

Additions to the list of Bulgarian *Limoniidae* and *Pediciidae* (Diptera)

Jaroslav STARÝ and Wiesław KRZEMIŃSKI

Received: 25 Aug. 1992

Accepted for publication: 28 Dec. 1992

STARÝ J., KRZEMIŃSKI W. 1993. Additions to the list of Bulgarian *Limoniidae* and *Pediciidae* (Diptera). Acta zool. cracov., 35(3): 569-572.

Abstract. 22 species of *Limoniidae* and *Pediciidae* are recorded as new to Bulgaria. Occurrence of two further species is confirmed.

Key words: *Diptera*, *Limoniidae*, *Pediciidae*, Bulgaria.

Jaroslav STARÝ, Department of Zoology, Natural Sciences Faculty of the Palacky University, tř. Svobody 26, 771-46 Olomouc, Czechoslovakia.

Wiesław KRZEMIŃSKI, Institute of Systematics & Evolution of Animals, Polish Academy of Sciences, Sławkowska 17, 31-016 Kraków, Poland.

The families *Limoniidae* and *Pediciidae* (the latter were raised to a full family rank by STARÝ, 1992) were dealt with in detail in a recent treatment (KRZEMIŃSKI and STARÝ, 1989). In that paper, after critical evaluation of previous literature data supplemented with extensive new material, 194 species were reported from the country, which, we believe, comprised a complete list at that time. Subsequent collecting trips yielded further material and examination of this revealed a number of further species. Some appear to be new to science and will be described in the near future. Some warrant further study and comparison. 22 clear faunal novelties are published herewith (marked with an asterisk*). Of these, *Tricyphona zwicki* could possibly be regarded as new to Europe, although, except for Asia Minor (MENDL, 1973) and Transcaucasia (SAVCHENKO, 1989), it was also recorded from the northern slopes of the Caucasus (SAVCHENKO, 1989). The number of the Bulgarian *Limoniidae* and *Pediciidae* has thus increased to 216 species. In addition, material of two species is listed below, which previously were known to us from the country on the basis of literature data only (SZILÁDY, 1934; LACKSCHEWITZ, 1940), viz. *Dicranota* (*Paradicranota*) *landrocki* and *Phyllolabis pubipennis*.

Family: *Pediciidae*

**Tricyphona zwicki* MENDL, 1973

Material examined: Pirin Mts., Popina Laka (1200 m), 11.V.1989, 11 ♂♂, 4 ♀♀, 12.V.1989, 1 ♂ (STARÝ leg.).

***Dicranota (Paradicranota) landrocki* CZIŽEK, 1931**

Reference: SZILÁDY, 1934

Material examined: Stara Kresna nr. Simitli, 8.V.1989, 2 ♂♂, 1 ♀ (STARÝ leg.).

****Dicranota (Paradicranota) schistacea* LACKSCHEWITZ, 1940**

Material examined: Lilianovo nr. Sandanski, 9.V.1989, 2 ♂♂, 12.V.1989, 1 ♀ (STARÝ leg.).

Family: *Limoniidae*****Paradelphomyia ecalcarata* (EDWARDS, 1938)**

Material examined: Belogradchik env., 15.VII.1987, 1 ♂ (STARÝ leg.).

****Eloeophila apicata* (LOEW, 1871)**

Material examined: Bansko env., 23.VII.1987, 2 ♂♂ (STARÝ leg.).

****Prionolabis cognata* (LACKSCHEWITZ, 1940)**

Material examined: Pirin Mts., Popina Laka (1200 m), 11.V.1989, 2 ♂♂, 12.V.1989, 10 ♂♂; Pirin Mts., Turichka Cherkva (1500 m), 16.VI.1990, 1 ♂; Pirin Mts., Begovitsa (1700 m), 16.VI.1990, 1 ♂ (all STARÝ leg.).

****Eriocera (Coreozelia) cimicoides* (Scopoli, 1763)**

Material examined: Kaloferska Planina, track to "Khizha Rai", 23.VI.1984, 1 ♂, 1 ♀; Kalofer, 21.VI.1982, 2 ♂♂ (all KRZEMIŃSKI leg.).

***Phyllolabis pubipennis* LACKSCHEWITZ, 1940**

Reference: LACKSCHEWITZ, 1940

Material examined: Pirin Mts., Banderitsa (1850 m), 17.VII.1987, 2 ♂♂, 2 ♀♀, 18.VII.1987, 4 ♂♂, 7 ♀♀; Pirin Mts., Popina Laka (1200 m), 18.VI.1990, 1 ♀ (all STARÝ leg.).

****Cheilotrichia (Cheilotrichia) meridiana* MENDL, 1974**

Material examined: Stara Kresna nr. Simitli, 8.V.1989, 2 ♂♂ (STARÝ leg.).

