

**NEW RECORDS FOR SOME WESTERN PALAEARCTIC ISSIDAE
(HEMIPTERA: FULGOROIDEA)**

Vladimir M. GNEZDILOV

Zoological Institute, Russian Academy of Sciences, Universitetskaya nab.1,
199034 St. Petersburg, Russia. E-mail: vmgnezdilov@mail.ru, vgnezdilov@zin.ru

Abstract - New data on distribution are given for 16 issid species. For the first time the family Issidae is recorded from Afghanistan, the genus *Kovacsiana* Synave, 1956 - from the Palearctic Region, the genus *Conosimus* Mulsant et Rey, 1855 - from Morocco, the genus *Issus* Fabricius, 1803 - from Turkey, the genus *Mycterodus* Spinola, 1839 - from Iraq, and the genus *Kervillea* Bergevin, 1918 - from the Caucasus.

KEY WORDS: Hemiptera, Issidae, Issini, Western Palearctic, distribution

Izvešček - NOVE NAJDBE NEKAJ ZAHODNOPALEARKTIČNIH ŠKRŽATKOV DRUŽINE ISSIDAE (HEMIPTERA: FULGOROIDEA)

Navedeni so novi podatki o razširjenosti 16 vrst družine Issidae. Družina je prvič najdena v Afganistanu, rod *Kovacsiana* Synave, 1956, v palearktični regiji, rod *Conosimus* Mulsant et Rey, 1855 v Maroku, rod *Issus* Fabricius, 1803, v Turčiji, rod *Mycterodus* Spinola, 1839, v Iraku in rod *Kervillea* Bergevin, 1918, na Kavkazu.

KLJUČNE BESEDE: Hemiptera, Issidae, Issini, Zahodna Palearktika, razširjenost

Introduction

During my study of Western Palaearctic ispid fauna several new records of generic and species level were discovered. Thus, for the first time the family Issidae is recorded from Afghanistan, the genus *Kovacsiana* Synave, 1956 - from the Palaearctic Region, the genus *Conosimus* Mulsant et Rey, 1855 - from Morocco, the genus *Issus* Fabricius, 1803 - from Turkey, the genus *Mycterodus* Spinola, 1839 - from Iraq, and the genus *Kervillea* Bergevin, 1918 - from the Caucasus. All previous records of *Kovacsiana* from the Mediterranean (Dlabola, 1985, 1986, 1989) belong to the genus *Latilica* Emeljanov, 1971 (Gnezdilov, 2003, 2004; Gnezdilov & Mazzoni, 2004). Several species are recorded from Montenegro and the Republic of Macedonia in course of formal documenting of species distribution in the countries of the former Yugoslavia. One of the rarest Mediterranean species - *Pseudohemisphaerius piceus* (Puton, 1884) is recorded from its type locality in Greece (Parnassus Mt.) for the first time during last 100 years.

Material and methods

The materials examined are deposited in the following collections: CAH - M. Asche & H. Hoch collection, Berlin, Germany; ZMHB - Zoologisches Museum, Humboldt Universität, Berlin, Germany; SNSD - Staatliche Naturhistorische Sammlungen Dresden, Museum für Tierkunde, Germany; HNHM - Hungarian Natural History Museum, Budapest, Hungary; MMBC - Moravian Museum, Brno, Czech Republic; NMPC - National Museum of Natural History, Praha, Czech Republic; MNHN - Muséum national d'Histoire naturelle, Paris, France; ZIN - Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia.

Results

Issidae Spinola, 1839

Issini Spinola, 1839

Issina Spinola, 1839

Issus abdunnouri Dlabola, 1987

Turkey: 1\$, Iskenderun Province, Amanos Mts., near Teknepinari, 250 m, 7.IX.1978, M. Asche & H. Hoch leg. (CAH); 1\$, Hatay Province, Cevlik, 36°07'17"N 35°55'20"E, 24 m a.s.l., brook in Titus Vespasianus Tuneli tunne, 10.V.2007, P. Kment leg. (NMPC).

Note. First record from Turkey.

Issus pospili Dlabola, 1958

Greece: 1\$, 4\$, Nomos Kozani, Vourinos Mts., 1000-1400 m, 27.VI.1984, M. Asche & H. Hoch leg. (CAH).

