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NEW RECORDS OF XYLOMYCETOBIONTIC BEETLES (INSECTA, COLEOPTERA) FROM KYIV REGION (UKRAINE)

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New Records of Xylomycetobiotic Beetles (Insecta, Coleoptera) from Kyiv Region (Ukraine). Krivosheyev R. E. — Eleven species are recorded from Kyiv and Kyiv Region, among them three, *Corticarina latipennis* (Sahlberg, 1871), *Cis laricinus* (Mellié, 1848), and *Epuraea excisicollis* (Reitter 1872), are recorded from Ukraine, *Triplax rufipes* (Fabricius, 1781) and *Cis glabratus* (Mellié, 1848) from Kyiv Region, and *Salpingus ruficollis* (Linnaeus, 1761) from the Left-Bank (Trans-Dnieper) Ukraine for the first time. Distribution and ecological peculiarities of some species are discussed.

Key words: Coleoptera, Scaphidiidae, Nitidulidae, Erotylidae, Endomychidae, Lathridiidae, Mycetophagidae, Melandryidae, Ciidae, xylomycetobionts, fauna, Ukraine.

Новые находки ксиломицетобионтных жесткокрылых (Insecta, Coleoptera) из Киевской области. Кривошеев Р. Е. — Из Киева и окрестностей отмечены 11 видов, из которых три, *Corticarina latipennis* (Sahlberg, 1871), *Cis laricinus* (Mellié, 1848) и *Epuraea excisicollis* (Reitter, 1872), отмечены впервые для Украины, *Triplax rufipes* (Fabricius, 1781) и *Cis glabratus* (Mellié, 1848) впервые приводятся для Киевской обл., а *Salpingus ruficollis* (Linnaeus, 1761) — для Левобережной Украины. Рассмотрены распространение и экологические особенности отдельных видов.

Ключевые слова: Coleoptera, Scaphidiidae, Nitidulidae, Erotylidae, Endomychidae, Lathridiidae, Mycetophagidae, Melandryidae, Ciidae, ксиломицетобионты, фауна, Украина.

Most data on the coleopterofauna of the town of Kyiv and its vicinity are very old and to certain degree out-of-date for many families are dated from the time of N. Tsherkunov (1889) and also contained in the papers by I. H. Hochhuth (1873), E. Reitter (1909, 1911), and G. G. Jakobson (1905–1916) and only partially were reflected in the modern catalogues (Lubl, Smetana, 2004). In contrast to the better examined families as Scarabaeidae, Tenebrionidae, Elateridae, Cerambycidae, Chrysomelidae та Curculionidae, smaller families of the beetles (among them those infesting timber bracket fungi) remain poorly examined in this region and Ukraine in general. Timber bracket fungi (polypores, sponks et al.) are parasitic and saprotrophous, damaging wood; on the other hand, some of them are cultivated as edible mushrooms, and studies of their potential pests becomes important in Ukraine from this point of view. The most complete list of mycetophilous beetles of Germany and bordering countries, with extensive ecological data was published by L. Benick (1952), but that monograph did not include data on Ukrainian fauna. Recently, N. B. Nikitsky (1993) recorded 3 species of the family Mycetophagidae from Transcarpathian Region. Also Nikitsky, with the group of other researchers, thoroughly described xylo- and mycetobiotic species of beetles from the Prioksko-Terrasnyi Biosphere Reserve (Nikitsky et al., 1996, 1998). A. N. Drovalenko (1997 a, 1999) recorded some species of the Erotylidae, Mycetophagidae, Ciidae and some other coleopteran families mainly from the East of Ukraine and summarized literature data on their distribution. A. Mateleshko (2009) reviewed rare and newly found species of Coleoptera from the Ukrainian Carpathians.

The material discussed below, if not otherwise stated, was collected by the author and deposited in the collection of the I. I. Schmalhausen Institute of Zoology, National Academy of Sciences of Ukraine (Kyiv) (SIZK); Additional materials examined from the I. H. Hochhuth's collection at the National Natural History Museum of the National Academy of Sciences of Ukraine, Kyiv (NNHMK) usually have the only geographical label "Kiew", which corresponds to the Kiev Province (= Government) in the boundaries of 1850–1870s, which includes most of the territory of Zhitomir Region, but not the left-bank territory of Kyiv Region in their modern boundaries.

