

Nine drosophilid species new to Hungary  
(Diptera: Drosophilidae)

By

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**Nine drosophilid species new to Hungary (Diptera: Drosophilidae).** - Nine species of the family Drosophilidae are reported as new to the Hungarian fauna. *Chymomyza procnemoides* Wheeler, a Nearctic species (probably introduced) is new to the Palearctic. Together with these species the Hungarian drosophilid fauna comprises 66 species.

Drosophilids belong to the best known dipterous groups as for the faunistics of Hungary (see in details in Papp and Pecsénye 1988). The occurrence of 57 drosophilid species were published and corroborated. The present author made a series of apple-bait collectings in four creek valleys of the Hungarian low mountains from 1988 to 1990 (Papp 1993) collecting nearly nine-thousand drosophilids; all these materials included also several species new for the Hungarian fauna. Some other collectings, particularly those made on freshly cut wood (poplar wood) resulted in obtaining some representatives of other species new to Hungary.

The mountain valley collectings were made at the following localities:

Aggtelek National Park, Aggtelek, Medvés-kert [nr. Ménes forrás and downstream],

Bükk National Park, Miskolc, Garadna-völgy [valley], 2-300 m upstream Hámor lake,

Börzsöny Mountains, Verőce, Magyarút, Keskenybükki-patak völgye [creek valley],

Visegrád Mountains, Visegrád, Apátkúti-völgy. These localities are given below in a coded form: by a letter and six numbers of time data, e.g. V14.07.89 is for the sample collected in the Apátkúti-völgy, 14 July 1989.

Most of the specimens were collected by the author, so the collector's name is given in other cases only.

All the specimens are preserved in the collection of the Zoological Department, HNHM, Budapest (minutia-pinned, double mounted, also those specimens which were originally kept in alcohol).

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***Stegana (Steganina) coleoprata* (Scopoli, 1763)**

♀ Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.20., 9-10 hrs - A widespread species (Palearctic or even Holarctic) published also from Hungary but earlier records were based on misidentifications (see Papp and Pecsénye 1988).

***Amiota (A.) rufescens* (Oldenberg, 1914)**

1♂: A.N.P.: Aggtelek, Medvés-kert, cefrecsalétek [apple bait], 15.08.1990, leg. L. Papp. - A rare species new to Hungary; known from Switzerland, Great Britain, Romania, Finland and Russia (CET).

***Chymomyza amoena* (Loew, 1862)**

1♂: Óriszentpéter, Lugosi erdészház - erdei tisztás, 1980.VII.30. (this is the only specimens published from Hungary: Papp and Pecsénye 1988); 2♂, ♀ Verőcsemaros, Magyarkút, tölgyes [oak forest] - 1986.IX.28., patak völgy, almacsalétekre [creek valley, on apple bait]; 4♂, ♀ Budakeszi, Makkosmária, tölgyes - 1986.IX.26., leg. Papp L.-Ádám L., 400m, almacsalétekre; 6♂, ♀ Bükk N.P.: Nagyvisnyó 550m, Ablakoskő-völgy, *Phyllitidi-Aceretum* - rothadó almán és cefrén [on fermenting apples]; 1♂: Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.22., 19-20 hrs; 1♂, ♀ idem, V.20., 9-10 hrs; 1♂: idem, nyárfarönkökről [on poplar trunks], V.26., 10 h; 1: A19.07.88, 2: A15.08.90, 2: A11.09.90, 2: B21.07.88, 3: B03.08.89, 2: B08.09.89, 1: B16.08.90, 1: M21.08.88, 2: M22.08.88, 2: V14.07.89, 5: V27.07.89. - It is also introduced from the Nearctic region (cf. Bächli and Rocha Pité 1984) but several years earlier.

