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ON THE FAUNA OF LEPIDOPTERA (INSECTA) OF THE NATIONAL NATURE PARK 'DVORICHANSKYI' (KHARKIV REGION, UKRAINE) AND ITS ENVIRONS. CONTRIBUTION 3

Каролінський, С. О., Дем'яненко, С. О., Бідзіля, О. В., Будашкін, Ю. І., Гугля, Ю. О., Кавурка, В. В., Мушинський, В. Г., Жаков, О. В. До фауни лускокрилих (Insecta: Lepidoptera) Національного природного парку «Дворічанський» (Харківська область, Україна) та його околиць. Повідомлення 3. *Вісті Харків. ентомол. т-ва*. 2019. Т. XXVII, вип. 1. С. 5–24.

У статті наведено анотований список нових знахідок лускокрилих Національного природного парку «Дворічанський». Список містить 214 видів лускокрилих, з яких 174 види вперше вказуються для території парку, з них 116 видів — уперше для Харківської області, а 7 видів (*Monopis pallidella*, *Phyllonorycter cephalariae*, *Amseliphora saturatella*, *Caryocolum petryi*, *Blastobasis pannonica*, *Neopempelia hieroglyphella*, *Mythimna deserticola*) — уперше для України. Загалом у НПП «Дворічанський» відмічено 1 238 видів Lepidoptera, з яких 11 видів занесені до Червоної Книги України та 22 види — до Червоної Книги Харківської області.

20 рис., 32 назв.

Ключові слова: Lepidoptera, лускокрилі, фауна, крейдяні відслонення, Національний природний парк «Дворічанський».

Каролинский, Е. А., Демьяненко, С. А., Бидзиля, А. В., Будашкин, Ю. И., Гугля, Ю. А., Кавурка, В. В., Мушинский, В. Г., Жаков, А. В. К фауне чешуекрылых (Insecta: Lepidoptera) Национального природного парка «Дворечанский» (Харьковская область, Украина) и его окрестностей. Сообщение 3. *Изв. Харьк. энтотом. о-ва*. 2019. Т. XXVII, вып. 1. С. 5–24.

В статье приводится аннотированный список новых находок видов чешуекрылых Национального природного парка «Дворечанский». Список включает в себя 214 видов чешуекрылых, из которых 174 вида впервые приводятся для территории парка, из них 116 видов — впервые для Харьковской области, а 7 видов (*Monopis pallidella*, *Phyllonorycter cephalariae*, *Amseliphora saturatella*, *Caryocolum petryi*, *Blastobasis pannonica*, *Neopempelia hieroglyphella*, *Mythimna deserticola*) — впервые для фауны Украины. Всего в НПП «Дворечанский» отмечено 1 238 видов Lepidoptera, из которых 11 видов внесены в Красную Книгу Украины и 22 вида — в Красную Книгу Харьковской области.

20 рис., 32 назв.

Ключевые слова: Lepidoptera, чешуекрылые, фауна, меловые обнажения, Национальный природный парк «Дворечанский».

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An annotated list of new records of butterflies and moths of the National Nature Park 'Dvorichanskyi' is provided. The list includes 214 species, of which 174 are registered in the park for the first time, 116 are new records for Kharkiv Region, and 7 (*Monopis pallidella*, *Phyllonorycter cephalariae*, *Amseliphora saturatella*, *Caryocolum petryi*, *Blastobasis pannonica*, *Neopempelia hieroglyphella*, *Mythimna deserticola*) are new for Ukraine. Totally there are 1,238 species of Lepidoptera registered in the National Nature Park 'Dvorichanskyi'. There are 11 species from the Red Data Book of Ukraine and 22 species from the Red Data Book of Kharkiv Region of Ukraine registered in the park.

20 figs, 32 refs.

Keywords: Lepidoptera, butterflies and moths, fauna, limestone outcrops, National Nature Park 'Dvorichanskyi'.

