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## THE TIPULIDAE (DIPTERA) OF SLOVENIA, CROATIA, BOSNIA AND HERZEGOVINA, SERBIA, MONTE NEGRO, AND MACEDONIA

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**Abstract** – 155 species of the family Tipulidae (Diptera), known from the countries that in the recent past formed Yugoslavia, are listed. Five species are new for the region: *Nephrotoma appendiculata pertenua* Oosterbroek, *Tipula* (*Pt.*) *cinereicosta* Lundstrom, *T. (S.) boreosignata* Tjeder, *T. (S.) cheethami* Edwards and *T. (T.) italica italica* Lackschewitz. The numbers of taxa by country are: Slovenia 82, Croatia 86, Bosnia and Herzegovina 75, Serbia 92, Monte Negro 75, and Macedonia 97. 11 species which, by present knowledge, do not occur in the area, are omitted from the list.

**KEY WORDS:** Diptera, Tipulidae, fauna, Slovenia, Croatia, Bosnia and Herzegovina, Serbia, Monte Negro, Macedonia

**Izvleček** – KOŠENINARJI (DIPTERA: TIPULIDAE) SLOVENIJE, HRVAŠKE, BOSNE IN HERCEGOVINE, SRBIJE, ČRNE GORE IN MAKEDONIJE

Našteti so 155 vrst družine Tipulidae (Diptera), znanih iz držav, ki so v bližnji preteklosti sestavljale Jugoslavijo. Pet vrst je novih za to območje: *Nephrotoma appendiculata pertenua* Oosterbroek, *Tipula* (*Pt.*) *cinereicosta* Lundstrom, *T. (S.) boreosignata* Tjeder, *T. (S.) cheethami* Edwards in *T. (T.) italica italica* Lackschewitz. Število taksonov po državah je: Slovenija 82, Hrvaška 86, Bosna in Hercegovina 75, Srbija 92, Črna gora 75 in Makedonija 97. 11 vrst, ki po sedanjem poznavanju ne živijo na območju, je izločenih s seznama.

**KLJUČNE BESEDE:** Diptera, Tipulidae, favna, Slovenija, Hrvaška, Bosna in Hercegovina, Srbija, Črna gora, Makedonija

## Introduction

In this paper we list the species of the dipteran family Tipulidae known from the countries that in the recent past formed the Yugoslav Republic. One of the reasons for presenting this information is the ongoing Fauna Europaea Project which aims to provide a species inventory of all European countries.

The survey of the species from the region started in the second half of the 19th century and at the beginning of the 20th century by the well-known dipterists Egger (1863), Loew (1873), Bergroth (1888), and Strobl (1893-1902), who had described and/or documented about one-third of the presently known 155 species and sub-species. The large majority of these have become known in the second half of the 20th century, especially through the extensive faunistic work of the first author. Since 1959, the results of her studies have been put down in a series of papers, frequently in collaboration with other students. The number of taxa in the countries are

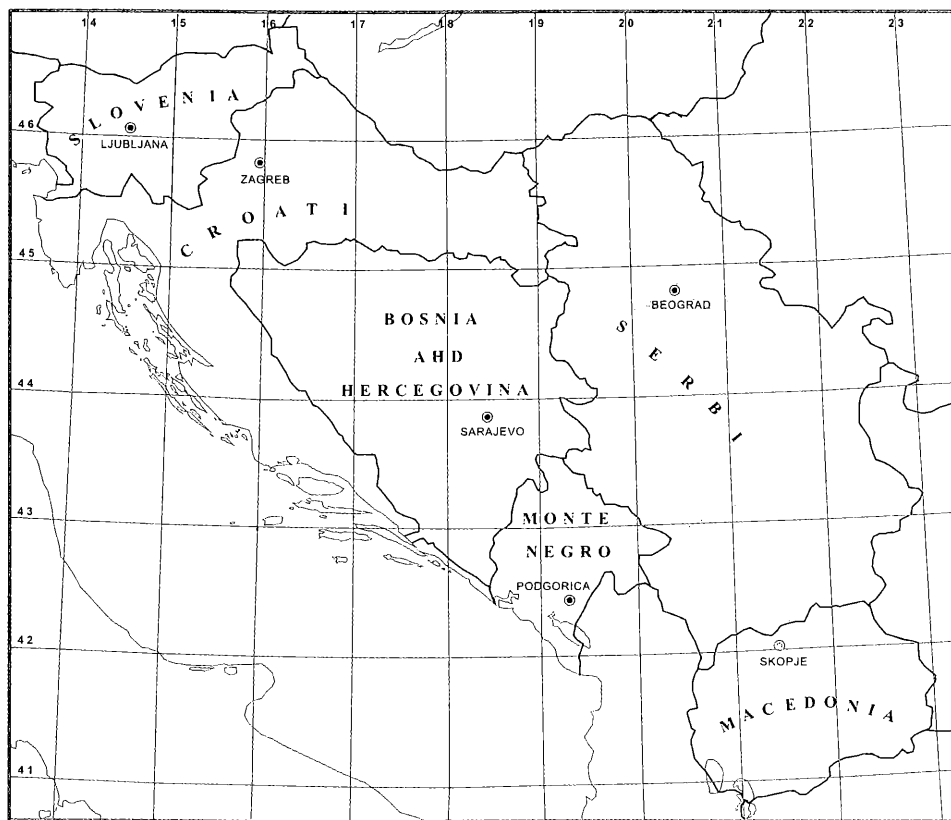


Fig. 1: Investigated region.

as follows: Slovenia 82, Croatia 86, Bosnia and Hercegovina 75, Serbia 92, Monte Negro 75, and Macedonia 97.

In the list below the systematic arrangement and nomenclature largely follows the Catalogue of Palaearctic Diptera (Oosterbroek & Theowald, 1992). For every species or subspecies the countries and the references for these countries are given, followed by remarks (for example, if in certain publications the taxon has been listed under a name different from the one we are using). The abbreviations for the countries are: **SL**: Slovenia; **CR**: Croatia; **BH**: Bosnia and Hercegovina; **SR**: Serbia; **MN**: Monte Negro; **MA**: Macedonia. **T** and **t** marks type locality and type locality of synonym. The abbreviations for the references can be found in the list of references behind the author(s) and year (they consist of one or more letters for the author(s) and the last two numbers of the year, for example B88 is Bergroth 1888).

