

RECENT DATA ABOUT SOME SYRPHIDS (DIPTERA: SYRPHIDAE) FROM MARAMUREȘ, ROMANIA*

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Abstract. Faunistical, ecological and distributional data on 32 syrphid species, recently collected from the Maramureș Depression, are presented; four species are mentioned for the first time in Romania, 30 are mentioned for the first time in Maramureș, the Asian genus *Liochrysogaster* Stackelberg 1924 being mentioned for the first time in Europe; other 14 species are Palaearctic rarities.

Résumé. On présente des données faunistiques, écologiques, chorologiques et de distribution pour 32 espèces de Syrphidae récemment collectées dans la dépression Maramureș; quatre espèces sont pour la première fois signalées en Roumanie, 30 pour la première fois signalées au Maramureș, le genre asiatique *Liochrysogaster* Stackelberg, 1924, étant pour la première fois signalé en Europe; 14 autres espèces sont des raretés paléarctiques.

Key words: Syrphidae, Romania, faunistical data, Maramureș Depression.

Although Romania is one of the best mapping countries of Europe, from the point of view of the syrphids, by its 463 species, faunistical researchings are still necessary in some interesting areas, remained as some white spots; this is the case of Maramureș Depression, where only 15 species from the Maramureș mountains or Depression are mentioned, as it results from the only contributions we know as yet: Frivaldszky (1871) (abbreviated = FV.), Brădescu (1991) (abbreviated = BR.).

Dasyrphus pinastri (De Geer)
(= *lunulatus* Meig.) FV.
Ischyrosyrphus glaucius (L.) FV., BR.
Melangyna umbellatarum (F.) FV., BR.
Meliscaeva cinctella (Zett.) FV., BR.
Scaeva pyrastris (L.) FV.
Chrysotoxum arcuatum (L.) BR.
Chrysotoxum vernale (Loew) FV.

Cheilosia albitarsis (Meig.) FV.
Cheilosia variabilis (Panz.) FV.
Eumerus flavitarsis Zett., BR.
Eumerus ornatus Meig., FV.
Helophilus trivittatum (F.), FV.
Microdon devius (L.), FV., BR.
Temnostoma vespiforme (L.), FV.
Chalcosyrphus piger (F.), FV.

The first author also specifies the collecting places: Valea Făina and the area of Vârful Toroiaga (1930 m) (under the Hungarian toponym "Lungacsászán").

Between 1995–1998 the team of "Grigore Antipa" National Museum of Natural History from Bucharest made faunal researchings both in the basins of the main rivers: Iza, Mara, Vișeu, Săpânța, and in the adjacent areas: Rodna and Maramureș mountains.

Within a project of faunistical, zoogeographical and ecological research of Maramureș Depression, briefly presented by Gâldean and Pârvu (1997) and after it, numerous faunistical contributions were published, based on the recent field data.

* English translation by Mihaela Barcan Achim.

In this note, a list of 32 species (of 13 genera) are presented, only two of them - *Cheilosia albitarsis* (Meig.) and *C. variabilis* (Panz.) – were mentioned before from Maramureş, from Valea Făina (Friv. op. cit.).

The paper deals, between other species, the “black” species of the genus *Cheilosia*, a difficultly identifying group, which includes 4 species, unmentioned from Romania: *Leyogaster nigricans* (Stackelberg), *Myolepta ruficornis* (Zetterstedt), *Orthonevra intermedia* (Lundbeck) and *Liochrysogaster przewalskii* Stackelberg – the last one, described from China, is mentioned for the first time from Europe.

The species list also includes data on their distribution in Romania; 14 are considered rare from the Palaearctic point of view. For some species we make specifications regarding their preferred habitats (being bioindicators) and distributional data for the whole range are given.

The identification and the systematical updating of the material were made according to (1932), Goot (1981), Violovitch (1983), Vujić (1996), Holinka & Mazánek (1997).

Abbreviations (collectors' name):

A.P. – Angela Petrişor	E.R. – Elena Rusu
A.S. – Aurora Stănescu	F.V. – Frivaldszky (1871)
A.V. – Adriana Văraru	I.M. – Ioana Matache
BR. – Brădescu (1991)	R.S. – Rodica Serafim
C.P. – Corneliu Părvu	Ş. P. – Şerban Procheş

Species list

Didea intermedia Loew, 1854: 1 ♀, Săpânţa-Tăul lui Dumitru, 7.VII.1996, C.P., 3 ♀♀, Săpânţa-Poiana Brustani, 6-13.VII.1996, I.M., C.P. Palaearctic species, rare, known in Romania from the Southern Carpathians and Romanian Plain.