Introduction. This paper is a third contribution towards inventory of Lepidoptera of the National Nature Park (NNP) 'Dvorichanskyi' and its close environs. In our second paper (Karolinskiy et al., 2018), 1,065 species of Lepidoptera were recorded for the park. However, these data are only preliminary, and the species diversity of the study area is much higher. The examination of new material collected by us resulted in the

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discovery of 174 additional species, 116 of which were recorded for the first time for the Kharkiv Region, and 7 species turned out to be new for Ukraine. We exclude 2 species, *Blastobasis phycidella* (Zeller, 1839) and *Ancylis paludana* (Barrett, 1871), from the fauna of the park due to misidentification (the correct determination is *Blastobasis pannonica* Šumpich et Liška, 2011 and *Ancylis apicella* ([Denis et Schiffermüller], 1775) resp.). Currently, the list of Lepidoptera of NNP ‘Dvorichanskiy’ and its environs consists of 1,238 species.

Materials and methods. This paper is based on the material collected and observed by the authors, as well as V. Kletenkin, O. Novikov and S. Tsykal, during the period from April to September 2018. We also include some previously unreported data for 2016 and 2017.

The material was observed and collected via daytime catching by a net, attracting by light (125W, 160W, and 250W mercury-vapor lamps, 8W and 26W fluorescent UV lamps) and photographing.

The determination of the material was carried out by the authors. The determination by photographs was carried out only for species with distinct differences in habitus. In difficult cases, the determination was made by genitalia prepared by maceration in 8–12% NaOH solution.

The material collected by V. Mushinskiy and A. Zhakov is kept by the authors; Tortricidae are in the collection of I. I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine; other ‘microlepidoptera’ except Pyraloidea are in the collection of Institute for Evolutionary Ecology of the National Academy of Sciences of Ukraine; the rest of the material is in the collection of Museum of Nature of the Vasyl Karazin Kharkiv National University.