The following collections are indicated if material is present:

**BMNH**: British Museum of Natural History, London (species of *Nephrotoma*)

**FAB**: Faculty of Agriculture, Belgrade (only the new localities are listed because all other material has been dealt with already in the various publications of the first author)

**MNHN**: Museum National d'Histoire Naturelle, Paris (species of *Nephrotoma*)

**OOLL**: Oberösterreichisches Landesmuseum, Linz (species of *Lunatipula*)

**ZFMK**: Zoologisches Forschungsinstitut und Museum Alexander Koenig (collection Mannheims)

**ZMAN**: Zoologisch Museum Amsterdam

These museum records include five species new for the region. For these species, as well as in case of new country records, we have added the locality.

The list is completed with the names of species that in the past have been recorded from the region but according to our present knowledge do not occur there.

### List of species

*Ctenophora (Cnemoncosis) fastuosa* Loew, 1871

**CR**: SP79, SV81, TO86, OT92

*Ctenophora (Cnemoncosis) festiva* Meigen, 1804

**SL**: SS78, SV81, SS84, TO86; **CR**: La17, SP79, SV81, TO86; **SR**: SR00, C60;

**ZMAN** (Borsko Jezero); **MA**: S74, S77, SV81, TO86

*Ctenophora (Cnemoncosis) ornata* Meigen, 1818

**SL**: SS78, SV81, TO86; **CR**: La17, SP79, SV81, TO86; **ZMAN**; **SR**: S62, S74,

S77, S79, SV81, TO86; **MA**: S74, S77, ST77, SV81, TO86

*Ctenophora (Ctenophora) elegans* Meigen, 1818

**CR**: La17, SP79, SV81, TO86, OT92; **BH**: SR00

*Ctenophora (Ctenophora) flaveolata* (Fabricius, 1794)

**CR**: SR98, SR00, SP79, SV81, TO86; **BH**: SR98, SR00, S74, S77, SV81, TO86;

**SR**: **ZMAN** (Krupac, NW Bela Palanka); **FAB** (Kosmaj); **MA**: S74, S77, SV81, TO86

*Ctenophora (Ctenophora) guttata* Meigen, 1818

**CR:** M51, S74, SP79, SV81, TO86; **BH:** SR98, SR00, S74, S77, SV81, TO86;  
**SR:** S62, S74, S77, S79, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Ctenophora (Ctenophora) pectinicornis* (Linnaeus, 1758)

**CR:** La17, SP79, SV81, TO86, SV87; **MN:** SV87

*Dictenidia bimaculata* (Linnaeus, 1761)

**CR:** La17, SP79, SV81, TO86, SV87; ZFMK; **BH:** SR98, SR00, S74, S77, SV81,  
 TO86, SV87; **SR:** C58, S74, S77, S79, SV81, TO86, SV87; **MN:** C60, SV87;  
**MA:** S74, S77, SV81, TO86, SV87

*Dolichozeza (Dolichozeza) albipes* (Ström, 1768)

**SL:** B88

Remark: Verification of this older record is required but it seems unlikely that it pertains to *graeca* Mannheims, the only other *Dolichozeza* known from the region.

*Dolichozeza (Dolichozeza) graeca* Mannheims, 1954

**SR:** S78, SV81, TO86, OT92; ZMAN

*Nephrotoma aculeata* (Loew, 1871)

**SL:** SVS90; **BH:** SVS90; **SR:** S74, S79, SV81, TO86, SVS90; ZMAN; **MN:**  
 SV81, TO86, SV87; **MA:** S59, S74, S77, SV81, TO86, SVS90

*Nephrotoma analis* (Schummel, 1833)

**SL:** SVS90; ZFMK; **CR:** ZFMK (Plitvice); **MA:** S74, S77, SV81, TO86, SVS90;  
 ZMAN

*Nephrotoma appendiculata appendiculata* (Pierre, 1919)

**SL:** B88, S62, S74, S77, SS78, SV81, SS84, TO86; **CR:** La17, C60, S62, S74,  
 S77, SP79, SV81, TO86; BMNH; ZFMK; ZMAN; **BH:** SR98, SR00, SR02, S59,  
 S74, S77, SV81, TO86; ZMAN; **SR:** SR02, S59, S74, S77, S79, SP79, SV81,  
 TO86; ZFMK; ZMAN; **MN:** SR02, S59, C60, S62, S74, S77, SV81, TO86,  
 SV87; BMNH; ZMAN; **MA:** S59, S74, S77, ST77, SV81, TO86; ZFMK; ZMAN

Remark: Mannheims 1951: Type-locality (Starova, Macedonia) is in northern Greece; all except TO86 as *maculata* Meigen or, SV81, as *maculosa* Meigen

*Nephrotoma appendiculata pertenua* Oosterbroek, 1978

**CR:** BMNH (Rab Island); ZMAN (idem)

Remark: New for the region

*Nephrotoma cornicina cornicina* (Linnaeus, 1758)

**SL:** SVS90; ZFMK; **CR:** SP79, SV81, SVS90; BMNH; ZMAN; **BH:** S74, S77,  
 SV81, TO86, SVS90; **SR:** S74, S77, S79, SV81, TO86, SVS90; ZFMK; ZMAN;  
**MN:** SV81, SV87, SVS90; **MA:** S59, C60, S74, S77, ST77, SV81, SVS90;  
 BMNH; ZMAN

*Nephrotoma crocata crocata* (Linnaeus, 1758)

**SL:** B88, SS78, SV81, TO86; **ZMAN;** **CR:** La17, SP79, SV81, TO86; **BH:** S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** S59, S60, S74, S77, ST77, SV81, TO86

Remark: S60 as *hartigi* Mannheims

*Nephrotoma croceiventris lindneri* (Mannheims, 1951)

**SL:** SS78, SV81, TO86; **CR:** S62, S74, S77, SP79, SV81, TO86; **BH:** S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **ZMAN;** **MN:** ZFMK (Lovčen); ZMAN (Kolašin); **MA:** S59, S74, S77, SV81, TO86; **MNHN;** ZMAN

*Nephrotoma dorsalis* (Fabricius, 1782)

**SL:** SV81, TO86; **CR:** SV81, TO86; **SR:** SV81, TO86

*Nephrotoma euchroma* (Mik, 1874)