Note. First record from Greece. Up to now the species was known only from the Caucasus (Dlabola, 1958; Gnezdilov, 2000, 2010).

Latissus dilatatus (Fourcroy, 1785)

Montenegro: 1\$, 3\$, Sutorina, 16.VI.1911, S.V. Spaney-Schumacher leg. (ZMHB).

Note. First record from Montenegro.

Agalmatiina Gnezdilov, 2002

Clybeccus declivus Dlabola, 1986

Greece: 1\$, Crete, Nomos Rethimnon, N supra Agia Galini, ca. 150 m, 18.VII.1976, M. Asche leg. (CAH).

Note. First record from Crete.

Hysteropterina Melichar, 1906

Conosimus noualhierii Puton, 1898

Morocco: 4 \$, 11 \$, Berkane (MNHN); 3\$, Taforal, SE Berkane, 850 m, pine forest, 15.IX.2007, I. Dworakowska leg. (ZIN).

Note. Up to now the species was known only from Algeria (Puton, 1898)

Falcidius limbatus (A. Costa, 1864)

Italia: 1\$, 3\$, Calabria (MMBC).

Note. First record from the continental Italy. Up to now the species was known only from Algeria and Sicily (Gnezdilov & Wilson, 2008).

Webbisanus ochreicolor Dlabola, 1983

Turkey, Mersin Province: 3\$, 2\$, W Silifke, 10 km E Balandiz, 5.IX.1978; 2\$, E Guelnar W of Goekbelen, 1000 m, 5.IX.1978, all leg. M. Asche & H. Hoch. (CAH).

Note. Up to now the species was known only from the holotype (Dlabola, 1983).

Brachyprosopa bicornis (Kusnezov, 1929)

Afghanistan, Baglan: 3\$, 1\$, 28.VI.1966; 1\$, 15.VII.1966, all leg. E. S. Sugonyaev (ZIN).

Note. First record from Afghanistan.

Pseudohemisphaerius piceus (Puton, 1884)

Greece: 1\$, Sterea Ellas, Parnassos Mts., Arahova, 900 m, limestone, southern slope, pasture, macchia, 27.V.1995, P. Lauterer leg. (MMBC).

Note. Previous records were published by Puton (1884) and Melichar (1906). Apparently the species is endemic to Parnassus Mt.

Kervillea conspurcata (Spinola, 1839)

Republic of Macedonia: 1\$, 1\$, Prilep Province, Kutlesevo, 31.V.1998, A. Podlussany leg. (HNHM).

Note. First record from the Republic of Macedonia.

Kervillea kirgisorum (Kusnezov, 1930)

Russia: 1\$, "Caucasus bor., Pjätigorsk" (MMBC).

Note. First record from the Caucasus.

Latematium latifrons (Fieber, 1877)

Greece: 7\$, 6\$, Kavala Province, Pangeo Mts, Akrovouni, 1600 m, 25.V.1995, A. Orosz leg. (HNHM). Republic of Macedonia: 6\$, 3\$, Skopje Province, Ivanje Mt., Matka, 1.VI.1998, A. Orosz & A. Podlussany leg. (HNHM); 2\$, 5\$, Kratovo Province, Žguri-pass, 880 m, Grizilevci, 6-7.VI.1998, A. Podlussany leg. (HNHM).

Note. First record from the Republic of Macedonia.

Mycterodus hakkaricus Dlabola, 1980

Iraq, Mosul Province: 5\$, 3\$, Sarsang, 1200-1800 m, 19-21.VI.1958; 1\$, Kadish, 1200 m, 18.VI.1958, all leg. R. Remane (SNSD).

Note. First record from Iraq.

Kovacsiana abyssinica Synave, 1956

Greece: 1\$, "Rhodus Insel, 1916, 2", coll. A. Jacobi (SNSD).

Note. First record from the Palaearctic Region.

Tshurtshurnella lodosi Dlabola, 1979

Iraq: 4\$, 4\$, Mosul Province, Duhok, 850-1300 m, 16-17.VI.1958, R. Remane leg. (SNSD).

Note. First record from Iraq.

Bubastia jatagana Dlabola, 1980

Greece: 5\$, Rhodos I., supra Salakos, 300 m, 20.IX.1983, M. Asche & H. Hoch leg. (CAH).

Note. First record from Rhodes.