Places of observation, dates and collectors (for attracting by light): **Novomlynsk** (49.88°N, 37.73°E) — further in the text ‘**N.**’ — 28–29.07.2016 (S. Demyanenko), 29.04.2017 (S. Demyanenko, Ye. Karolinskiy), 31.05.2017 (Ye. Karolinskiy), 05–06.06.2017 (S. Demyanenko, Ye. Karolinskiy), 07.06.2017 (S. Demyanenko, Ye. Karolinskiy, O. Novikov), 09.06.2017 (S. Demyanenko), 14–15.07.2017 (S. Demyanenko, Ye. Karolinskiy), 01.08.2017 (Ye. Karolinskiy), 11–12.08.2017 (S. Demyanenko), 22.08.2017 (Ye. Karolinskiy, O. Novikov), 24.08.2017 and 26.08.2017 (S. Demyanenko, Ye. Karolinskiy), 17–18.09.2017 (S. Demyanenko), 14.04.2018 (Ye. Karolinskiy, O. Novikov), 20.05.2018 (Ye. Karolinskiy, O. Novikov), 02–03.06.2018 (Ye. Karolinskiy), 15.06.2018 and 17.06.2018 (S. Demyanenko, Ye. Karolinskiy), 29–30.06.2018 (S. Demyanenko), 01.07.2018 (S. Demyanenko, Ye. Karolinskiy), 16.07.2018 (Ye. Karolinskiy), 29.07.2018 (S. Demyanenko), 21–22.09.2018 (S. Demyanenko); NNP ‘Dvorichanskiy’, 3 km NNE of Novomlynsk, ‘**Berezki**’ (49.912°N, 37.756°E) — further in the text ‘**B.**’ — 04.06.2016 (V. Mushinskiy, O. Zhakov), 19–20.05.2017 (Ye. Karolinskiy, V. Kletenkin, V. Mushinskiy, O. Novikov, O. Zhakov), 17–18.06.2017 (Ye. Karolinskiy, V. Mushinskiy, O. Novikov, O. Zhakov), 19–21.07.2017 (Ye. Karolinskiy, V. Mushinskiy, A. Tupikov, O. Zhakov), 30.07.2018 (S. Demyanenko, Ye. Karolinskiy, V. Mushinskiy, O. Novikov); NNP ‘Dvorichanskiy’, 4.8 km NNE of Novomlynsk, gulch ‘**Shlagbaumnaya**’ (49.930°N, 37.751°E) — further in the text ‘**Sh.**’ — 31.07.2018 (S. Demyanenko, Ye. Karolinskiy, V. Mushinskiy, O. Novikov), 01.08.2018 (Ye. Karolinskiy, V. Mushinskiy); NNP ‘Dvorichanskiy’, 1.7 km NNE of Novomlynsk, gulch ‘**Sosnovaya**’ (49.900°N, 37.750°E) — further in the text ‘**S.**’ — 02.07.2018 (Ye. Karolinskiy, S. Tsykal); NNP ‘Dvorichanskiy’, 2 km NNE of Novomlynsk, gulch ‘**Mogila the 1st**’ (49.902°N, 37.751°E) — further in the text ‘**M.**’ — 30.04.2017 (S. Demyanenko, Ye. Karolinskiy), 07.05.2017 and 01.06.2017 (Ye. Karolinskiy), 06.06.2017 (S. Demyanenko, Ye. Karolinskiy), 03.07.2017 (Ye. Karolinskiy, O. Novikov), 06.07.2017 (Ye. Karolinskiy), 15.07.2017 (S. Demyanenko, Ye. Karolinskiy), 03.08.2017 (Ye. Karolinskiy), 26.08.2017 (S. Demyanenko, Ye. Karolinskiy), 23–24.09.2017 (Ye. Karolinskiy, O. Novikov), 15–16.04.2018 (Ye. Karolinskiy, O. Novikov), 29–30.04.2018, 19.05.2018 and 04.06.2018 (Ye. Karolinskiy), 16.06.2018 and 01.07.2018 (S. Demyanenko, Ye. Karolinskiy), 04.07.2018, 18.07.2018, 08.08.2018, 22.08.2018 and 08.09.2018 (Ye. Karolinskiy); NNP ‘Dvorichanskiy’, 2.5 km E of Krasnoe Pervoe, ‘**Mantisovka**’ (49.944°N, 37.796°E) — further in the text ‘**Mn.**’ — 17.07.2017 (Ye. Karolinskiy, O. Novikov).

Daytime collecting and recording were conducted mainly on the above dates (for other dates the collector’s name is indicated in the text) at the following locations: right bank of Oskol River in **Novomlynsk** and its northern environs (49.87–89°N, 37.72–74°E) — further in the text ‘**d–N.**’; NNP ‘Dvorichanskiy’, right bank of Oskol River between **Novomlynsk** and **Krasnoe Pervoe** (49.89–94°N, 37.74–78°E) — further in the text ‘**d–N.–Kr.**’; NNP ‘Dvorichanskiy’, right bank of Oskol River between **Kamianka** and **Krasnoe Pervoe** (49.94–97°N, 37.78–83°E) — further in the text ‘**d–Kam.–Kr.**’.

In the list below an asterisk (*) indicates a species new for NNP ‘Dvorichanskiy’ and its environs; two asterisks (**) — a species new for the Kharkiv region as a whole; three asterisks (***) — a species new for Ukraine. For the species new for Ukraine, their general distribution is given. The species without asterisks were already registered in the environs of NNP ‘Dvorichanskiy’, i. e., in Novomlynsk and its northern surroundings (Karolinskiy et al., 2017, 2018), and now we register these species strictly at the territory of NNP.

The system of Lepidoptera follows Nieuwerkerken et al. (2011) and Heikkilä et al. (2014), and that of Coleophoridae follows Budashkin and Pusanov (2017).

Results.

Infraorder HETERONEURA Tillyard, 1918

Superfamily NEPTICULOIDEA Stainton, 1854

Family NEPTICULIDAE Stainton, 1854

Stigmella aceris (Frey, 1857)

Material. d–N.–Kr., 16.06.2018 — 2 mines on *Acer tataricum*, 17.06.2018 — 5 mines on *Acer platanoides*, 01.08.2018 — 3 mines on *Acer platanoides*.