Xanthogramma laetum (Fabr., 1794): 2 ♀♀, Repedea-Poiana Smerecenii, 22.VI.1997, I.M., R.S., 1 ♀, Mara-dam Tătaru, 17.VII.1998, Ş.P., C.P., 1 ♀, Mara - 2 km upstream, 17.VII.1998, A.P. Rare European species, known in Romania from the Western and Southern Carpathians.

Melangyna quadrimaculata (Verr., 1873): 1 ♂, Repedea-Poiana Elmo, 24.VI.1997, R.S. Rare Palaearctic species, known in Romania only from Moldavia (Jijia Depression).

Meligramma cingulata (Egg., 1860): 1 ♀, Repedea-Poiana Smerecenii, 20.VI.1997, R.S. European species mentioned from Romania from the Curved Carpathians and Moldavia (Jijia Depression).

Cheilosia albitarsis (Mg., 1822): 1 ♂, 1 ♀, Repedea-Poiana Smerecenii, 22.VI.1997, C.P. Frequent species in wet biotopes. In Romania it is spread from the Romanian Plain to the mountain area.

Cheilosia antiqua (Mg., 1822): 1 ♀, Repedea-Poiana Elmo, 24.VI.1997, R.S.

Cheilosia faucis (Beck., 1894): 1 ♀, Repedea - 17 km upstream on Valea Cârligătura, 27.VI.1997, C.P. European species, alpine, rare. In Romania it is known from the Retezat mountains.

Cheilosia fraterna (Mg., 1830): 2 ♀♀, Repedea - Forest range, 22.VI.1997, C.P. 2.VII.1997. Rare Palaearctic species. In Romania it is distributed both in the mountain area and in the Dobrogea Tableland.

Cheilosia latifrons (Zett., 1843): 1 ♀, Bistra, 28.VI.1997, C.P., 3 ♀♀, Vișeu de Jos, 22.VIII.1997, E.R. Palearctic species, relatively frequent.

Cheilosia nigripes (Mg., 1822): 2 ♂♂, Repedea - Forest range, 22.VI.1997, C.P., 1 ♂, Repedea-Poiana Smerececi, 22.VI.1997, C.P., 5 ♀♀, Repedea - 17 km upstream on Valea Cârlișău and in the hilly area of Moldavia and the Romanian Plain.

Cheilosia pascuorum Beck., 1894: 4 ♀♀, Repedea - 17 km upstream on Valea Cârlișău, 27.VI.1997, C.P. (2 specimens), I.M. (1 specimen), A.S. (1 specimen). Mountain, rare, North and Central European species, known from S-V Romania (Banat, Retezat, Săpânța mountains).

Cheilosia proxima (Zett., 1843): 1 ♂, Săpânța-Poiana Nireș, 12.VI.1996, C.P., 1 ♀, Repedea - Poiana Smerececi, 22.VI.1997, C.P. Common Palearctic species.

Cheilosia sahlbergi Beck., 1894: 1 ♀, Repedea - Forest range, 2.VII.1997, I.M. Known from Central and Northern Europe, the Caucasus. In Romania it is known from the mountain and hilly areas.

Cheilosia scutellata (Fall., 1817): 1 ♀, Repedea - Poiana Elmo, 24.VI.1997, I.M., 1 ♂, Repedea - Forest range, 26.VI.1997, I.M., 1 ♀, Crasna Vișeuului, 23-29.VIII.1997. C.P. Palearctic species distributed in Romania from the field area to the sub-alpine one.

Cheilosia variabilis (Panz., 1798): 2 ♀♀, Repedea - Poiana Smerececi, 22.VI.1997, C.P. Forest Palearctic species, known in Romania from the hilly to the mountain area. Mentioned from Maramureș, from Valea Făina (Frivaldszky, op. cit.).

Cheilosia vernalis (Fall., 1817): 1 ♂, Berbești, 24.VII.1998, A.V. Common Palearctic species.