***Chymomyza caudatula* Oldenberg, 1914**

1♂, ♀ Budakeszi, Makkosmária, tölgyes [oak forest] - 1986.IX.26., leg. Papp L.-Ádám L., 400m, almacsalétekre; 4♂: Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.22., 19-20 hrs.; 1♂, ♀ idem, V.20., 9-10 hrs; 13♂, ♀ idem, nyárfarönkökről [on poplar trunks], V.26., 10 h; 2♂: idem, nyárfarönkökről, V.28., 19-20 hrs; 25♂: idem, nyárfarakásról [on piles of poplar trunks], V.30., 19-20 hrs; 9♂: idem, VI.3., 18-19 hrs; 1♂: idem, nyárfarakásról, VI.11., 19-20 hrs; 1♂: V14.07.89. - A rare Holarctic species new to Hungary; in Europe it is known from A, CH, D, R, S, SF and Russia.

***Chymomyza distincta* (Egger, 1862)**

2♂, ♀ Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.22., 19-20 hrs; 2♂: idem, nyárfarönkökről [on poplar trunks], V.26., 10 h; ♀ idem, nyárfarakásról, V.30., 19-20 hrs; 1♂: idem, VI.3., 18-19 hrs; ♀ Gerecse T.K., Tata-Agostyán, Bocsajtó-v., bükkös [beech forest], 1990.VII.9. (In the collection of the HNHM there is one male also from Bardejov, Slovakia ("Bártfa, 1916.VI.21., Kertész").- New to Hungary; hitherto known

from Europe, NET, CET (Russia) and also from Japan (Bächli and Rocha Pité 1984).

***Chymomyza fuscimana* (Zetterstedt, 1838)**

6♂: Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.22., 19-20 hrs.; 4♂: idem, V.20., 9-10 hrs; 4♂, ♀ idem, nyárfarakásról [on piles of poplar trunks], V.30., 19-20 hrs; 1♂: idem, nyárfarönkökről [on poplar trunks], V.26., 10 h; 1♂: idem, nyárfarakásról, VI.3., 18-19 hrs. - Widely distributed in Europe, Siberia and Japan (Bächli and Rocha Pité 1984) but seldom collected. In Hungary formerly known from the Bükk N.P.: Miskolc, Garadna völgy [valley] only (Papp and Pecsénye 1988).

***Chymomyza procnemoides* Wheeler, 1952**

1♂: Budapest, Pest[szent]lőrinc, Péterhalmi erdő [forest], frissen vágott nyárfarönkökről [from freshly cut poplar trunks], 1990.V.22., leg. Papp L. "*Chymomyza procnemoides* !" det. D. Grimaldi 1990. - Formerly known from the Nearctic Region, principally from the southern United States (Grimaldi 1986); new to Hungary and for the Palearctic fauna. It must be introduced from the New World through import of pulp wood or with poplar saplings though we do not know any direct trade of this kind between Hungary and the U.S.. It seems probable that it has been introduced also into some other European countries but not collected there.

***Drosophila (Drosophila) tsigana* Burla et Gloor, 1952**

1♂: M19.08.90; ♀ A.N.P.: Jósvafő, tölgy kicsorgó nedvéről [on oozing sap of an oak tree] , 20.07.88. - Hitherto known from Portugal and France only (cf. Bächli and Rocha Pité 1984), new to Hungary and to the Carpathian Basin.

***Drosophila (Drosophila) unimaculata* Strobl, 1893**

1: A12.10.88, 1: M15.10.88, 33: B21.07.88, 24: B14.10.88, 1: V14.07.89, 7: B8.09.89, 39: B11.10.89, 1: A2.08.89,

1♂: A11.09.90, 28: B16.08.90, 39: B13.09.90, 141ex.: B27.09.90. - Known from the medial zone of Europe (from Great Britain to Romania). It seems locally abundant in Hungary and it was found in all the four valleys studied.

***Drosophila (Sophophora) helvetica* Burla, 1948**

2: M18.08.90, 1: A02.08.89. - Widespread from Great Britain to Japan, outside the Palearctic it has been found also in India.

***Drosophila (Sophophora) subsilvestris* Hardy et Kaneshiro, 1968**

1♂: B10.14.88, 2: M01.10.89, 16: B08.09.89, 1: B11.10.89, 1: A02.08.89, 34:

A07.09.89, 18: A11.09.90, 2: B13.09.90, 1: B27.09.90, 2: V07.09.90. - Known from Europe from S to YU and from GB to C Russia but these are the first records from Hungary.

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