



FRAGMENTA FAUNISTICA 60 (1): 1–13, 2017

PL ISSN 0015-9301 © MUSEUM AND INSTITUTE OF ZOOLOGY PAS

DOI 10.3161/00159301FF2017.60.1.001

## **New data on the occurrence of terrestrial true bugs (Hemiptera: Heteroptera) in Pieniny Mountains**

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**Abstract:** The results on studies of the fauna of true bugs are presented. The research was conducted in the years 2005–2008 in the Pieniny Mountains. A list of 71 species, mainly belonging to the family Miridae, is presented. Among the identified specimens such rare species in Poland as *Eurycolpus flaveolus*, *Stenodema sericans* and *Berytinus signoreti* deserve a special interest. Features that distinguish very similar species, such as *Lygus wagneri* and *L. punctatus*, are given.

**Key words:** true bugs, new records, Poland, faunistics, rare species, Pieniny National Park



FRAGMENTA FAUNISTICA 60 (1): 15–22, 2017

PL ISSN 0015-9301 © MUSEUM AND INSTITUTE OF ZOOLOGY PAS

DOI 10.3161/00159301FF2017.60.1.022

## **Coprophilous histerids (Coleoptera: Histeridae) of the Polish Carpathians**

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**Abstract:** The occurrence of coprophilous histerids in the Polish Carpathians was investigated. A total of 2,680 specimens, representing 11 species and 4 genera, were collected. The vertical distribution of individual species and their zoogeography was analysed.

**Key words:** *Atholus*, *Hister*, *Margarinotus*, *Onthophilus*, Carpathians, Poland



FRAGMENTA FAUNISTICA 60 (1): 23–46, 2017  
PL ISSN 0015-9301 © MUSEUM AND INSTITUTE OF ZOOLOGY PAS  
DOI 10.3161/00159301FF2017.60.1.023

## Systematic review of the European *Gymnophora* Macquart (Diptera: Phoridae), with five new species

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**Abstract:** Five species of the genus *Gymnophora*, i.e. *G. bifida* n. sp., *G. distinctus* n. sp., *G. forresteri* n. sp., *G. tyrolensis* n. sp., *G. winqvisti* n. sp. are described. The new key to European species of the genus, richly illustrated with color photographs, is provided.

**Key words:** Diptera, Phoridae, *Gymnophora*, Europe, new species, key to species



FRAGMENTA FAUNISTICA 60 (1): 47–52, 2017

PL ISSN 0015-9301 © MUSEUM AND INSTITUTE OF ZOOLOGY PAS

DOI 10.3161/00159301FF2014.60.1.047

## Two new species of *Megaselia* Rondani (Diptera: Phoridae) from Poland

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**Abstract:** Two new scuttle fly species of genus *Megaselia* are described from Poland. *M. boguslawi* sp. n. was found in central Poland in the pine forest after fire. *M. wigryensis* n. sp. was caught in the north-eastern part of country in the linden-oak-hornbeam forest of the Wigry National Park.

**Key words:** Diptera, Phoridae, *Megaselia*, new species, Poland



## Spider fauna (Araneae) of the Sieraków Landscape Park (Central Poland) – preliminary data

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**Abstract:** The paper presents preliminary data on araneofauna of the selected habitats in the Sieraków Landscape Park, where spiders have not yet been studied. The fauna was sampled by sweep net and pitfall trap methods in crop fields, forest and in the ecotone zones: forest/crop field and forest/lake. It was found 44 spider species and four genera represented by young specimens, i.e. *Metellina* sp., *Neriene* sp., *Haplodrassus* sp. and *Xysticus* sp. The largest number of taxa (24) was found in the forest/lake ecotone, and the smallest one (10) in the crop field, 200 m distant from the forest. The recorded spiders belong to the common species, but they were characteristic for their biotopes.

**Key words:** araneofauna, crop fields, ecotone, forest, lake, habitat disturbances



FRAGMENTA FAUNISTICA 60 (1): 61–66, 2017

PL ISSN 0015-9301 © MUSEUM AND INSTITUTE OF ZOOLOGY PAS

DOI 10.3161/00159301FF2017.60.1.061

## Three alien spider species (Araneae: Theridiidae) newly found in Poland

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**Abstract:** Global warming and intensive transport favor the spreading of species. In 2015, three theridiid spider species were found in Poland for the first time: *Kochiura aulica*, *Latrodectus geometricus* and *Theridion melanostictum*. *Kochiura aulica* was transported in pomegranates from Turkey and *T. melanostictum* in pomegranates from Chile. One female of *Latrodectus geometricus* hung, with three egg sacs, on a web in a car imported from the USA (2015), and also in grapes imported from Chile, Morocco and RPA (2017). Effect of non-native spider species in Poland is discussed.

**Key words:** first record, introduced species, identification, *Kochiura aulica*, *Latrodectus geometricus*, *Theridion melanostictum*



## New records of several rare spider species (Araneae) from south-eastern Poland

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**Abstract:** The paper presents new data on seven rare spider species in Poland: *Anelosimus vittatus*, *Clubiona corticalis*, *Nusoncus nasutus*, *Pocadicnemis carpatica*, *Pseudicius encarpatus*, *Pseudomaro aenigmaticus* and *Talavera thorelli*. Their current locations is presented on maps. Moreover, the figures illustrating the main diagnostic features of *Clubiona corticalis*, *Pseudomaro aenigmaticus* and *Talavera thorelli* are included.

**Key words:** rare spiders, distribution, *Pseudomaro aenigmaticus*, *Talavera thorelli*