Abbreviations of the collecting localities with their coordinates are as follows:

Babyn Yar — Kyiv, Babyn Yar (= Babiy Yar), deciduous grove: 50°28'53.80"N 30°27'45.86"E;
 Bohdany — Kyiv Region, Ivankiv District, Bohdany Village: 51°01'36.88"N 30°14'58.02"E;
 Dendropark — Kyiv, Holosieve, Dendropark at the National Agrarian University: 50°22'56.90"N 30°30'19.91"E;
 Expocenter — Kyiv, Holosieve, National Exposition Centre of Ukraine: 50°22'30.25"N 30°29'02.14"E;
 Hydropark — Kyiv, Venetsyansky Ostriv, Hydropark: 50°26'35.52"N 30°34'48.14"E;
 Natalka — Kyiv, Natalka, bank of Dnieper: 50°29'40.93"N 30°31'38.82"E;
 Synie Ozero — Kyiv, Vynohradar, Synie Ozero (lake): 50°30'44.60"N 30°24'00.66"E;
 Vitryani Gory — Kyiv, Vynohradar: 50°31'40.77"N 30°27'02.70"E.

Family STAPHYLINIDAE

Scaphisoma assimile (Erichson, 1845)

Material. Kyiv, Dendropark, in a rotten carposome of an undermined polypore, 21.04.2008, 2 specimens (SIZK); “Kiew”, 5 specimens (NNHMK).

Distribution. Widespread in Albania, Belgium, Croatia, Germany, Latvia and Lithuania; Ukraine (Löbl, Smetana, 2004); Tsherkunov (1889) did not record it from Kiev Province.

Remarks. According to Benick (1952), inhabits rotting carposomes of *Lenzites betulina*, along with other species of *Scaphisoma*.

Family NITIDULIDAE

Epuraea excisicollis (Reitter, 1872)

Material. Kyiv, Hydropark, on the hymenophore of the *Polyporus squamosus* on alder, 1.05.2008, 3 specimens (SIZK).

Distribution. Belarus (Alexandrovicz et al., 1996), Denmark, Finland, Germany, Lithuania and North-East of European Russia (Audisio, Jelinek, 2004). First record from Ukraine.

Remarks. On *Lenzites betulina* and *Fomes fomentarius* (Benick, 1952), along with other members of the family, and also with Leiodidae and Cerylonidae.

Family EROTYLIDAE

Triplax rufipes (Fabricius, 1781)

Material. Kyiv, Dendropark, under bark of hornbeam, 6.04.2009, 5 specimens; idem, under bark of poplar, 12.04.2008, 5 specimens; idem, under bark of willow, 21.04.2008, 9 specimens; Expocenter, in *Trametes* sp., 29.02.2008, 3 specimens; Hydropark, under bark of poplar, 9.04.2008, 2 specimens; idem, in the *Polyporus squamosus* on poplar, 1.05.08, 10 specimens (SIZK).

Distribution. Almost all Europe (incl. British Islands, Belarus, Estonia, Iceland, Lithuania, Portugal, south of Balkan Peninsula, Moldova and some regions of European Russia) (Jacobson, 1905–1916; Alexandrovicz et al., 1996; Węgrzynowicz, 2004; Löbl, Smetana, 2004). In Ukraine, known from “Kiev Province” (Jacobson, 1905–1916); also recorded from Lviv and Kharkiv Regions, as well as from Crimea (Drovalenko, 1997 a). Relatively rare species in Kyiv Region, but common in the Far East of Russia (Nikitsky, Kompantsev, 1995).

Remarks. The species occurs in such species of fungi, as *Leccinum aurantiacum*, *Pleurotus calyptratus*, *P. pulmonarius* (Drovalenko, 1997 a; Nikitsky et al., 1996), also in *P. ostreatus*, *P. citrinolineatus* (Nikitsky, Kompantsev, 1995).

Family ENDOMYCHIDAE

Leiestes seminiger (Gyllenhal, 1808)

Material. Dendropark, on *Auricularia* sp., 6.04.2009, 4 specimens.

Distribution. Central and Northern Europe (Audisio, Jelinek, 2004; Löbl, Smetana, 2007); it was recorded from Ukraine as “rare species” (Hochhuth, 1873), mainly in the Carpathians (Roubal, 1930, 1936, 1937).

Remarks. On white rotten wood of birch and asp, rare in fir, in fastening places of *Fomes fomentarius* and *Piptoporus betulinus*. Also on white wood of bird cherry tree and under rotten pine log near mucus-like mycelium of *Hyphodontia* (Nikitsky et al., 1996, 1998)

Family LATHRIDIIDAE

***Corticarina latipennis* (Sahlberg, 1871)**

Material. Expocenter, under the hornbeam bark, 17.03.08, 1 specimen; 4.04.2008, 5 specimens; 6.04.2008, 3 specimens, Natalka, under the willow bark, 20.04.2008, 5 specimens (SIZK).

Distribution. Britain, Czech Republic, Estonia, Finland, Germany, Latvia, Norway and Slovakia (Löbl, Smetana, 2007; Audisio, Jelinek, 2004). The species also occurs in Russia (Nikitsky et al., 1996). First record from Ukraine.

