályi. Dely-Draskovits (1974) reared five species (four of them are named, *B. cinerea* Meigen, 1818, *B. pseudo-hybrida* Landrock, 1912, *B. rossica* Landrock, 1912, *B. tenella* Winnertz, 1863) from sporophores of macrofungi in Hungary and she published (Dely-Draskovits 1996) one of them (*B. pseudo-hybrida* Landrock, 1912) from the Bükk National Park. However, all those specimens were not pinned and labelled at that time and some of them hide now among the unnamed and unsorted materials in the HNHM. More than 25 species are expected to occur in Hungary (cf. Plassmann 1988).

During our collectings also numerous bolitophilids (both *Bolitophila* and *Cliopisa* spp.) were captured. Only one easily identifiable species, new to our fauna, is reported here.

**Bolitophila (Cliopisa) oclusa** Edwards, 1913 — Zempléni TK: 1 male, 1 female: Regéc, Ördög-völgy, patak fölött, június 8., Papp L., Szappanos A.; 1 male, 3 females: Füzér, Alsó-patak fölött és mellett, június 29., Papp L., Bajza Zs.; 2 females: Nagyhuta, Vajda-v., Kemence-patak fölött és mellett, június 8., Papp L., Szappanos A. ANP: 1 female: Aggtelek, Patkós-völgy, 1988. VII. 18. 1 female: Mátraháza, 1978. VIII. 19., leg. Mihályi.

#### KEROPLATIDAE

This is probably a family of better known species, as a consequence of Prof. Dr. Loic Matile's works (e.g. Matile 1990). In the collection of the HNHM there are 312 specimens of Keroplatidae species, all but a few specimens were collected within the borders of the present Hungary. Most of the specimens collected before 1956, were annihilated in the big fire here in November 1956. The present material was identified in 1999 (some 50 *Orfelia* specimens are left unnamed though). Four genera and 13 species are reported here as new to Hungary. The species not listed below, but there are represented by

voucher specimens in the HNHM, are as follow: *Asindulum nigrum* Latreille, 1805, *Orfelia bicolor* (Macquart, 1826), *Orfelia discoloria* (Meigen, 1818), *Orfelia fasciata* (Meigen, 1804), *Orfelia nemoralis* (Meigen, 1818), *Orfelia tristis* (Lundström, 1911), *Platyura marginata* Meigen, 1804, *Pyratula perpusilla* (Edwards, 1913), *Pyratula zonata* (Zetterstedt, 1855), *Urytalpa ochracea* (Meigen, 1818). In addition, Matile (1975) recorded *Macrorrhyncha rostrata* (Zetterstedt, 1851) and *M. brevirostre* (Lundström, 1911) from Hungary but those specimens are not in the HNHM (I regard the record on the latter species as doubtful). These 25 species that are known from Hungary is a comparatively high number (cf. Bechev (1997) for the species of the Balkan Peninsula).

*Orfelia tristis* (Lundström, 1911) was described from Hungary (Budapest, Ugod, Szár, and Börza [Borza, Roumania]), but the type series was annihilated in 1956. However, Dr. L. Matile identified a male (Mecsek-hg., [Pécs], Tubes, 1960. VI. 15., leg. Soós Á.), which is preserved in the HNHM. *Orfelia bicolor* (Macquart, 1826) is listed as one of the "Doubtful species" by Krivosheina and Mamaev (1988); in the HNHM there is a male (Szolnok, Tisza mellett, 1957.VI. 19., leg. Mihályi), identified by Dr. L. Matile as "*Orfelia* (O.) *bicolor* (Macq.) sensu Dziedzicki".

**Antlemon (Antlemonopsis) servulum** (Walker, 1836) — 1 male: ANP: Szin, Patkós-völgy, 400 m, patakpart, 1988. IX. 12–13.; this is a species new to Hungary. Otherwise this is the only voucher specimen to prove the occurrence of this genus in our country.

**Cerotelion racovitzai** Matile et Burghel-Balacesco, 1969 — There is a female in the HNHM identified by L. Matile (Vérteskozma, Fánien-v. 1961. VI. 20., leg. Zsirkó), but not published. 14 males and 1 female (HNHM): Börzsöny TK: 4 males: Diósjenő, Király-kút környéke, *Petasites*, 1997. VI. 10. 1 male: A[ggteleki] NP: 1 male: Szögliget, Ménes-völgy, 1989. V. 18.; 2 males: Aggtelek, Almáskerti-völgy, 1989. V. 19.. 1 male: Mátraszentimre, 1980. VII. 20., leg. Mihályi F. Zempléni TK, 1999: 1 male: Regéc, Ördög-völgy, patak fölött, június 8., Papp L., Szappanos A.; 1 male: Füzér, Alsó-patak fölött és mellett, június 29., Papp L., Bajza Zs.; 1 male: Nagyhuta, Senyő-völgy, patak fölött és mellett, június 9., Papp L., Szappanos A. K-Mecsek TK, 1999: 1 male: Óbánya, Óbányai-völgy, patak fölött és mellett, május 28.; 1 male, 1 female: ibid., patak fölött, május 26. Melegmányi TT: Pécs, Nagy-mély-völgy, patak fölött, május 27. New to Hungary.

**Cerotelion striatum** (Gmelin, 1792) — Zempléni TK: 1 male: Regéc, Ördög-v., patakpart, 1997. VI. 5.; 2 males: ibid., patak fölött, 1999. június 8., Papp L., Szappanos A.; 1 male: Nagyhuta, Kemence-p. fölött és mellett, 1999. június 8., Papp L., Szappanos A. Melegmányi TT: 1 male: Pécs, Nagy-mély-völgy, patak fölött, 1999. május 27. 1 male: Visegrád, Apát-kúti-völgy, patakpart, 1995. IX. 12. 1 male: Csomád, erdő, 1992. IX. 6. There is a specimen without abdomen in the HNHM identified by L. Matile in 1971 as "*Cerotelion lineatus* (F.)" (Zalaszántó, Tátika, 1957. VII. 15–18., leg. Zsirkó), but not published, i.e. we can regard it as a species new for the Hungarian fauna.