**SL:** SV81, TO86, OT92; **CR:** La17, SP79

*Nephrotoma flavescens* (Linnaeus, 1758)

**SL:** SS78, SV81, SS84, TO86; **CR:** La17, C58, SP79, SV81, TO86; **BMNH;** ZFMK; **ZMAN;** **BH:** SR98, SR00, S59, S74, S77, SV81, TO86; ZFMK; **ZMAN;** **SR:** S62, S74, S77, S79, SV81, TO86; **ZMAN;** **MN:** SV81, TO86, SV87; **ZMAN;** **MA:** S59, S60, S74, S77, ST77, SV81, TO86; **ZMAN**

Remark: SR98, SR00, and S59 as *lineata* Scopoli

*Nephrotoma flavipalpis* (Meigen, 1830)

**CR:** S74, SV81, TO86; **ZMAN;** **BH:** ZMAN (motel Hajdučka voda, between Dobož and Banja Luka); **MN:** ZMAN (Šavnik, reka Komarnica)

*Nephrotoma guestfalica guestfalica* (Westhoff, 1879)

**BH:** O78; **ZMAN;** **MA:** S59, S74, S77, SV81, TO86; **MNHN**

*Nephrotoma lamellata lamellata* (Riedel, 1910)

**SR:** FAB (Zlatar mountain)

Remark: recorded from YU [= former Yugoslavia] in OT92

*Nephrotoma lunulicornis* (Schummel, 1833)

**SL:** B88, SVS90; **CR:** La17, ZFMK (Plitvice); **BH:** ZMAN (Vitez); **SR:** S74, S77, S79, SV81, TO86, SVS90; **MN:** C60; **MA:** S59, S74, S77, SV81, TO86, SVS90

*Nephrotoma pratensis pratensis* (Linnaeus, 1758)

**SL:** B88, SVS90; **CR:** La17, SP79, SV81, TO86; **BH:** SR98, SR00, S59, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** S59, S74, S77, SV81, TO86

*Nephrotoma quadrifaria quadrifaria* (Meigen, 1804)

**SL:** SV81, SS84, TO86; **ZMAN;** **CR:** La17, S74, S77, SP79, SV81, TO86; **BH:** S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** P19, S59, S74, S77, SV81, TO86; **ZMAN**

*Nephrotoma quadristriata* (Schummel, 1833)

**CR:** SP79, SV81, TO86; **MA:** SV81

*Nephrotoma scalaris scalaris* (Meigen, 1818)

**SL:** B88, SS78, SV81, SS84, TO86; **ZMAN;** **CR:** S74, S77, SV81, TO86; **BMNH;** **ZFMK;** **ZMAN;** **BH:** S74, S77, SV81, TO86; **BMNH;** **SR:** S74, S77, S79, SV81, TO86; **ZMAN;** **MN:** BMNH (Virpazar); **ZMAN** (Budva); **MA:** C58, S59, S74, S77, ST77, SV81, TO86; **BMNH;** **ZFMK;** **ZMAN**

Remark: B88 as *imperialis* Meigen

*Nephrotoma scurra* (Meigen, 1818)

**CR:** La17, SV81, TO86; **MA:** S60, S74, S77, SV81, TO86

*Nephrotoma tenuipes* (Riedel, 1910)

**SL:** SVS90; **SR:** S74, S79, SV81, TO86, SV87, SVS90; **MN:** SV81, TO86, SV87, SVS90; **MA:** S59, S74, S77, SV81, TO86, SV87, SVS90

*Nigrotipula nigra nigra* (Linnaeus, 1758)

**SL:** B88, SVS90; **ZMAN;** **CR:** SV81, TO86, SVS90; **SR:** S74, S77, S79, SV81, TO86, SVS90; **MA:** S60, S74, S77, SV81, TO86, SVS90; **ZMAN**

Remark: S60 as *nigra* var. *rufopicea* Westhoff

*Tanyptera (Tanyptera) atrata atrata* (Linnaeus, 1758)

**SL:** SS78, SV81, TO86; **CR:** La17, S74, S77, SP79, SV81, TO86; **ZMAN;** **BH:** SR98, SR00, S74, S77, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86; **MA:** S74, S77, ST77, SV81, TO86

*Tanyptera (Tanyptera) nigricornis nigricornis* (Meigen, 1818)

**CR:** S74, S77, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Tipula (Acutipula) balcanica* Vermoolen, 1983

**SL:** B88, SS78, SV81, SS84, TO86; **CR:** La17, SR02, SP79, SV81, V83, TO86; **ZFMK;** **ZMAN;** **BH:** SR98, SR00, S59, S74, S77, SV81, V83, TO86; **ZFMK;** **SR:** S74, S77, S79, SV81, V83, TO86; **ZMAN;** **MN:** C60, S74, SV81, V83, TO86, SV87; **ZMAN;** **MA:** P19, S59, S74, S77, ST77, SV81, TO86

Remark: all as *maxima* Poda or, La17, V83, TO86, and SV87, as subspecies of *maxima* Poda; various references from the more southern countries might as well pertain to *latifurca* Vermoolen

*Tipula (Acutipula) bosnica* Strobl, 1898

**SL:** SVS90; **BH:** T. S74; **SR:** S74, S77, S79, SV81, TO86, SVS90; **MA:** S59, S74, S77, SV81, TO86, SVS90

Remark: the type locality Ivan refers to Ivan planina in Bosnia; all as *decipiens* Čížek; S74 also as *pruinosa* var. *bosnica* Strobl.