Cheilosia vicina (Zett., 1849) (= *nasutula* Beck., 1894): 1 ♀, Izvorul Izei, 6.VII.1995, C.P., 1 ♀, Repedea - Poiana Smerececi, 22.VI.1997, C.P. Palearctic species, in Romania found only in the S-V mountain area (Banat and Retezat).

Chrysogaster simplex Loew, 1843: 1 ♀, Săpânța - Poiana Nireș, 11.VII.1996, I.M. Common Central European species.

Chrysogaster viduata (L., 1758): 2 ♀♀, Repedea - Forest range 26.VI.1997, I.M. River European species, preferring wet biotopes. In Romania widely distributed.

Lejogaster nigricans (Stack., 1922): 1 ♀, Repedea - Poiana Smerececi, 22.VI.1997, C.P. Distribution: Europe: Yugoslavia, Bulgaria, Albania, Greece, Russia - central European zone (Ryazan Region), Crimea.

Melanogaster hirtella (Loew, 1843): 1 ♀, Repedea - Poiana Smerececi 22.VI.1997, I.M. Rare Central European river species, preferring wet biotopes. In Romania it is known from the central area of the Romanian Plain.

Liochrysogaster przewalskii Stack., 1924: 1 ♂, Săpânța - Poiana Nireș, 11.VI.1996, I.M. (Fig. 1 A - G). Distribution: China. Species mentioned for the first time from Europe.

Myolepta obscura Becher, 1882: 1 ♂, Repedea - 17 km upstream on Valea Cârlișău, 27.VI.1997, I.M. Rare species mentioned from Central and Southern Europe, known in Romania only from Banat.

Myolepta ruficornis (Zett., 1843): 2 ♀♀, Crasna Vișeuului, 23-29.VIII.1997, C.P. Distribution: Europe, Siberia, Japan. Species mentioned for the first time from Romania. It is considered very rare.

Myolepta vara (Panz., 1798): 1 ♀, Mara - 2 km upstream, 17.VII.1998, C.P. Very rare Palearctic species, known in Romania from Banat and Transylvania.