**Keroplatus reamurii** (Dufour, 1839) — 1 male: K-Mecsek TK: Óbánya, Óbányai-völgy, patak fölött és mellett, 1999. május 28. Börzsönyi TK: 1 male: Szokolya, Nagy-Vasfázék-p., 1998. VI. 21.; 1 male: Verőce, Magyarkút, Keskenybükki-p. v., komposzt, 1999. aug. 21.; 1 male: ibid., erdei út mellett, 1999. 09. 18.; 1 male: ibid., tölgyes, 1978. VIII. 3. 1 male: Visegrád, Apát-kúti-völgy, patakpart, 1995. IX. 12. A[ggteleki] NP: 1 male: Szögliget, Patkós-völgy, 1990. VIII. 15. 2 males: Pécs, Éger-völgy, 1979. VIII. 2., 16., leg. Majer J.; new to Hungary. An additional male in the HNHM: Nagy-Enyed [Aliud, Roumania], "917. VI. 10.", Dr. Szilády, "tipuloides Bosc" det. Z.-Sebess.

**Keroplatus testaceus** (Dalman, 1818) — 6 males, 5 females (HNHM): 2 males: K-Mecsek TK: Óbánya, Óbányai-völgy, patak fölött, 1999. május 29. 1 male: Mecsek, Büdöskút, erdő, 1954. IX. 15., leg. Mihályi. Börzsönyi TK: 1 male: Verőce, Magyarkút, Keskenybükki-p. v., komposzt, 1999. aug. 21.; 1 female: ibid., rothadó világító tölcsergombáról, 1995. X. 15.; 1 male: ibid., ablak [on window], 1978. VIII. 5., leg. Bajza; 1 female: Szokolya, Szén-patak fölött, 1999. júl. 4. B[ükki] NP: 1 male: Nagyvisnyó, Taró-völgy, 1982. IX. 8., leg. Bessenyi. 1 female: Debrecen, épületben [in a house], 1963. X. 24., leg. Varga Z. 1 female: Zirc, lakás, 1975. IX. 29., leg. Tóth S. 1 female: Nagy-Enyed [Aliud, Roumania], Nagy Ignác, 1911. X., "Ceroplatus sesioides Wahlb.", "Winnertzi Landr." det. Z.-Sebess. New to Hungary.

**Keroplatus tipuloides** Bosc, 1792 — 2 females: K[iskunsági] NP, Táborfalva, 1980. IX. 14., leg. Bessenyi. Thalhammer's (1900) record is outside the present Hungary, so also this species is new for the Hungarian fauna.

**Macrorrhyncha collarti** (Tollet, 1955) — Zempléni TK: 1 male, 1 female: Regéc, Ördög-völgy, patakpart/patak fölött, 1997. VI. 5., 1999. június 8., Papp L., Szappanos A.; other five males and nine females from other parts of Hungary in the HNHM. A species new to Hungary.

**Macrorrhyncha flava** Winnertz, 1863 — Zempléni TK: 1 male: Regéc, Ördög-v., Malaise [trap] patak fölött, 1999. június 28-29., Papp L., Bajza Zs. 1 male: Barcs TK, Darány, vasúti töltés árka, 1978. VII. 4. Matile (1975) recorded it from Hungary but that specimen is not in the HNHM.

**Isonuromyia semirufa** (Meigen, 1818) — [Börzsönyi TK, Verőce]: 1 male, 1 female: Magyarkút, erdő/tölgyes, patak völgy, 1972. VIII. 20., 1986. IX. 28., Bajza – Papp. 1 male: Pilis hg., Hamvaskő, Malaise, 1984. VIII. 26–28. Bakony-hg., 1974, leg. Tóth S.: 1 male: Eplény, Malomréti-völgy, IX. 14.; 1 female: Bakonyhána, Gaja-völgy, VIII. 29. This species and also the genus are new to Hungary. Atypical specimens (mesonotum or even abdomen yellow): Börzsönyi TK: 1 male: Diósjenő, Királykút, patakpart, 1995. VIII. 10. 1 male: Hárskút, Esztergáli-v., 1977. VII. 28., leg. Tóth S. An additional damaged female in the HNHM: Igenpataka [Roumania], Dr. Szilády, "907. VIII. 16." "Monocentrotia n. sp." [Szilády's handwriting].

**Neoplatyura modesta** (Winnertz, 1863) — 2 males, 1 female: Bükk hg. Síkfőkút [Eger: Szőlőcskepuszta], Malaise csapda, 1973. VIII. 8./1975. VII. 5., Bajza – Papp L./Papp J. A[ggteleki] NP: 1 male: Hidvégardó, égerláp szélén, 1990. IX. 11.; 1 male: Aggtelek, Almáskert, erdő, 1990. VIII. 14.; 1 female: ibid., Lófej-forrás, 450 m, 1987. IX. 15. 1 male: Barcs tájv. körzet, Darány, erdő, 1978. VII. 4. 1 female: Tihany, Külsőtó, 1989. VI. 21.; a species new to Hungary (cf. Krivosheina and Mamaev 1988)

**Neoplatyura nigricauda** (Strobl, 1893) — There are two males in the HNHM identified as such by Dr. L. Matile (Vérteskozma, Fánien-v., 1961. IX. 15., Vértes-hg., Csákvár, Hosszúhegy, 1957. VI. 28., leg. Mihályi), but not published or recorded by Krivosheina and Mamaev (1988). A[ggteleki] NP: 1 male: Szin: Patkós-völgy, 1987. IX. 17.; 1 male: Aggtelek, Lófej-forrás, 450 m, 1987. IX. 15.; 1 male: Szögliget, Derenk, 400 m, almacsalétekre [on apple bait], 1987. IX. 16.; 1 male, 2 females: ibid., Patkós-völgy, 300 m, patakpart, 1987. IX. 14.; 1 male: Perkupa, Telekes-völgy, erdőszél, 1990. IX. 11. 1 male, 1 female: Budakeszi, Makkosmária, almacsalétek, 400 m, 1986. IX. 26., Ádám L., Papp L. I have to note, that not even this genus has hitherto formally been reported from Hungary.