*Tipula (Acutipula) fulvipennis* Geer, 1776

**SL:** SVS90; **ZMAN;** **CR:** La17, SP79, SV81, TO86, SVS90; **BH:** M52, S74, S77, SV81, TO86, SVS90; **SR:** S62, S74, S77, S79, SV81, TO86, SVS90; **MN:** S62, S77, SV87, SVS90; **MA:** S74, S77, ST77, SV81, TO86, SVS90

*Tipula (Acutipula) ismene* Mannheims, 1969

**MA:** SVS90

*Tipula (Acutipula) latifurca* Vermoolen, 1983

**BH:** V83; **ZMAN;** **MA:** V83, TO86; **BMNH;** **ZMAN**

*Tipula (Acutipula) luna* Westhoff, 1879

**SL:** SS78, SV81, SS84, TO86; **CR:** SP79, SV81, TO86; **ZMAN;** **BH:** S74, S77, SV81, TO86; **SR:** S74, S79, SV81, TO86; **MN:** SV81, TO86; **MA:** S59, S74, S77, SV81, TO86; **ZMAN**

*Tipula (Acutipula) schmidti* Mannheims, 1952

**MA:** S73, S74, S77, SV81, TO86, OT92; **ZMAN**

*Tipula (Acutipula) tenuicornis* Schummel, 1833

**CR:** SP79, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** S60, S73, S74, S77, SV81, TO86

*Tipula (Acutipula) vittata* Meigen, 1804

**SL:** SS84; **CR:** FAB (Novska); **BH:** SR98, SR00, S74, S77, SV81, TO86, SVS90; **SR:** S73, S74, S77, S79, SV81, TO86, SVS90; **FAB (Kosmaj); MN:** SVS90; **MA:** S74, S77, SV81, TO86, SVS90; **ZMAN**

*Tipula (Beringotipula) unca unca* Wiedemann, 1817

**BH:** FAB (Vituša; Tjentište); **SR:** S79, SV81, TO86; **MN:** SV87; **ZMAN**

*Tipula (Dendrotipula) flavolineata* Meigen, 1804

**SL:** SS78, SV81, SS84, TO86, OT92; **ZMAN;** **SR:** FAB (Goč)

*Tipula (Emodotipula) obscuriventris* Strobl, 1900

**SL:** ZFMK (Kamniška bistrica); **SR:** SVS90; **ZMAN;** **MN:** S62, S77, T80, TO86, SV87, SVS90; **ZMAN;** **MA:** S59, S74, S77, T80, SV81, TO86, SV87, SVS90

Remark: all as *saginata* Bergroth

*Tipula (Lunatipula) alpina* Loew, 1873

**CR:** OT92; **ZMAN**

*Tipula (Lunatipula) anicilla* Mannheims, 1967

**CR:** SV83, TO86; **BH:** T. S74, SV81, SV83, TO86

Remark: SR in TO86 refers to CR

*Tipula (Lunatipula) animula* Mannheims, 1967

**BH:** T. S74, SV81, SV83, TO86, SV87; **MN:** SV83, TO86, SV87; **ZMAN;** **MA:** S62, S74, S77, SV81, SV83, TO86, SV87

*Tipula (Lunatipula) bifasciculata* Loew, 1873

**CR:** T. SR02, M67, S74, SP79, SV81, SV83, TO86; **ZFMK;** **BH:** t. (*obscura* Strobl, 1898) S74, SV81, SV83, TO86; **MN:** SV87

*Tipula (Lunatipula) bispina* Loew, 1873

**CR:** S74, S77, SV81, SV83, TO86, SV87; **SR:** S74, S77, S79, SV81, SV83, TO86, SV87; **ZFMK;** **MN:** SV87; **MA:** S60, S74, S77, ST77, SV81, SV83, TO86, SV87; **ZMAN**

*Tipula (Lunatipula) borysthenica* Savchenko, 1954

**MA:** S59, S74, S77, SV81, TO86, OT92; **ZFMK**

*Tipula (Lunatipula) capreola* Mannheims, 1966

**SR:** S79, SV81, SV83, TO86; **MA:** S62, S73, S74, S77, SV81, SV83, TO86

*Tipula (Lunatipula) caudatula* Loew, 1862

**MA:** M66, S74, S77, SV81, SV83, TO86, OT92; **ZMAN**

*Tipula (Lunatipula) caudispina caudispina* Pierre, 1921

**MA:** S74, S77, SV81, SV83, TO86, OT92

*Tipula (Lunatipula) cervina* Mannheims and Theowald, 1959

**CR:** OT92; **OOLL**

*Tipula (Lunatipula) cinerascens* Loew, 1873

**CR:** SR93, SR98, SR00, M66, S74, S77, SV81, TO86; **ZFMK;** **BH:** SR98, SR00, S74, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Tipula (Lunatipula) cinerella* Pierre, 1919

**SL:** SV81, SV83, SS84, TO86; **BH:** S74, SV81, SV83, TO86; **SR:** S79, SV81, SV83, TO86; **MA:** T. S60, S74, S77, ST77, SV81, SV83, TO86

Remark: the type-locality Monastir (ravin de la cote) refers to Bitola in Macedonia

*Tipula (Lunatipula) clio* Mannheims, 1954

**MN:** OT92; **MA:** S60, S74, S77, SV81, SV83, TO86, OT92

*Tipula (Lunatipula) danieli* Simova, 1972

**SL:** FAB (Postojna; Bled); **SR:** SV81, SV83, TO86, SV87; **MN:** T. S74, S77, SV81, SV83, TO86, SV87; **ZMAN;** **MA:** S74, S77, SV81, SV83, SV87

*Tipula (Lunatipula) engeli* Theowald, 1957

**BH:** S74, S77, SV81, TO86; **ZMAN;** **SR:** S62, S74, S77, S79, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Tipula (Lunatipula) eugeniana* Simova, 1972

**SL:** S74, S77, SS78, SV81, SS84, TO86, SV87; **SR:** SV81, SV83, TO86, SV87; **ZMAN;** **MN:** SV83, TO86, SV87; **MA:** T. S74, S77, SV81, SV83, TO86, SV87



*Tipula (Lunatipula) fascicula* Mannheims, 1966

**CR:** T. TO86; **MN:** OT92; **ZMAN**

*Tipula (Lunatipula) fascingulata* Mannheims, 1966

**SL:** SVS90; **CR:** ZMAN (Plitvice); **BH:** M66, S74, SV81, TO86; **ZFMK:** ZMAN; **SR:** S74, S79, SV81, TO86; **MN:** S62, TO86, SV87; **ZMAN;** **MA:** S74, S77, ST77, SV81, TO86

Remark: S62 as *fasciculata* Riedel

*Tipula (Lunatipula) fascipennis* Meigen, 1818

**SL:** B88, SR93, SS78, SV81, SS84, TO86; **ZMAN;** **CR:** S74, S77, SV81, TO86; **BH:** S74, S77, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86; **MN:** SV87; **MA:** S60, S74, S77, SV81, TO86; **ZMAN**

*Tipula (Lunatipula) furcula* Mannheims, 1954

**SR:** S79, SV81, SV83, TO86; **MN:** SV81, SV83, TO86; **MA:** T. S60, S74, S77, SV81, SV83, TO86

Remark: the type locality Reg. d'Iven et ravins de la côte, S.-E. de Monastir, refers to SE Bitola in Macedonia.