Acknowledgements

I thank Prof. Dr. Hannelore Hoch, Dr. Manfred Asche, and Dr. Jürgen Deckert (Berlin, Germany), Dr. Christian Schmidt (Dresden, Germany), Mr. Andras Orosz and Dr. David Rédei (Budapest, Hungary), Dr. Petr Kment (Prague, Czech Republic), Dr. Igor Malenovsky and Dr. Pavel Lauterer (Brno, Czech Republic), Prof. Dr. Thierry Bourgoïn and Dr. Adeline Soulier-Perkins (Paris, France), and Dr. Irena Dworakowska (Canada) for the opportunity to examine the material and their

hospitality. The study was financially supported by Alexander von Humboldt Stiftung (Germany), Muséum national d'Histoire naturelle (Paris, France), and the Ministry of Education and Science of the Russian Federation. My visit to Budapest was in the frame of an academic exchange programme between Hungary and Russia.

References

- Dlabola J.**, 1958: Zikaden-Ausbeute von Kaukasus (Homoptera Auchenorrhyncha). *Acta Entomologica Musei Nationalis Pragae*, **32**: 317-352.
- Dlabola J.**, 1983: Neue mediterrane, meistens anatolische Issiden (Homoptera, Auchenorrhyncha). *Acta Entomologica Bohemoslovaca*, **80**: 114-136.
- Dlabola J.**, 1985: Neue mediterrane, eremische und ostafrikanische Issiden-Taxone (Hom., Auchenorrhyncha). *Sbornik Narodniho Muzea v Praze Rada B Prirodni Vedy*, **40**(3-4): 217-243.
- Dlabola J.**, 1986: Neue Arten der Fulgoromorphen Zikaden-Familien vom Mittelmeergebiet und Nahen Osten. *Acta Musei Nationalis Pragae*, **42B**(3-4): 169-196.
- Dlabola J.**, 1989: Neue Issiden und andere Zikadenarten des Mediterraneums und vom zuliegenden Eremial (Homoptera, Auchenorrhyncha). *Acta Musei Nationalis Pragae*, **45** B(1): 21-59.
- Gnezdilov V.M.**, 2000: To the knowledge of the faunistic complexes of the Cicadina (Homoptera) in the main plant formations of the Northwestern Caucasus. *Entomologicheskoe obozrenie*, **79**(4): 794-811. (In Russian with English summary). English translation published in *Entomological Review*, **80**(8): 927-945.
- Gnezdilov V.M.**, 2003: Review of the family Issidae (Homoptera, Cicadina) of the European fauna, with notes on the structure of ovipositor in planthoppers. *Chteniya pamyati N.A. Kholodkovskogo (Meetings in memory of N.A. Cholodkovsky)*, St. Petersburg, **56**(1): 1-145. (In Russian with English summary).
- Gnezdilov V.M.**, 2004: New species of the genus *Latilica* (Homoptera, Cicadina, Issidae) from Lebanon. *Zoologicheskyy zhurnal*, **83**(5): 621-625. (In Russian with English summary). English translation published in *Entomological Review*, **83**(3): 370-374.
- Gnezdilov V.M.**, 2010: New synonyms, combinations, and faunistic records of Western Palaearctic planthoppers of the family Issidae (Homoptera, Fulgoroidea). *Entomologicheskoe obozrenie*, **88**(2): 413-422. (In Russian with English summary). English translation published in *Entomological Review*, **90**(8): 1024-1030.
- Gnezdilov V.M. & Mazzoni V.**, 2004: Notes on the *Latilica maculipes* (Melichar, 1906) species group (Homoptera, Issidae). *Redia*, **86**: 147-151.
- Gnezdilov V.M. & Wilson M.R.**, 2008: Revision of the genus *Falcidius* Stal (Hemiptera: Fulgoroidea: Issidae). *Journal of Natural History*, **42** (21-22): 1447-1475.

- Melichar L.**, 1906: Monographie der Issiden (Homoptera). *Abhandlungen der K. K. Zoologisch-botanischen Gesellschaft in Wien*, **3**(4): 1-327.
- Puton A.**, 1884 : Hémiptères nouveaux. *Revue d'Entomologie*, **3**: 85-88.
- Puton, A.** 1898. Hémiptères nouveaux. *Revue d'Entomologie*, **17**: 166-176.

Received / Prejeto: 23. 10. 2011