**Orfelia nigricornis** (Meigen, 1830) — K-Mecsek TK, 1999: 2 males: Óbánya, Óbányai-völgy, patak fölött/Malaise csapda, május 25., 30.; 1 male: Komló: Zobákpusztá, Hidasi-völgy, május 26. A species new to Hungary.

**Orfelia unicolor** (Staeger, 1840) — Zempléni TK: 1 male: Nagyhuta, Vajda-völgy, patak fölött, 1999. június 8., Papp L., Szappanos A. A rare species new to Hungary.

**Rocetelion humerale** (Zetterstedt, 1850) — 1 male: Bükk hegys., 1955. VII. 11–17., leg. Mihályi – Ablakoskő-völgy (without any more label). It is mysterious how this specimen survived the 1956 fire. A genus and species new to Hungary.

## MYCETOPHILIDAE

A huge family, even in its *sensu stricto* form. Thalhhammer (1900) listed only 10 species from localities within the present borders of Hungary, but even those specimens were lost (see above at Keroplatidae). After the 1956 fire, all the extensive collectings made mainly by Ferenc Mihályi, resulted also in numerous sciaroid specimens. In the seventies Drs L. Matile (Mycetophilidae and also the smaller sciaroid families), R. J. Gagné (*Trichonta*), W. Hackman (*Phronia*), P. Laštovka (*Mycetophila*) and R. Väisänen (*Mycomya*) identified materials from the HNHM. Altogether ca. 2400 specimens were so identified. Dely-Draskovits (1974) made extensive rearings of flies from sporophores of macrofungi in Hungary, including ca. 17,000 specimens of Mycetophilidae s.str. (of nearly 60 species, some identified as "sp." in named genera only). Unfortunately, only a minor part of the would-be voucher specimens were pinned and labelled at that time; specimens pinned later were added to the unnamed specimens in the HNHM. Also she published (Dely-Draskovits 1983, 1987, 1996) faunistical lists of the Hortobágy, Kiskunság and Bükk National Parks, including Mycetophilidae and the related small families; regretfully, it was seldom that she published any more than specimens identified by the above-mentioned workers.

A surprisingly high number of genera and species new to our fauna was collected in 1999. In order to know the true value of these latest collectings (compared to those made before), about half of the unnamed material preserved in the HNHM from Hungary was also at least selected into genera or identified to species (altogether ca. 7000 specimens). At the beginning of the year 2000 there were ca. 10,000 specimens of Mycetophilidae in the HNHM from Hungary selected at least to genera but other 7000 are still unsorted. Voucher specimens of about 170 mycetophilid species are now preserved in the HNHM; probably as many as that are to be identified from the unnamed material here and many more have not been collected yet.

Below 19 genera and 33 species are listed as new to the fauna of Hungary (some other interesting species are also mentioned). I must note also here that I am not a specialist for the group so only the first representatives of genera, etc. are mainly identified and listed, i.e. also this paper is prepared to serve the Checklist only. For comparison, I may note that 16 species new for our fauna (mostly acalyprates) were published in two parts from the Bükk National Park by the present author after five years of collecting activity and seven dipterous species (of the families studied by me) new to Hungary were reported from the Aggtelek National Park as a result of collecting for an even longer period of time.

Although a good number of modern works treat tribes in the Catalogue of Palaearctic Diptera as subfamilies, the taxonomy used in my former paper (Papp 1999) kept also here (i.e., five tribes in two subfamilies). However, *Manota* Williston is separated to at least in a third subfamily (Søli *et al.* (2000) treated it as a genus in Mycetophilidae).

## MANOTINAE

**Manota unifurcata** Lundström, 1913 — 1 male: Szendehely, Aranyos-kút, 1995. 07.29.; 1 female: Bükk hg., Síkfőkút [Eger: Szőlőcskepuszta], 1978. 06. 15. This latter female of this peculiar species was published by Dely-Draskovits (1996).

## SCIOPHILINAE

## Sciophilini

**Acnemia longipes** Winnertz, 1863 — 2 males: K-Mecsek TK: Óbánya, Óbányai-völgy, patak fölött és mellett, július 20., Papp L., Bajza Zs. New to Hungary.

**Acnemia nitidicollis** (Meigen, 1818) — During my studies in the HNHM, I found the specimens, which had been published under this name by Dely-Draskovits (1983) from the Hortobágy National Park. I can corroborate that they (12 males and 18 females: Újszentmargita, Margitai-erdő) are correctly identified, so my notice (Papp 1999: 347) is to be corrected. Several specimens were also collected in 1999.

**Megalopelma nigroclavatus** (Strobl, 1909) — 1 female: Bükk NP: Miskolc, Sebes-víz patak fölött és mellett, június 10.; 1 male: Gánt, Fáni-völgy, erdei aljnövényzet, 1996. X. 24. The genus and the species are new for the Hungarian fauna.

**Monoclona** Mik, 1886 — This genus was reported as new for the Hungarian fauna last year (Papp 1999). In 1999 seven males of *M. rufilatera* (Walker, 1837) were collected in the K-Mecsek TK (Komló, Zobákpuszta, Hidasi-völgy, Petasitetum/patak fölött és mellett, május 28., június 21.) and also 21 other specimens were found in the collections from the earlier years.

**Monoclona silvatica** A. Zaitzev, 1983 — 1 male: Börzsönyi TK: Szokolya, Les-völgyi patak fölött és mellett, július 3.; 1 female: Zempléni TK: Nagyhuta, Vajda-v., Kemence-patak fölött és mellett, június 28., Papp L., Bajza Zs. These specimens fully correspond to the description of *M. mikii* Kertész, 1898, however they seem to be conspecific also with *Monoclona silvatica* A. Zaitzev, 1983. To maintain Kertész's name, it would be necessary to select a neotype. In any case this is a species new to Hungary.