*Tipula (Lunatipula) fuscicosta* Mannheims, 1954

**BH:** M68, S74, SV81, SV83, TO86; **SR:** S79, SV81, SV83, TO86; **ZMAN;** **MN:** FAB (Durmitor: Rasova); **MA:** S74, S77, SV81, SV83, TO86; **ZMAN**

*Tipula (Lunatipula) helvola* Loew, 1873

**SL:** SV81, SS84, TO86; **ZMAN;** **CR:** T. SR98, SR00, SR02, C58, S59, S74, S77, SV81, TO86; **OOLL;** **ZFMK;** **BH:** SR98, SR00, S59, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **ZFMK;** **MN:** TO86, SV87; **ZMAN;** **MA:** C58, S59, S74, S77, ST77, SV81, TO86

*Tipula (Lunatipula) hera* Theischinger, 1979

**MA:** OT92; **ZMAN**

*Tipula (Lunatipula) heros* Egger, 1863

**SL:** FAB (Rogaška Slatina); **CR:** T. La17, C60, S74, S77, SP79, SV81, SV83, TO86, OV89; **ZFMK;** **ZMAN;** **BH:** SR98, SR00, S74, S77, SV81, SV83, TO86, OV89; **SR:** S74, S77, S79, SV81, SV83, TO86; **ZFMK;** **MN:** SV83, TO86, OV89; **ZMAN;** **MA:** t. (*macrocauda* Pierre, 1926) S60, S74, S77, SV81, SV83, TO86, OV89

Remark: S60 as *macrocauda* Pierre

*Tipula (Lunatipula) laetabilis* Zetterstedt, 1838

**SL:** ZMAN (Podolševa, Solčava); **CR:** FAB (Kraljičin Zdenac; Podsused); **BH:** FAB (Banja Luka; Ilijaš; Trebevič); **SR:** S79, SV81, TO86, OT92; **MA:** ZMAN (Babuna pass)

Remark: the record from MA in S59 is based on a misidentification; S59, S79, SV81 as *dilatata* Schummel

*Tipula (Lunatipula) lanispina* Mannheims, 1966

**MA:** S74, S77, SV81, SV83, TO86, OT92

*Tipula (Lunatipula) limitata* Schummel, 1833

**SR:** SVS90

*Tipula (Lunatipula) livida livida* Wulp, 1858

**SR:** S74, S79, SV81, TO86, SV87; **MN:** TO86, SV87; **ZMAN;** **MA:** S60, S74, S77, ST77, SV81, TO86, SV87

*Tipula (Lunatipula) lunata* Linnaeus, 1758

**SL:** SV81, SS84, TO86; **ZMAN;** **CR:** La17, S74, SV81, TO86; **BH:** SR98, SR00, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** P19, S59, S74, S77, SV81, TO86; **ZMAN**

Remark: SR98 as *ochracea* Meigen

*Tipula (Lunatipula) macropeliostigma* Mannheims, 1954

**SR:** S79, SV81, SV83, TO86; **ZFMK;** **MA:** S60, M65, S74, S77, SV81, SV83, TO86

*Tipula (Lunatipula) macroselene macroselene* Strobl, 1893

**CR:** T; t (*lindneri* Riedel, 1925). **SR98, SR00, SR02, S60, M65, S74, S77, SP79, SV81, SV83, TO86; ZFMK; BH:** S60, S74, S77, SV81, SV83, TO86; **SR:** S74, S77, S79, SV81, SV83, TO86; **MN:** TO86; **ZMAN;** **MA:** C58, C60, S60, S74, S77, SV81, SV83, TO86; **ZMAN**

*Tipula (Lunatipula) mellea* Schummel, 1833

**CR:** La17, SR02, S74, SP79, SV81, TO86; **SR:** FAB (Obedska Bara)

Remark: references in S74, SV81, and TO86 BH refer to CR

*Tipula (Lunatipula) nausicaa* Mannheims, 1966

**MA:** S74, S77, SV81, SV83, TO86, OT92

*Tipula (Lunatipula) onusta* Riedel, 1913

**CR:** M67, S74, SV81, SV83, TO86, OT92; **ZMAN**

*Tipula (Lunatipula) pachyprocta* Loew, 1873

**SL:** T. S74, SS78, SV81, SV83, TO86, OT92; **CR:** SV81, SV83, TO86, OT92; **MN:** SP79, OV89, OT92; **ZMAN**

Remark: the record from MA in S59 is based on a misidentification

*Tipula (Lunatipula) pannonia jordansi* Mannheims, 1954

**SR:** FAB (Petrovac, Tamnava, Zmajevac); **MN:** SV83, TO86; **MA:** S77, SV81, SV83, TO86

*Tipula (Lunatipula) pannonia pannonia* Loew, 1873

**SL:** T. SVS90; **CR:** TO86; ZFMK; **BH:** TO86; **SR:** FAB (Vršački breg); **MN:** SV87, SVS90; **MA:** S59, S74, SV81, TO86, SV87, SVS90

Remark: the type locality Krain refers to Kranj in Slovenia.

*Tipula (Lunatipula) peliostigma peliostigma* Schummel, 1833

**CR:** La17, C60, SP79, SV81, TO86; ZMAN; **BH:** M65, S74, SV81, TO86; ZFMK; **SR:** S62, S64, S74, S77, S79, SV81, TO86; ZFMK; **MN:** S74, S77, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Tipula (Lunatipula) penelope penelope* Mannheims, 1954

**SR:** S64, S74, S79, TO86, OT92

*Tipula (Lunatipula) praecox* Loew, 1873

**SL:** TO86; **CR:** SR02, C58, S59, M66, S74, S77, SP79, SV81, TO86; OOLL; ZFMK; **BH:** SR98, SR00, S59, S74, S77, SV81, TO86; ZMAN; **SR:** S79, SV81, TO86; **MN:** TO86; **MA:** S59, S74, S77, SV81, TO86; ZMAN

*Tipula (Lunatipula) rufula* Mannheims and Theowald, 1959

**SL:** S74, S578, SV81, TO86; ZFMK; **CR:** C58, M66, S74, S77, SV81, TO86; ZFMK; **BH:** M66, S74, SV81, TO86; ZFMK; **SR:** S74, S77, S79, SV81, TO86; **MN:** S62, S74, S77, SV81, TO86; **MA:** S74, S77, SV81, TO86

*Tipula (Lunatipula) savtschenkoi* Simova, 1960

**SR:** SVS90; ZMAN; **MN:** SV87, SVS90, OT92; **MA:** T. S74, S77, SV81, SV83, TO86, SV87, SVS90, OT92

*Tipula (Lunatipula) seguyi* Mannheims, 1954

**CR:** SV81, TO86; **SR:** S74, S77, S79, SV81, SV83, TO86; **MA:** T. S59, M66, S74, S77, ST77, SV81, SV83, TO86; ZFMK

Remark: the type locality Rég. d'Iven et ravins de la côte, S.-E. de Monastir, refers to SE Bitola in Macedonia.