Remarks. In under the hornbeam bark, in *Polyporus caudicinus*, *Polyporus giganteus* and *Trametes gibbosa* (Benick, 1952).

Family MYCETOPHAGIDAE

***Litargus connexus* (Geoffroy, 1785)**

Material. Expocenter, under the hornbeam bark 4.03.2008, 1 specimen; Bohdany, on the pine-tree in *Ramaria* fungi, 5.08.2008, 4 specimens (SIZK).

Distribution. Most of Europe (Jacobson, 1905–1916; Audisio, Jelinek, 2004), including Ukraine.

Remarks. In bracket fungi *Piptoporus betulinus*, *Polyporus adustus*, *P. melanopus*, and *Stereum purpureum* (Nikitsky et al., 1996), also on *Hypoxylon fuscum*, *H. atropurpureum*, *H. fragiforme*, *H. coccineum*, *Daldinia concentrica* (Nikitsky, 1993). This species is listed by Tsherkunov (1889); it is not common in the area of studies, but well noticeable in association with *Mycetophagus quadripustulatus* (Linnaeus, 1761) a widespread species of the family.

Family MELANDRYDAE

***Orchesia (Clinocara) undulata* (Kraatz, 1853)**

Material. Expocenter, under the hornbeam bark 4.04.2008, 1 specimen; Hydropark, in *Polyporus squamosus* on poplar, 9.04.2008, 1 specimen; Vynogradar, under the poplar bark, 1.03.2008, 2 specimens.

Distribution. Most of Europe, incl. Ukraine (Audisio, Jelinek, 2004).

Remarks. Listed by Tsherkunov (1889) from Kyiv. Species are linked in their development with fungi *Phlebia radiata* (Nikitsky et al., 1996).

Family SALPINGIDAE

***Salpingus ruficollis* (Linnaeus, 1761)**

Material. Dendropark, in *Daedalea* bracket fungi, 6.04.2009, 2 ♂ 1 ♀ (SIZK).

Distribution. Countries of Baltic, Belarus, Great Britain, Czech Republic, Denmark, Finland, France, Germany, Italy, Norway, Spain, Sweden, the Netherlands, and Ukraine (Löbl, Smetana, 2008; Audisio, Jelinek, 2004). Listed by Tsherkunov (1889) for Kyiv. First record for the Left-Bank Ukraine.

Remarks. Under the bark of deciduous trees and in bracket fungi of the genera *Lenzites*, *Daedalea*, *Polyporus* and *Trametes* (Nikitsky, Belov, 1983), preying on Erotylidae and Leiodidae larvae.

Family CIIDAE

Rhopalodontus fronticornis (Mellié, 1847)

Material. "Kiew", 3 specimens (NNHMK).

Distribution. France, Germany, Greece, Hungary, Italy, Romania, and Slovakia (Löbl, Smetana, 2004; Audisio, 2004). Recorded by Tsherkunov (1889) for Kiev based on the material listed above. However, Ukraine is not listed in the Catalogue by Löbl and Smetana (2004) and in Fauna Europaea database (Audisio, Jelinek, 2004).

Remarks. In bracket fungi *Trametes ochracea*, *T. hirsuta*, *T. pubescens*, *T. versicolor* (Nikitsky et al., 1996).

Dolichocis laricinus (Mellié, 1848)

Material. "Kiew", 2 specimens (NNHMK).

Distribution. This species occurs predominantly in the North of Europe (Löbl, Smetana, 2004).

Remarks. Lives on dried fruiting bodies of *Piptoporus betulinus* on birch and *Abortiporus borealis* and *Fomitopsis pinicola* on fir. The species is also known from *Phellinus pini*, *Fomitopsis rosea*, *Funalia trogii*, and *Trametes hirsuta* (Nikitsky et al., 1996). Not listed by Tsherkunov (1889). First record from Ukraine.

Cis glabratus (Mellié, 1848)

Material. Babyn Yar, 6.04.2008, 6 specimens; Vitryani Gory, 8.03.08, 5 specimens; 26.04.2008, 2 specimens; Hydropark 1.05.2008, 8 specimens; Synie Ozero, 5.04.2008, 3 specimens (SIZK).

Distribution. Central (Germany, Austria) and Northern (Norway, Denmark, Finland) Europe (Audisio, Jelinek, 2004; Löbl, Smetana, 2004); not listed by Tsherkunov (1889). New for Kyiv and its vicinity.

Remarks. In bracket fungi *Trametes elegans*, *T. gibbosa*, *Lenzites betulina* and *Stereum hirsutum* (Benick, 1952).

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