**Neuratelia subulata** A. Zaitzev, 1994 — 1 male: Miskolc, Sebes-víz, 1998. V. 19. There are six specimens of *N. minor* (Lundström, 1912), incl. its neotype male (Matile 1974) and ten specimens of *N. nemoralis* (Meigen, 1818) identified partly by the present author in the HNHM. This specimen is different from those and identified with some doubt as *subulata*. In any case, this specimen represents a species formerly not recorded from Hungary.

**Paratinia sciarina** Mik, 1874 — 18 males, 1 female: Hortobágy N. P.: Újszentmargita, Margitai-erdő, Malaise trap, 06. 1974, leg. Holló. A genus and species new to Hungary.

**Phthinia** Winnertz, 1863 — This genus was reported as new to Hungary last year (Papp 1999). In this year also a second species was collected here. Zaitzev's (1994) book was used to check the identifications.

**Phthinia humilis** Winnertz, 1863 — Reported as new for the Hungarian fauna based on 3 males in the HNHM. Additional material (HNHM): 1 male: Retyezát, Szilády, "98. VII. 21., 1000 m", "Phthinia humilis v.[vagy = or] n. sp." This historically important specimen was collected in the South Carpathians by Zoltán Szilády more than 100 years ago. We do not know where it survived the big fire. 2 males, 1 female: K-Mecsek TK:

Óbánya, Óbányai-völgy, patak fölött (on female: Malaise csapda), május 25, 26, 29.; 2 males: *ibid.*, patak fölött és mellett, július 20., Papp L., Bajza Zs.; 1 male: Börzsöny TK: Szokolya: Szén-patak fölött, július 4.; 2 males: *ibid.*, patak felső folyása [upper section of creek], május 19., Papp L., Csorba G.; 2 males: Zempléni TK: Füzér: Alsó-patak fölött és mellett, június 29., Papp L., Bajza Zs.; 1 male: Bükk NP: Miskolc, Sebes-víz, patak fölött és mellett, június 10.

**Phthinia winnertzi** Mik, 1864 — 1 male, 1 female: Bükk NP: Miskolc, Sebes-víz, patak fölött és mellett, június 10.; 2 males: Kelet-Mecsek TK: Óbánya, Óbányai-völgy, patak fölött és mellett, július 20., Papp L., Bajza Zs.; 1 male: Zempléni TK: Regéc, Ördög-völgy, patak fölött, június 28., Papp L., Bajza Zs. This last male was used when A. Szappanos finalised the figure for the Appendix volume of the *Contributions to a Manual of Palaearctic Diptera*. New to Hungary.

### Gnoristini

**Boletina** Staeger, 1840 — This is a large species-rich genus: there are at least 30 species expected to occur in Hungary (cf. Zaitzev (1994) but no reliable record of any species is actually known from Hungary. In order to have the right to include also this genus in the Checklist, I identified two easily identifiable species from the several hundred specimens selected as *Boletina* spp. in the HNHM.

**Boletina anderschi** (Stannius, 1831) — 9 males, 22 females: Kerecsend, erdei aljnövényzet, 1987. IV. 30.; 1 female: ANP: Aggtelek, Ménes-p. völgye, Medvéskert, 1988. V. 11.; 1 female: Budapest, Pestszentlőrinc, Péterhalmi-erdő, 1995. IV. 23. This is a seldom collected species, known only from Europe (Zaitzev 1994) and new for the Hungarian fauna.

**Boletina trivittata** (Meigen, 1818) — 4 males: B[ükk] NP: Nagyvisnyó, Ablakoskő-völgy, rothadó almán, 1986. X. 9.; A[ggtelek] NP: 1 male: Aggtelek, Patkós-völgy, 1988. IX. 12–13.; 1 male: Szin, Szelcepuszta, 1988. X. 11.

**Coelosia flava** (Staeger, 1840) — 1 male: Zempléni TK, Nagyhuta, Senyő-völgy, patak fölött és mellett, 1999. június 9., Papp L., Szappanos A. K-Mecsek TK: 4 males: Komló, Zobákpuszta, Hidasi-völgy, patak fölött/*Petasitetum*, 1999. május 26/28.; 1 male: Óbánya, Óbányai-patak fölött, 1999. május 29. Melegmány TT: 3 males, 1 female: Pécs, Nagy-mély-völgy, patak fölött, 1999. május 27. B[ükki] NP: 1 male, 2 females: Miskolc, Sebes-víz, patak fölött és mellett, 1999. június 10. [Börzsönyi TK]: 1 female: Verőce, Magyarút, Keskeny-bükki p., patakpart 1997. VI. 10.; 1 male: Diósjenő, Király-kút környéke, Petasites, 1997. VI. 10. 3 males: Gánt, Fáni-völgy, aljnövényzet, 1997. V. 28. Laštovka and Matile (1988) listed it also from Hungary; Thalhammer's (1900) record is from Bucsecs (Roumania) and I do not know any other ones from Hungary.

**Coelosia fusca** Bezzi, 1892 (*C. silvatica* Landrock, 1918) — It is very common in winter in all parts of Hungary, and easily detectable on snow; of the thousands of specimens seen, some dozens were captured. Now 207 specimens are preserved in the HNHM from Budapest, Pestszentlőrinc, Péterhalmi-erdő, from October to April; some other specimens are from the Kiskunság NP (Bugac), Bükk NP (Cserépfalu), Hanság NP (Kimle), Börzsönyi TK (Verőce: Magyarút, Szokolya). No former records from Hungary.

**Gnoriste bilineata** Zetterstedt, 1852 — 1 female: Bükk NP: Miskolc, Sebes-víz, patak fölött és mellett, 1998. június 10. The genus and the species are new to Hungary.

**Grzegorzekia collaris** (Meigen, 1818) — 1 female: Zempléni TK: Nagyhuta, Vajdav., Kemence-patak fölött és mellett, június 30., Papp L., Bajza Zs. The genus and species are new to Hungary.