*Tipula (Lunatipula) selene* Meigen, 1830

**SL:** FAB (Ljubljana: Tivoli); **CR:** La17, SP79, SV81, TO86, SV87; **BH:** SR02, S74, SV81, TO86, SV87; **SR:** FAB (Beograd: Bogatić; Divčibare); **MN:** SV87

*Tipula (Lunatipula) soosi soosi* Mannheims, 1954

**SL:** SV81, TO86; **CR:** SP79, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86, SV87; ZMAN; **MN:** S74, S77, ST77, SV81, TO86, SV87; ZMAN; **MA:** t (*velox* Savchenko, 1954; *macedonica* Simova, 1960). S74, S77, SV81, TO86, SV87; ZFMK

*Tipula (Lunatipula) subtruncata* Mannheims, 1954

**SR:** S64, S74, S79, SV81, TO86, OT92

*Tipula (Lunatipula) tergestina* Loew, 1873

**MA:** OT92; OOLL, ZMAN

*Tipula (Lunatipula) truncata truncata* Loew, 1873

**SL:** SS78, SV81, TO86; **CR:** T. SR93, SR98, SR00, C58, C60, S60, M66, S74, S77, SP79, SV81, TO86; **OOLL;** ZFMK; **ZMAN;** **BH:** S74, S77, SV81, TO86; **ZMAN;** **SR:** S74, S77, S79, SV81, TO86; **ZFMK;** **ZMAN;** **MN:** TO86; **ZFMK;** **ZMAN;** **MA:** P19, C58, C60, S60, S74, S77, ST77, SV81, TO86; **ZMAN**

*Tipula (Lunatipula) urania* Mannheims, 1954

**BH:** S74, SV81, SV83, TO86; **SR:** S62, TO86; **MA:** S60, S74, S77, SV81, SV83, TO86

*Tipula (Lunatipula) vernalis* Meigen, 1804

**SL:** SV81, SS84, TO86; **CR:** La17, S74, S77, SP79, SV81, TO86; **BH:** SR98, SR00, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MN:** SV87; **MA:** S74, S77, SV81, TO86

*Tipula (Lunatipula) verrucosa verrucosa* Pierre, 1919

**SR:** S74, S77, S79, SV81, TO86; **ZMAN;** **MN:** S74, S77, SV81, TO86; **MA:** T. S60, S74, S77, SV81, TO86; **ZFMK**

Remark: the type locality Région d'Iven, sud-est de Monastir, ravin de la cote, refers to SE Bitola in Macedonia; all as *brunneinervis* Pierre.

*Tipula (Mediotipula) sarajevensis* Strobl, 1898

**BH:** T. S74, SV81, TO86

Remark: the record from MA in S59, as *microstigma* Pierre, is based on a misidentification.

*Tipula (Mediotipula) siebkei* Zetterstedt, 1852

**SL:** TO86; **CR:** L34, S74, SV81, TO86; **ZMAN;** **MN:** SV87; **ZMAN**

*Tipula (Mediotipula) stigmatella* Schummel, 1833

**SL:** t (*bidens* Bergroth, 1888). SV81, TO86, SV87; **CR:** t (*appressocaudata* Strobl, 1902). S74, TO86, SV87; **ZFMK;** **BH:** L34, S74, S77, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86, SV87; **ZFMK;** **ZMAN;** **MN:** S74, TO86, SV87; **ZMAN;** **MA:** S74, S77, SV81, TO86, SV87; **ZMAN**

Remark: S64, S74, S77, S79 also as *bidens* Bergroth

*Tipula (Odonatisca) nodicornis nodicornis* Meigen, 1818

**SL:** SV81, SS84, TO86

Remark: SV81, SS84 as *juncea* Meigen

*Tipula (Platytipula) luteipennis luteipennis* Meigen, 1830

**CR:** La17, SP79, SV81, TO86, OT92

*Tipula (Pterelachisus) austriaca* (Pokorny, 1887)

**SL:** SVS90; **BH:** S74, SV81, TO86, SVS90

*Tipula (Pterelachisus) bilobata* Pokorny, 1887

**SL:** T80; ZFMK; ZMAN; **MN:** SV87, OT92

*Tipula (Pterelachisus) cinereocincta* Lundstrom, 1907

**SR:** FAB (Tara)

Remark: new for the region

*Tipula (Pterelachisus) crassiventris* Riedel, 1913

**SL:** SS78, SV81, SS84, TO86, SV87; **CR:** T80, SV81, TO86, SV87; ZMAN; **SR:** S74, S77, S79, SV81, TO86, SV87; **MN:** SV87; **MA:** S74, S77, SV81, TO86, SV87

*Tipula (Pterelachisus) glacialis* (Pokorny, 1887)

**SL:** B88, SS78, SV81, TO86, SV87; **MN:** SV87, OT92

*Tipula (Pterelachisus) irrorata* Macquart, 1826

**CR:** La17, SP79, SV81, TO86; **SR:** SV81, TO86; **MN:** SV87

*Tipula (Pterelachisus) luridorostris* Schummel, 1833

**MN:** SV87, OT92

*Tipula (Pterelachisus) mayerduerii* Egger, 1863

**CR:** La17, SP79, SV81, TO86, OT92

*Tipula (Pterelachisus) neurotica* Mannheims, 1966

**SL:** SV81, TO86; ZMAN; **CR:** SV81, TO86; ZMAN; **BH:** S74, SV81, TO86

Remark: S74 and SV81 as *nervosa* Meigen

*Tipula (Pterelachisus) pabulina* Meigen, 1818

**SL:** SS78, SV81, SS84, TO86; **CR:** SP79, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86, FAB (Goč); **MA:** S74, S77, T80, SV81, TO86; ZMAN