***Stigmella trimaculella* (Haworth, 1828)

Material. M., 03.08.2017 — 1 ♂.

***Stigmella lemniscella* (Zeller, 1839)

Material. d–N., 29.06.2018 — 1 mine on *Ulmus* sp.

**Stigmella basiguttella* (Heinemann, 1862)

Material. d–N.–Kr., 22.09.2018 — 1 mine on *Quercus robur*.

Superfamily ADELOIDEA Bruand, 1850

Family ADELIDAE Bruand, 1850

**Nemophora fasciella* (Fabricius, 1775)

Material. d–N.–Kr., 17–18.06.2017 — 2 ♀♀, 16.06.2018 — 1 ♂.

***Nemophora minimella* ([Denis et Schiffermüller], 1775)

Material. d–N.–Kr., 15.07.2017 — 1 ♂.

***Adela violella* ([Denis et Schiffermüller], 1775)

Material. d–N.–Kr., 17–18.06.2018 — about 30 sp. (6 ♂♂ coll.).

***Adela reamurella* (Linnaeus, 1758)

Material. d–N.–Kr., 29.04.2018 — 5 sp. (1 ♂ coll.).

***Cauchas rufimitrella* (Scopoli, 1763)

Material. d–N.–Kr., 13.05.2018 (O. Novikov) — 1 sp.

Superfamily TISCHERIOIDEA Spuler, 1898

Family TISCHERIIDAE Spuler, 1898

**Tischeria ekebladella* (Bjerkander, 1795)

Material. d–N.–Kr., 22.09.2018 — 10 mines on *Quercus robur*.

***Tischeria dodonaea* Stainton, 1858

Material. d–N.–Kr., 22.09.2018 — 4 mines on *Quercus robur*.

***Tischeria decidua* Wocke, 1876

Material. d–N.–Kr., 22.09.2018 — 6 mines on *Quercus robur*.

***Coptotriche angusticollella* (Duponchel, [1843])

Material. Sh., 31.07.2018 — 1 ♂.

Superfamily TINEOIDEA Latreille, 1810

Family TINEIDAE Latreille, 1810

**** *Cephimallota crassiflavella* Bruand, 1850**

Material. B., 30.07.2018 — 1 ♂.

*** *Neurothaumasia ankerella* (Mann, 1867)**

Material. M., 18.07.2018 — 1 sp.; Sh., 31.07.2018 — 2 sp.; N., 29.07.2018 — 1 sp.

**** *Infurcitinea albicomella* (Stainton, 1851)**

Material. M., 18.07.2018 — 1 ♀.

***Monopis imella* (Hübner, [1813])**

Material. M., 08.08.2018 — 1 sp.; Sh., 31.07.2018 — 1 sp.

***** *Monopis pallidella* Zagulajev, 1955 (fig. 1–2, 15)**

Material. N., 15.06.2018 — 1 ♂.

Distribution. European Central, Central Volga, Volga-Don, West Caucasus, East Caucasus, South Ural, Southeast Siberian, Pribaikal, Transbaikal, and Primorye regions of Russia, Romania and Central Asia (Baryshnikova, 2008; Petersen, Gaedike, 1996; Zagulajev, 1960).

Superfamily GRACILLARIOIDEA Stainton, 1854

Family BUCCULATRICIDAE Fracker, 1915

*** *Bucculatrix bechsteinella* (Bechstein et Scharfenberg, 1805)**

Material. M., 29.04.2018 — 1 ♂, 19.05.2018 — 1 ♂; Sh., 01.08.2018 — 1 ♂; d–N.–Kr., 16.06.2018 — 1 mine on *Crataegus* sp.

**** *Bucculatrix thoracella* (Thunberg, 1794)**

Material. d–N.–Kr., 16.06.2018 — 7 mines on *Acer tataricum*.