**Palaeodocosia alpicola** (Strobl, 1895) — Börzsönyi TK: 1 male: Szokolya, Les-völgyi patak fölött és mellett, július 3; 1 male: Szokolya, Szén-patak fölött, július 4. This genus and species are new for the Hungarian fauna. It is a surprise that this rare species was found; *P. janickii* (Dziedzicki, 1923), which has more frequently been reported, hitherto has not been collected in our country.

**Saigusaia flavicornis** (Strobl, 1894) — 1 male: Kelet-Mecsek TK: Óbánya, Óbányav., patak fölött és mellett, július 20., Papp L., Bajza Zs. A genus and species new to Hungary.

**Speolepta leptogaster** (Winnertz, 1863) — 1 male: Zempléni TK: Regéc, Vajdavölgy, patakpart, 1997. VI. 6. A genus and species new to Hungary; this is a widely distributed species (Laštovka and Matile (1988)), which was mainly collected in caves of Europe. Our specimen was caught open air, though.

### Leiini

**Clastobasis alternans** (Winnertz, 1863) — 1 male: Vörs, Kisbalaton, fűzligetes nádas, 1986. 07. 15., Papp L., Papp A.; 4 males, 1 female: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, erdei út és erdőszél, 1997. 06. 29.; 1 female: Csévharaszt, 1971. 06. 30., Papp J.; 25 males, 16 females: Hortobágy N.P., Újszentmargita, Margitai erdő, 1975. 06. 4., 5., 23.; 1 male, 1 female: *ibid.*, Malaise csapda [trap], 1974. 05. 23., Papp J.; 5 males, 5 females: HNP, Egyek, Ohati-erdő, fűháló, 1975. 06. 25., Kaszab Z., Papp L.; 1 male: *ibid.*, gyümölcsös [orchard], 1975. 06. 26., Papp L.; 2 males: *ibid.*, 1975. 06. 17., Kaszab; 5 specimens in the collection (Margitai erdő, Nagyhegyes: Vajdalahosi erdő, Csévharaszt) without abdomen. This species (the Hortobágy NP specimens) was reported as *Leia picta* Meigen, 1830 by Dely-Draskovits (1983) from the Hortobágy NP. It was not collected during our present collecting program; it is common on lowlands in summer.

**Greenomyia mongolica** Laštovka et Matile, 1974 — 3 females: Börzsönyi TK: Szokolya, Les-völgyi patak fölött és mellett, július 3.; 1 female: Verőce: Magyarút, Keskenybükki-p. v., komposzt erdei út mellett, 09. 18. Hortobágy N. P.: 1 male, 1 female: Tiszacsege, Kiskecskés, 1975. 08. 25., ernyősök, Papp L.; 1 male: Újszentmargita, csatornapart, 1975. 08. 26.; 1 female: Egyek, Ohati-erdő, 1975. 06. 17., fűháló, Kaszab; 1 male, 1 female: *ibid.*, 1975. 10. 22., Hámoriné, Marótiné; 1 male: *ibid.*, 1975. 06. 17., Mahunka, Kaszab. Bükk NP: 17 males: [Miskolc], Szentlélek-h., 1979. VII. [on labels VI., erroneous] 11., leg. Bajza – Papp; 1 female: *ibid.*, Látókő, 650 m, ernyősökről, VII. 3–6.; 4 males: *ibid.*, Harica-forrás környéke, VII. 5–7.; 1 male: *ibid.*, Odvas-kő, bükkös, VII. 12. 1 female: Darány, 1979. VIII. 16., leg. Majer. 3 females: Pizskés-tető, 1980. VII. 2., leg. Mihályi. 1 female: Zákány, 1982. IX. 9. 1 female: Gödöllő, 1981. V. 12., Szalay L. 1 male: Visegrád, Apát-kúti-völgy, patakpart, 1995. IX. 12. 1 male: Balatonkenese, Partfő, 1987. VIII. 2. Described from Mongolia by Laštovka and Matile (1974) but it has been reported also from the Moscow district (Zaitzev 1994) and from Bulgaria (Bechev 1997); its types were studied in the collection of the HNHM. The genus and species are new to Hungary.

**Leia** Meigen, 1818 — This is a large genus of numerous nice species. Hackman (1988) listed 25 species in the Palaearctic, Zaitzev (1994) repeated this number. A part



of the material from Hungary in the collection of the HNHM was identified this time and below five species are recorded; four of them are new for our fauna.

***Leia bimaculata*** (Meigen, 1804) — 1 male: Gánt, Fáni-völgy, erdei aljnövényzet, 1996. 10. 24.; 1 male: Hortobágy N. P., Újszentmargita, Margitai erdő, fűhálózza, 1974. 06. 13., Kaszab (Dely-Draskovits 1983; see also under *cylindrica*); 1 male: Visegrádi-hg., Gizella-telep, 1965. 10. 06., leg Babos, *Lactarius chrysorrhoeus*, kelt (emerged) 1966. 04. 13. (Dely-Draskovits 1974).

***Leia crucigera*** Zetterstedt, 1838 — [Börzsönyi TK]: 1 male: Szendehely, Aranyoskút-f., tölgyerdő, 1994. 07. 14.; 1 male: Diósjenő, Királykút, patakpart, 1996. 08. 10. Aggtelek N. P.: 1 male: Aggtelek, Almás-kert, erdő, 1990. 08. 14.; 2 males: Aggtelek, Lófej-forrás, 450 m, 1987. 09. 15.; 1 male: Jósvafő, Tengersizem-tó, 1992. 08. 12., Tóth S. New to Hungary.

***Leia cylindrica*** (Winnertz, 1863) — Zempléni TK, leg. Papp L., Bajza Zs.: 2 males: Regéc, Ördög-v., patak fölött és mellett, június 28.; 1 male, 1 female: *ibid.*, Malaise [trap] patak fölött, június 28–29.; 1 male: Füzér, Alsó-patak fölött és mellett, június 29.; 1 male: Nagyhuta, Vajda-v., Kemence-patak fölött és mellett, június 28. Börzsönyi TK: 1 male: Szokolya, Szén-patak fölött, július 4.; 1 male: *ibid.*, Les-völgyi patak fölött és mellett, július 3. Hortobágy N. P.: 4 males: Újszentmargita, Margitai erdő, 1975. 06. 4., 5., 23., Papp L. The Hortobágy N.P. specimens were published as *L. bimaculata* by Dely-Draskovits (1983). New for the Hungarian fauna.