*Tipula (Pterelachisus) plitviciensis* Simova, 1962

**CR:** T. S74, SP79, SV81, TO86, SV87; **BH:** S74, SV81, TO86; **SR:** SV87; **MN:** S62, T80, TO86, SV87; ZFMK; ZMAN; **MA:** S74, S77, SV81, TO86, SV87

*Tipula (Pterelachisus) pseudoirrorata* Goetghebuer, 1921

**SL:** SVS90; ZMAN; **MA:** ZMAN (Gjonovica)

*Tipula (Pterelachisus) pseudovariipennis* Czizek, 1912

**SL:** SS78, SV81, SS84, TO86; **CR:** SP79, SV81, TO86; **BH:** S74, S77, SV81, TO86; ZFMK; **SR:** S64, S74, S77, S79, SV81, TO86, FAB (Beograd: Surčin; Goč); **MN:** SV81, TO86, SV87; **MA:** S59, S64, S74, S77, SV81, TO86

*Tipula (Pterelachisus) submarmorata* Schummel, 1833

**SL:** SVS90; **BH:** SVS90

*Tipula (Pterelachisus) truncorum* Meigen, 1830

**SL:** SV81, TO86; **CR:** La17, S74, S77, SV81, TO86, SV87; **BH:** SR02, S59; **SR:** S62, S74, S77, S79, SV81, TO86, SV87; **MN:** SV87; **MA:** S59, S74, S77, ST77, SV81, TO86, SV87

Remark: La17 as *winnertzii* Egger

*Tipula (Pterelachisus) varipennis* Meigen, 1818

**SL:** SS78, SV81, SS84, TO86; **CR:** SP79, SV81, TO86; **BH:** SR98, SR00, S59, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MA:** S59, S74, S77, SV81, TO86

*Tipula (Pterelachisus) winthemi* Lackschewitz, 1932

**CR:** T (Dalmatia)

*Tipula (Savtshenkia) alpium* Bergroth, 1888

**MN:** SV87, OT92

*Tipula (Savtshenkia) benesignata* Mannheims, 1954

**SL:** TO86, ZMAN; **CR:** SV81, TO86; **MN:** SV87

*Tipula (Savtshenkia) boreosignata* Tjeder, 1969

**MN:** FAB (Durmitor: Veliki Krš)

Remark: new for the region

*Tipula (Savtshenkia) cheethami* Edwards, 1924

**BH:** FAB (Jahorina)

Remark: new for the region

*Tipula (Savtshenkia) goriziensis* Strobl, 1893

**SL:** S74, SS78, SV81, TO86

*Tipula (Savtshenkia) grisescens* Zetterstedt, 1851

**BH:** SR02, S74, TO86

Remark: all as *macrocera* Zetterstedt

*Tipula (Savtshenkia) invenusta subinvenusta* Slipka, 1950

**MN:** SV87, OT92

*Tipula (Savtshenkia) obsoleta* Meigen, 1818

**SL:** SVS90; **CR:** SV81, TO86, SVS90; **BH:** S74, SV81, TO86, SVS90; **SR:** FAB (Radan)

*Tipula (Savtshenkia) pagana* Meigen, 1818

**SL:** SVS90

*Tipula (Savtshenkia) rufina rufina* Meigen, 1818

**SL:** SV81, SS84, TO86; **CR:** T73; ZFMK; **BH:** S74, S77, SV81, TO86; **SR:** FAB (Crni vrh; Midžor; Rtanj); **MA:** S74, S77, SV81, TO86

*Tipula (Savtshenkia) serrulifera* Alexander, 1942

**MN:** SV87, OT92

*Tipula (Savtshenkia) subnodicornis* Zetterstedt, 1838

**SL:** SVS90; **SR:** SVS90

*Tipula (Savtshenkia) subsignata subsignata* Lackschewitz, 1933

**MN:** SV87, OT92

*Tipula (Schummelia) variicornis variicornis* Schummel, 1833

**SL:** SS84, SV87; **ZMAN;** **BH:** SR00; **SR:** SV81, TO86, SV87; **MN:** SV87

*Tipula (Schummelia) zonaria* Goetghebuer, 1921

**SL:** ZMAN (E of Tržič, Dolina); **BH:** M52, S74, SV81, TO86, SV87, OT92; **MN:** SV87, OT92

*Tipula (Tipula) hungarica* Lackschewitz, 1930

**MA:** S77

Remark: figured in S77 as variation of *orientalis* Lackschewitz (see also Theowald, 1984)

*Tipula (Tipula) italica italica* Lackschewitz, 1930

**SL:** ZFMK (Portorož); **CR:** ZFMK (Levada; Pula)

Remark: new for the region

*Tipula (Tipula) italica errans* Theowald, 1984

**CR:** M52, S74, SV81, TO86; **MA:** S77

Remark: all as *italica* Lackschewitz, in S77 figured as variation of *orientalis* Lackschewitz (see also Theowald, 1984)

*Tipula (Tipula) mediterranea* Lackschewitz, 1930

**SL:** SS78, SV81, TO86, OT92; **MN:** FAB (Djurdjeviča Tara); **MA:** C58

*Tipula (Tipula) oleracea* Linnaeus, 1758

**SL:** L30, S74, S77, SS78, SV81, SS84, TO86; **ZMAN;** **CR:** La17, SR98, SR00, S59, S74, S77, SV81, TO86; **ZFMK;** **BH:** SR98, SR00, L30, S59, S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **ZFMK;** **ZMAN;** **MN:** ZMAN (Ivangrad); **MA:** S59, S74, S77, ST77, SV81, TO86; **ZMAN**

Remark: records in SR98 and SR00 might refer to *orientalis* Lackschewitz as well

*Tipula (Tipula) orientalis* Lackschewitz, 1930

**SL:** SS78, SV81, TO86; **CR:** L30, M52, S60, S74, S77, SV81, TO86; **ZFMK;** **ZMAN;** **BH:** S74, S77, SV81, TO86; **SR:** S62, S74, S77, S79, SV81, TO86; **ZFMK;** **MN:** SV87; **MA:** M52, S60, S74, S77, ST77, SV81, TO86; **ZFMK;** **ZMAN**