****Molophilus (Molophilus) griseus* (MEIGEN, 1804)**

Material examined: Pancharevo nr. Sofia, 28.IX.1985, 1 ♂ (KRZEMIŃSKI leg.); Bansko env., 23.VII.1987, 1 ♂ (STARÝ leg.); Ostr Kamak nr. Kharmanli, 1.V.1980, 1 ♂, 6.V.1980, 1 ♂ (KRZEMIŃSKI leg.).

****Molophilus (Molophilus) stroblianus* P. NIELSEN, 1953**

Material examined: Bansko env. (1000 m), 20.VII.1987, 6 ♂♂ (STARÝ leg.).

****Molophilus (Molophilus) tjederi* STARÝ, 1968**

Material examined: Yavorov nr. Kresna, 14.VI.1990, 1 ♂ (STARÝ leg.).

****Tasiocera (Dasymolophilus) fuscescens* (LACKSCHEWITZ, 1940)**

Material examined: Pirin Mts., Popina Laka (1200 m), 13.VI.1990, 1 ♂, 18.VI.1990, 3 ♂♂, 19.VI.1990, 2 ♂♂ (STARÝ leg.).

****Gnophomyia viridipennis* (GIMMERTHAL, 1847)**

Material examined: Sandanski, river valley, 12.VI.1984, 1 ♀ (KRZEMIŃSKI leg.).

****Gonomyia (Prolipophleps) abbreviata* LOEW, 1873**

Material examined: Sandanski, 14.VI.1984, 1 ♂ (KRZEMIŃSKI leg.).

****Gonomyia (Idiocerodes) concinna* LACKSCHEWITZ, 1940**

Material examined: Sandanski, Struma shores, 3.V.1989, 1 ♂; Sandanski, Lebnit-sa valley, 4.V.1989, 1 ♂, 6.V.1989, 5 ♂♂, 7.V.1989, 1 ♀, 12.VI.1990, 1 ♂ (all STARÝ leg.).

****Ellipteroides (Protogonomyia) alboscuteolata* (von ROSER, 1840)**

Material examined: Belogradchik env., 15.VII.1987, 1 ♂, 1 ♀; Lilianovo nr. Sandanski, 20.VI.1990, 1 ♂ (all STARÝ leg.).

****Lipsothrix nobilis* LOEW, 1873**

Material examined: Lilianovo nr. Sandanski, 9.V.1989, 2 ♂♂, 1 ♀ (STARÝ leg.).

****Dicranomyia (Dicranomyia) autumnalis* (STAEGER, 1840)**

Material examined: Vitosha Mt., 22.IX.1985, 1 ♂ (KRZEMIŃSKI leg.).

****Dicranomyia (Dicranomyia) ornata* (MEIGEN, 1818)**

Material examined: Bansko env., 23.VII.1987, 1 ♂; Sandanski env., 5.V.1989, 1 ♂ (STARÝ leg.).

****Dicranomyia (Glochina) transsilvanica* LACKSCHEWITZ, 1928**

Material examined: Rebrovo nr. Sofia, 15.VII.1987, 1 ♂ (STARÝ leg.).

****Dicranomyia (Idiopyga) nigristigma* P. NIELSEN, 1919**

Material examined: Vitosha Mt., 22.IX.1985, 1 ♂ (KRZEMIŃSKI leg.).

****Dicranomyia (Melanolimonia) morio* (FABRICIUS, 1787)**

Material examined: Pancharevo nr. Sofia, 28.IX.1985, 1 ♀; Sandanski, 14.VI.1984, 2 ♀♀, (all KRZEMIŃSKI leg.); Melnik, 10.VI.1989, 1 ♂ (STARÝ leg.).

****Achyrolimonia decemmaculata* (LOEW, 1873)**

Material examined: Pirin Mts., Popina Laka (1200 m), 18.VI.1990, 1 ♂ (STARÝ leg.).

REFERENCES

- KRZEMIŃSKI W., J. STARÝ. 1989. *Limoniidae* of Bulgaria. II (*Diptera*, *Nematocera*). Polskie Pismo Entomol., **59**: 253-279.
- LACKSCHEWITZ P. 1940. Die paläarktischen Limnophilinen, Anisomerinen und Pediciinen des Wiener Naturhistorischen Museums. Annln. naturh. Mus. Wien, **50**: 68-122.
- MENDL H. 1973. Eine neue Limoniine aus der Türkei (*Diptera*, *Tipulidae*). Mitt. schweiz. ent. Ges., **46**: 291-293.
- SAVCHENKO E. N. 1989. Fauna of the *Limoniidae* of the USSR. Naukova Dumka, Kiev, 377 pp. (in Russian).
- STARÝ J. 1992. Phylogeny and classification of *Tipulomorpha*, with special emphasis on the family *Limoniidae*. Acta zool. cracov., **35**(1): 11-36.
- SZILÁDY Z. 1934. Beiträge zur Dipterenfauna Bulgariens. Mitt. Bulg. ent. Ges., Sofia, **8**: 143-151.