***Leia subfasciata*** (Meigen, 1818) — 1 male: Diósjenő, Királykút környéke, *Petasites*, 1997. 06. 10. Zempléni TK: 1 male: Nagyhuta, Vajda-v., patak fölött, június 8., Papp L., Szappanos A.; 2 males: Füzér, Alsó-patak, szurdokvölgy, 1997. 06. 06. A widespread species (Hackman 1988), new to Hungary.

***Leia winthemi*** Lehmann, 1822 — Zempléni TK: 1 male: Nagyhuta, Vajda-v., patak fölött, június 10.; 1 male: *ibid.*, június 8., Papp L., Szappanos A.; 3 males: *ibid.*, Kemence-patak fölött és mellett, június 28., Papp L., Bajza Zs.; 1 male: Regéc, Ördög-völgy, patak fölött, június 28., Papp L., Bajza Zs. Melegmány-völgy TT: 1 male: Pécs, Nagy-mély-v., patak fölött, május 27. Aggteleki N. P.: 1 female: Szin, Szelcepuszta, 1988. 10. 13. Also this species is new for the Hungarian fauna.

***Novakia scatopsiformis*** Strobl, 1893 — New records after Papp (1999): 1 male: Uza, gyertyános tölgyes, 1987. 08. 01. Aggtelek N. P.: 1 male: Medvéskert, patakpart, 1990. 08. 15.; 2 males: Perkupa, Telekes-völgy, erdőszél, 1990. 08. 14. An extremely rare species reported last year as new to Hungary.

***Neoclastobasis sibirica*** (Ostroverkhova, 1970) — 1 female: Szár, Fáni-völgy, rothadó *Trametes* sp., 1996. X. 02. 6 males: Pécs, Égervölgy, 1979. X. 1., leg. Majer. Actually this record is the first one for Hungary. Dely-Draskovits (1974) reported it from Hungary but those specimens were described later by Matile (1978) as *N. draskovitsae*. Those type specimens were seen in the HNHM; the two species are easily distinguishable. So this species is new to Hungary and as far as I am informed, it was not formerly reported from Europe either.

***Tetragoneura sylvatica*** (Curtis, 1837) — 1 female: Börzsönyi TK: Szendehely, Keskenybükki-p. v., 2 napos csigatetem, cs. No. 13 (dead *Helix* snails, 2 days old, trap no. 13), 1997. 08. 8–9. 1 male: K-Mecsek TK: Óbánya, Óbányai-völgy, patak fölött Malaise csapda [trap], május 29. This genus and species are new for the Hungarian fauna.

## MYCETOPHILINAE

## Mycetophilini

**Epicypa aterrma** (Zetterstedt, 1852) — Börzsönyi TK: 2 males, 1 female: Szokolya, Les-völgyi patak fölött és mellett, július 3.; 1 male: Verőce, Magyarkút, Keskenybükki-patak fölött és mellett, 07. 25.; 2 males: Szendehely, Aranyos-kút, 1995. VII. 29. 1 female: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 1994. IX. 11. A species new to Hungary.

**Epicypa scatophora** (Perris, 1849) — 1 male: Verőce, Magyarkút, Keskenybükki-patak fölött és mellett, 07. 25. Thalhammer (1900) listed it from Sátoraljaújhely, but those specimens were perished in 1956 and I am afraid, we must regard that as a questionable record.

**Macrobrachius kowarzi** Dziedzicki, 1889 — 1 male: K-Mecsek TK: Komló, Zobákpuszta, Hidasi-völgy, Petasitetum, 1999. május 28. 1 male, 1 females: Börzsönyi TK: Szokolya, Szén-patak fölött, július 4. This is the first record of this genus and species from Hungary.

**Platurocypta punctum** (Stannius, 1831) — 1 male: Verőce, Magyarkút, Keskenybükki-patak fölött és mellett, 07. 25.; 1 male: Szokolya, Les-völgyi patak fölött és mellett, július 3.; 1 female: *ibid.*, patakpart, erdő, szept. 18. Though Laštovka (1988) recorded it as widely distributed in Europe, has not been known from Hungary hitherto.

**Platurocypta testata** (Edwards, 1925) — 2 males: Szokolya, Szén-patak fölött, július 4. Also this species is new for the Hungarian fauna. Several other specimens of *Platurocypta* are still unnamed in the collection of the HNHM.

**Sceptonia costata** (van der Wulp, 1858) — 1 male: Verőce, Magyarkút, Keskenybükki-p. v., komposzt erdei út mellett, aug. 21. 1 female: Szendehely, Aranyos-kút, 1995. VII. 29. 1 female: Budapest, Pestszentlőrinc, Péterhalmi-erdő, tölgyes, 1994. IX. 11. A species new for the Hungarian fauna. It is highly probable that some other species of this genus will also be found in Hungary. *S. nigra* (Meigen, 1804) seems rather common based on the new collectings but not recorded until last year (Papp 1999). By now more than 170 unnamed specimens are preserved in the HNHM, which may belong to 8 to 10 species.

## Exechiini

**Anatella** Winnertz, 1863 — A large genus; Hackman (1988) listed 30 species from the Palaearctic. In his revision Zaitzev (1989) treated 20 species from the USSR, describing six as new ones (and he proposed synonymy for three species listed by Hackman). Our material in the HNHM from Hungary, although not numerous, contains several species. In order to include this genus in the Checklist, one of them was identified through the preparation of the male genitalia.

**Anatella turi** Dziedzicki, 1923 — 1 male: Kelet-Mecsek TK: Óbánya, Óbányai-v., patak fölött és mellett, július 20., Papp L., Bajza Zs. New to Hungary.

**Brachypeza (Brachypeza) armata** Winnertz, 1863 — 5 males, 1 female: Verőce: Magyarkút, Les-völgy, *Pleurotus*-ról, 1996. V. 27.; 1 male: *ibid.*, világító tölcsergombák, 1996. VIII. 7. This peculiar and easily identifiable species is new for our fauna, as is the genus *Brachypeza*.