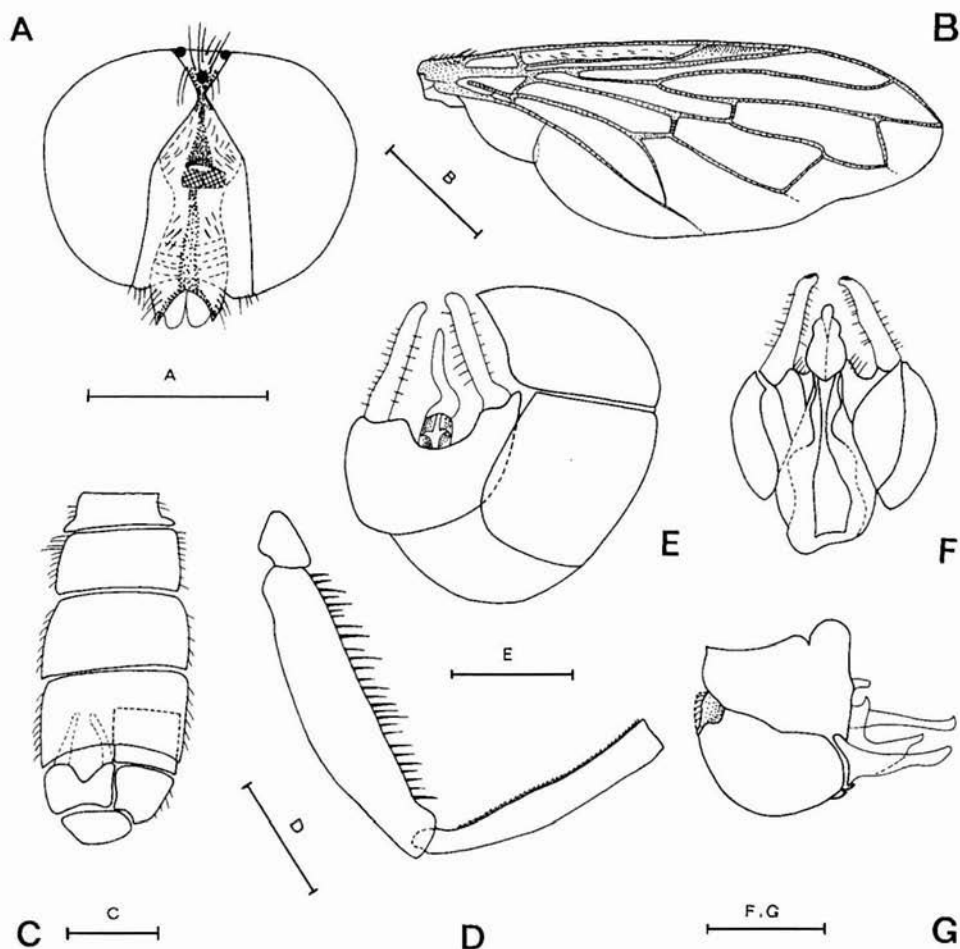


Fig. 1 – *Liochrysogaster przewalskii* Stack. ♂: A – the head in frontal view; B – the wing; C – the abdomen in ventral view; D – the hind leg; E – the abdominal apex in dorsal view; F – the genital armature in ventral view; G – the genital armature in lateral view. Scales: A, C = 1 mm; B, D – G = 0.5 mm.

Neosciasa geniculata (Meig., 1822): 1 ♂, Repedea - Poiana Smerecenii, 22.VI.1997, I.M. Rare river Palaearctic species, known in Romania from Moldavia (Jijia and Dornelor Depression).

Orthonevra brevicornis Loew, 1843: 2 ♀♀, Repedea - Poiana Smerecenii, 22.VI.1997, C.P., 2 ♀♀, Berbești, 24.VII.1998, A.V. Rare Palaearctic species, preferring wet biotopes. Mentioned in Romania from Banat, the Western Carpathians, the Danube Delta.

Orthonevra geniculata (Mg., 1830): 1 ♀, Crasna-Maidan, 23.VI.1997, C.P. Rare river Palaearctic species, known in Romania from Moldavia.

Orthonevra intermedia (Lund., 1916): 1 ♂, Bârsana, 3.VII.1995, C.P., Săpânța-Poiana Nireș, 6-10.VII.1996, A.S., 1 ♀, Repedea Poiana Smerecenii, 22.VI.1997, C.P., 1 ♀, Baia Borșa, Bălăsăna Valley, 21.VIII.1997, C.P.

Distribution: Norway, Sweden, Finland, Denmark, the Netherlands, Belgium, Germany, Poland, France, Hungary, Kamchatka, Sakhalin, Khabarovsk, Primorie. Species mentioned for the first time from Romania.

Anasimyia lineata (Fabr., 1787): 1 ♀, Mara - 2 km upstream, 17.VII.1998, C.P. Palaearctic species, relatively frequent, preferring wet biotopes.

Eristalis (Eoeristalis) abusivus Collin, 1931: 1 ♀, Mara - 1 km upstream, 22.VII.1998, C.P., 1 ♀, Ieud, 8.IX.1995, C.P. Frequent Palaearctic species.

Eristalis (Eoeristalis) cryptarum (Fabr., 1794): 1 ♀, Resort Izvoarele - 7 km downstream, 23.VII.1998, C.P., 1 ♀, Berbești, 24.VII.1998, C.P. Rare Palaearctic species, known in Romania from Northern Moldavia (Obcinele Bucovinei); it prefers wet and marshy biotopes.

DATE RECENTE DESPRE CÂTEVA SIRFIDE (DIPTERA: SYRPHIDAE) DIN MARAMUREȘ, ROMÂNIA

REZUMAT

Pe baza materialului colectat, între anii 1995-1998, de cercetătorii Muzeului Național de Istorie Naturală "Grigore Antipa" (București), din depresiunea Maramureș din principalele bazine hidrografice ca și din munții ce o delimitează, se semnalează pentru prima dată din zonă 30 de specii care se adaugă la cele doar 15 specii cunoscute deja.

Lista de specii (aparținând la 13 genuri) conține 4 specii necunoscute în fauna României: *Lejogaster nigricans* (Stack.), *Myolepta ruficornis* (Zett.), *Orthonevra intermedia* (Lund.) și *Liochrysogaster przewalskii* Stack., ultima fiind o noutate pentru fauna Europei (gen și specie descrise în 1924 din Asia și neregăsite nicăieri de atunci).

De asemenea, în lucrare sunt prezentate 14 specii rare, unele montane sau alpine.

Totalul speciilor cunoscute din Maramureș este acum de 45, iar din România de 467.

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