*Tipula (Tipula) paludosa* Meigen, 1830

**SL:** SV81, TO86; **ZMAN;** **CR:** La17, SV81, TO86; **BH:** SR98, SR00, S59, S74, SV81, TO86; **SR:** ZFMK (Nova Varoš); **MA:** S59

*Tipula (Tipula) subcunctans* Alexander, 1921

**SL:** L30; **ZMAN;** **BH:** S74, S77, SV81, TO86; **SR:** S64, S74, S77, S79, SV81, TO86; **MA:** S74, S77, ST77, SV81, TO86

Remark: S64 as *fusca* Staeger; L30, S74, S77, ST77, S79, SV81 as *czizeki* de Jong

*Tipula (Vestiplex) excisa excisa* Schummel, 1833

**SL:** B88, TM62, SS78, SV81, SS84, TO86; **CR:** FAB (Medvednica, Vrhovine); **BH:** S74, SV81, TO86; **SR:** S74, S79, SV81, TO86; **MN:** S74, SV81, TO86; **MA:** S60, S62, S74, S77, SV81, TO86

Remark: S62 as *verbernae* Mannheims and Theowald

*Tipula (Vestiplex) hemiptera strobliana* Mannheims, 1966

**SL:** B88, TM62, TO86; **MN:** FAB (Durmitor: Veliki Krš; Čurovac; Jakšiča Katuni)

Remark: B88 from Krn as *excisa* Schummel; TM62 as *cinerea cinerea* Strobl; TO86 as *strobliana strobliana* Mannheims

*Tipula (Vestiplex) hortorum* Linnaeus, 1758

**SL:** B88, TO86; **ZMAN;** **CR:** S62, TO86; **ZMAN;** **BH:** SR98, SR00, TO86; **SR:** TO86, ZMAN; **MA:** S77, TO86

Remark: SR98, SR00, S77 (fig. 86) as *nubeculosa* Meigen

*Tipula (Vestiplex) montana montana* Curtis, 1834

**SR:** S74, S79, SV81, TO86; **MN:** FAB (Durmitor: Mali Medjed); **MA:** S74, S77, SV81, TO86

Remark: S74, S77, S79, SV81 as *excisoides* Alexander

*Tipula (Vestiplex) nubeculosa* Meigen, 1804

**SL:** S74, SS78, SV81, SS84, TO86; **CR:** La17, S74, S77, SP79, SV81, TO86; **ZMAN;** **BH:** S74, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **MN:** SV81, TO86, SV87; **MA:** S74, S77, SV81, TO86

Remark: SS78 as *rubripes* Schummel



*Tipula (Vestiplex) pallidicosta pallidicosta* Pierre, 1924

**SL:** SS78, SV81, TO86; **CR:** SV81, TO86; **ZMAN;** **BH:** FAB (Golia mountain);  
**SR:** S62, S74, S77, S79, SV81, TO86; **MN:** M53, S62, S74, S77, SV81, TO86,  
SV87; **ZMAN;** **MA:** S60, S74, S77, SV81, TO86

*Tipula (Vestiplex) scripta scripta* Meigen, 1830

**SL:** B88, S62, S74, S77, SS78, SV81, SS84, TO86; **CR:** La17, SV81, TO86;  
ZFMK; **BH:** SR02, S74, SV81, TO86; **SR:** S62, S74, S77, S79, SV81, TO86;  
**MN:** SV81, TO86, SV87; **MA:** S74, S77, ST77, SV81, TO86

*Tipula (Yamatotipula) caesia* Schummel, 1833

**SL:** SS84; **CR:** La17, SP79, SV81, TO86; **ZMAN;** **BH:** SR00, SV81, TO86;  
**ZMAN;** **SR:** S74, S77, S79, SV81, TO86; **ZMAN;** **MA:** S60, S74, S77, SV81,  
TO86; **ZMAN**

*Tipula (Yamatotipula) lateralis* Meigen, 1804

**SL:** SS84; **ZMAN;** **CR:** M52, S74, S77, SP79, SV81, TO86; ZFMK; **ZMAN;** **BH:**  
S74, S77, SV81, TO86; **SR:** S74, S77, S79, SV81, TO86; **ZMAN;** **MN:** SV81,  
TO86, SV87; **ZMAN;** **MA:** C58, S59, S74, S77, ST77, SV81, TO86; **ZMAN**

*Tipula (Yamatotipula) montium* Egger, 1863

**CR:** La17; **BH:** SR98, SR00, S60, S74, SV81, TO86, SV87; **SR:** SV81, TO86;  
**MN:** SV87; **MA:** S59, S60, TO86

Remark: S59 as *pseudolateralis* Tonnoir

*Tipula (Yamatotipula) pierrei* Tonnoir, 1921

**SL:** ZMAN (Risnjak); **SR:** SV81, TO86, OT92

Remark: SV81 as *solstistialis* Westhoff

*Tipula (Yamatotipula) pruinosa pruinosa* Wiedemann, 1817

**BH:** SV81, TO86, SVS90; **SL:** SVS90

*Tipula (Yamatotipula) riedeli* Mannheims, 1952

**BH:** t (*bosnica* Riedel, 1913). S74, SV81, TO86; **SR:** SV81, TO86; **ZMAN;** **FAB**  
(Divčibare; Kosmaj); **MN:** SV87

*Tipula (Yamatotipula) submontium* Theowald and Oosterbroek, 1981

**SL:** SVS90; **MN:** TO86, SVS90

### Species omitted

The following species, recorded from one of the countries or from former Yugoslavia, are omitted from the list:

*Dolichozepe nitida* Mik

*Nephrotoma forcipata* Pierre

*Nephrotoma rossica* Loew

*Nephrotoma submaculosa* Edwards

- Tipula (Acutipula) repanda* Loew  
*Tipula (Lunatipula) affinis* Schummel  
*Tipula (Lunatipula) bullata* Loew  
*Tipula (Lunatipula) pustulata* Pierre  
*Tipula (Yamatotipula) marginella* Theowald (as *marginata* Meigen).  
*Tipula* (Subgenus?) *breieri* Mannheims (nomen nudum)  
*Tipula* (Subgenus?) *triangularis* Mannheims (nomen nudum)

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