**Pseudobrachypeza helvetica** (Walker, 1856) — K-Mecsek TK (3 males, 1 female): 1 male, 1 female: Óbánya, Óbányai-v., patak fölött és mellett, július 20., Papp L., Bajza Zs.; 2 males: Komló, Zobákpuszta, Hidasi-völgy, patak fölött és mellett, július 21. This genus and species are new to Hungary. Chandler (1998) questioned the identity of *P. pseudohelveticus* Plassmann, 1984. I have 12 males, which may fit better to the latter one but based on some genitalia preparation, also I am rather irresolute.

**Stigmatomeria** Tuomikoski, 1966 — This genus was listed as a subgenus of *Brevicornu* Marshall, 1896 in the *Catalogue of Palaearctic Diptera* (Laštovka 1988) with two species but it keyed as a genus by Söli *et al.* (2000) in the Palaearctic Diptera manual with only one included species, *S. crassicornis* (Stannius, 1831). This species seems to be common in Hungary. However, I found also another species in our material differing in male genitalia. With regard to the junior synonyms to *crassicornis*, I do not want to risk an increasing mess by describing that additional species as new, so I publish only data of the specimens I identified as *crassicornis*.

**Stigmatomeria crassicornis** (Stannius, 1831) — Börzsönyi TK: 1 male: Verőce, Magyarút, Keskenybükki-patak fölött és mellett, 07. 25.; 1 male: Szokolya, Szén-patak felső folyása, május 19., Papp L., Csorba G.; 2 males: *ibid.*, patak fölött, július 4.; 1 male: Diósjenő, Király-kút környéke, *Petasites*, 1997. 06. 10. Zempléni TK: 1 male: Füzér, Alsó-patak fölött és mellett, június 29., Papp L., Bajza Zs.; 2 males: Pálháza, Komlóska-patak partján, 1998. 05. 21.; 2 males: Pálháza [correctly: Regéc], Ördög-völgy, 1998. 05. 20. K-Mecsek TK: 1 male: Óbánya, Óbányai-völgy, patak fölött, május 25. Aggteleki N.P.: 1 male: Jósvalfő, Tengerszem, erdei tisztás, 1988. 10. 13.; 1 male: Szögliget, Ménes-p. völgye, 1988. 07. 18. 1 female: Gánt, Fáni-völgy, erdei aljnövényzet, 1996. 10. 24.; 1 female: Vérteskozma, Fáni-völgy, aljnövényzet, 1997. 09. 28. 1 female: Mátrászentimre, 1984. 06. 04., Mihályi. Hortobágy N. P.: 3 females: Újszentmargita, erdőszél, talajcsapda, 1976. 06. 12., Kaszab. This species is new for the Hungarian fauna; though Thalhhammer (1900) listed it under the name *Allodia crassicornis* Stann., all those localities are out the the border of the present Hungary.

**Synplasta** Skuse, 1890 — This generic name is a senior subjective synonym of *Gymnagonia* Tuomikoski, 1966. Of those specimens, which were identified by L. Matile in 1972, Dely-Draskovits (1983) published *S. praeformida* (Dziedzicki, 1910) and *S. venosa* (Dziedzicki, 1910) from the Hortobágy NP and *S. praeformida* (Dziedzicki, 1910) from the Bükk N. P. (Dely-Draskovits 1996). There is also a male of *S. excogitata* (Dziedzicki, 1910) identified by Matile in the HNHM. Our material from Hungary may contain several (ca. five) other species of the genus. This generic name is published for the first time in connection with the Hungarian fauna.

## DIXIDAE

A small family of little studied species. Szabó (1959), in his revision of the dixids of the Carpathian Basin, noted that a single specimen of *Dixa* was found in the old collection of the HNHM (i.e. in the one before the fire!). He collected numerous specimens and listed four species of *Dixa* and two species of *Dixella* (as “*Paradixa* Tonn. subgenus”). As for the latter ones, he described *Dixa (Paradixa) atra* sp. nov., which later proved to be a junior synonym of *Dixella monticola* (Nielsen, 1937). Unfortunately, after his death inadequate curating of his collection at the Debrecen University resulted in the destruction of those type specimens and numerous other dipterous specimens by

*Anthrenus* larvae. Of the remaining specimens of Szabó's collection, most of the *D. submaculata* specimens were misidentified.

The potential number of the species in the Hungarian fauna is ca. 17–18 species but voucher specimens of only 9 species have been found hitherto, of which two species are reported here as new to our fauna.

**Dixella amphibia** (De Geer, 1776) — 1 male, 2 females: Bükk N. P: Miskolc, Sebesvíz patak fölött és mellett, június 10.

**Dixella obscura** (Loew, 1849) — 1 female: Velence, 1964. VI. 28., fénycsapda [light trap]; widespread (Rozkošný 1990), though nothing but this specimen has hitherto been collected in Hungary.

## REFERENCES

- Bechev, D. N. (1997): Check-list of the fungus gnats (Diptera: Sciaroidea, excluding Sciaridae) of the Balkan Peninsula. — *Trav. Sci. Univ. Plovdiv, Animalia* 33(6): 9–22.
- Chandler, P. J. (1998): 20. Mycetophilidae, pp. 113–125. — In: Merz, B., Bächli, G., Haenni, J.-P. and Gonthier, Y. (eds): *Fauna Helvetica 1, Diptera – Checklist*. CSCF und Schweizerische Entomologische Gesellschaft, 369 pp.
- Dely-Draskovits, Á. (1974): Systematische und Ökologische Untersuchungen an den in Ungarn als Schädlinge der Hutzpilze auftretenden Fliegen VI. Mycetophilidae (Diptera). — *Folia ent. hung.* 27(1): 29–41.
- Dely-Draskovits, Á. (1983): Ceroplatidae, Diadocidiidae, Macroceridae, Mycetophilidae, Ptychopteridae, Dixidae, Ceratopogonidae, Lonchopteridae, Pipunculidae, Conopidae, Scathophagidae and Anthomyiidae (Diptera) of the Hortobágy. — In: Mahunka, S. (ed.): *The Fauna of the Hortobágy National Park II*. Akadémiai Kiadó, Budapest, pp. 269–277.
- Dely-Draskovits, Á. (1987): Chloropidae, Macroceridae, Diadocidiidae, Keroplatidae, Ptychopteridae, Ceratopogonidae, Conopidae and Scathophagidae (Diptera) of the Kiskunság National Park. — In: Mahunka, S. (ed.): *The Fauna of the Kiskunság National Park II*. Akadémiai Kiadó, Budapest, pp. 291–302.
- Dely-Draskovits, Á. (1996): Bolitophilidae, Keroplatidae, Macroceridae, Manotidae, Mycetophilidae, Ptychopteridae, Ceratopogonidae, Simuliidae, Pipunculidae, Platypezidae, Opetiidae, Conopidae, Chloropidae and Scathophagidae (Diptera) of the Bükk National Park. — In: Mahunka, S. (ed.): *The Fauna of the Bükk National Park II*. Hungarian Natural History Museum, Budapest, pp. 411–425.
- Hackman, W. (1988): Family Mycetophilidae, Subfamily Sciophilinae, Tribe Leini. Vol. 3, pp. 254–263. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Krivoshchina, N. P. and Mamaev, B. M. (1988): Family Keroplatidae. Vol. 3, pp. 197–199. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Laštovka, P. (1988): Family Mycetophilidae, Subfamily Mycetophilinae, Tribe Mycetophilini. Vol. 3, pp. 263–296 [excl. Phronia, pages 280–288]. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Laštovka, P. and Matile, L. (1988): Family Mycetophilidae, Subfamily Sciophilinae, Tribe Gnoristini. Vol. 3, pp. 242–253. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Matile, L. (1974): Notes sur les Mycetophilidae (Diptera) de la Faune de France. III. Le genre *Neuratelia*. — *Entomologiste* 30: 26–28.
- Matile, L. (1975): Révision des *Asindulum* et des *Macrorrhyncha* de la région paléarctique (Dipt., Mycetophilidae). — *Annls Soc. ent. Fr. (n.s.)* 11(3): 491–515.

- Matile, L. (1978): Description d'un Neoclastobasis nouveau de Hongrie et remarques sur divers Leiini Diptera: Mycetophilidae. — *Folia ent. hung.* **31**(1): 167–172.
- Matile, L. (1988): Family Mycetophilidae, Subfamily Sciophilinae, Tribe Sciophilini. Vol. 3, pp. 231–241. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Matile, L. (1990): Recherches sur la systématique et l'évolution des Keroplatidae (Diptera, Mycetophiloidea). — *Mém. Mus. natn. Hist. nat., Paris (A)* **148**: 1–682.
- Papp, L. (1998): Two dipterous families new to Hungary (Pseudopomyzidae and Chiropteromyzidae). — *Folia ent. hung.* **59**: 121–123.
- Papp, L. (1999): Nematoceran genera and species new to Hungary (Diptera: Limoniidae, Cylindrotomidae, Ditomyiidae and Mycetophilidae). — *Folia ent. hung.* **60**: 345–348.
- Plassmann, E. (1988): Family Bolitophilidae, Vol. 3, pp. 193–196. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Rozkošný, R. (1990): Family Dixidae, Vol. 2, pp. 66–71. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 499 pp.
- Savchenko, E. N., Oosterbroek, P. and Starý, J. (1992): Family Limoniidae, Vol. 1, pp. 183–369. — In: Soós, Á., Papp, L. and Oosterbroek, P. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 520 pp.
- Søli, G. E. E., Vockeroth, J. R. and Matile, L. (2000): A.4. Families of Sciaroidea. Appendix, pp. 49–92. — In: Papp, L. and Darvas, B. (eds): *Contributions to a Manual of the Palaearctic Diptera*. Science Herald Budapest, 604 pp.
- Szabó, J. (1959): Revision der Dixiden des Karpathenbeckens nebst Beschreibung einer neuen Dixia-Art. — *Acta Univ. debrecen.* **4**: 249–255.
- Thalhammer, J. (1900): Diptera. — *A Magyar Birodalom Állatvilága (Fauna Regni Hungariae)*. A K. M. Természettudományi Társulat, Budapest, **3**, Dipt.: 1–76. [in Latin and Hungarian]
- Väisänen, R. (1988): Family Mycetophilidae, Subfamily Sciophilinae, Tribe Mycomyini. Vol. 3, pp. 221–231. — In: Soós, Á. and Papp, L. (eds): *Catalogue of Palaearctic Diptera*. Akadémiai Kiadó, Budapest, 448 pp.
- Zaitzev, A. I. (1983): Review of Holarctic species of the genus *Monoclona* Mik (Diptera, Mycetophilidae). — *Ent. Obozr.* **62**(3): 620–627. [in Russian]
- Zaitzev, A. I. (1989): A review of fungus gnats of the genus *Anatella* Winn. (Diptera, Mycetophilidae) of the fauna of the USSR. — *Ent. Obozr.* **68**(4): 809–820. [in Russian]
- Zaitzev, A. I. (1994): *Gribnye komary fauny Rossii i sopredel'nykh regionov. Semejstva Ditomyiidae, Bolitophilidae, Diadocidiidae, Keroplatidae, Mycetophilidae (podsemejstva Mycomyiinae, Sciophilinae, Gnoristinae, Allactoneurinae, Leiinae)*. Chast' I. — Rossijskaya Akademiya Nauk, Moskva, "Nauka", 288 pp. [in Russian]

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# *Catalogue of Palaeartic Diptera*

edited by Á. SOÓS, L. PAPP and P. OOSTERBROEK

## *Volume 1 Trichoceridae – Nymphomyiidae*

The Catalogue contains the basic taxonomic, nomenclatorial and distribution data of all species occurring in the Palaeartic Region with the fundamental morphological features for the majority of the fly groups.

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