**** *Bucculatrix rhamniella* Herrich-Schäffer, 1855**

Material. M., 15.07.2017 — 1 sp.; d–N.–Kr., 16.06.2018 — 1 mine on *Rhamnus cathartica*.

Family GRACILLARIIDAE Stainton, 1854

**** *Caloptilia fidella* (Reutti, 1853)**

Material. N., 29.07.2018 — 1 ♂.

**** *Euspilapteryx auroguttella* Stephens, 1835**

Material. Sh., 31.07.2018 — 1 sp.

***Calybites quadrisignella* (Zeller, 1839)**

Material. Sh., 31.07.2018 — 1 sp.

***** *Phyllonorycter cephalariae* (Lhomme, 1934) (fig. 3–4, 16)**

Material. M., 24.09.2017 — 1 ♂; N., 18.09.2017 — 1 ♂.

Distribution. Croatia, France and Greece (De Prins W., De Prins J., 2005), Portugal and Spain (Laštůvka A., Laštůvka Z., 2014).

*** *Phyllonorycter issikii* (Kumata, 1963)**

Material. SE env. of Novomlynsk, 21.09.2018 — about 100 mines of various stages of development on young trees of *Tilia cordata* (3 mines with pupae coll., 1 ♂ hatched on 06.10.2018).

**** *Phyllonorycter pyrifoliella* (Gerasimov, 1933)**

Material. M., 29.04.2018 — 1 ♀.

Superfamily YPONOMEUTOIDEA Stephens, 1829

Family YPONOMEUTIDAE Stephens, 1829

*****Paraswammerdamia nebulella* (Goeze, 1783)**

Material. M., 18.07.2018 — 2 ♂♂.

Family ARGYRESTHIIDAE Bruand, 1850

*****Argyresthia pruniella* (Clerck, 1759)**

Material. N., 17.06.2018 — 1 ♀.

*****Argyresthia spinosella* (Stainton, 1849)**

Material. N., 03.06.2018 — 1 sp.

Family YPSOLOPHIDAE Guenée, 1845

*****Ypsolopha vittella* (Linnaeus, 1758)**

Material. Sh., 31.07.2018 — 1 sp.

Family BEDELLIIDAE Meyrick, 1880

*****Bedellia somnulentella* (Zeller, 1847)**

Material. N., 22.09.2018 — 1 sp.

Family LYONETIIDAE Meyrick, 1880

****Leucoptera malifoliella* (O. Costa, 1836)**

Material. d–N. and d–N.–Kr., 22.09.2018 — mines on *Malus* sp.

*****Leucoptera heringiella* Toll, 1938**

Material. B., 30.07.2018 — 1 ♀.

Remarks. The second record for Ukraine. The species is not listed for Ukraine in Mey (1994, 2017), but its type locality currently is in Ternopil region of Ukraine (Toll, 1938).

Superfamily DOUGLASIOIDEA Heinemann et Wocke, 1876

Family DOUGLASIIDAE Heinemann et Wocke, 1876

*****Tinagma ocnerostomella* (Stainton, 1850)**

Material. B., 18.06.2017 — 1 ♀.

Superfamily GELECHIOIDEA Stainton, 1854

Family AUTOSTICHIDAE Le Marchand, 1947

*****Oegoconia deauratella* (Herrich–Schäffer, [1854])**

Material. M., 18.07.2018 — 1 ♀.

Family OECOPHORIDAE Bruand, 1850

*****Promalactis procerella* ([Denis et Schiffermüller], 1775)**

Material. N., 30.06.2018 — 1 sp.

*****Metalampra cinnamomea* (Zeller, 1839)**

Material. Sh., 31.07.2018 — 1 ♂.

*****Crassa unitella* (Hübner, [1796])**

Material. Sh., 31.07.2018 — 1 sp.; N., 30.06.2018 — 1 sp., 16.07.2018 — 1 sp.

***Epicallima formosella* ([Denis et Schiffermüller], 1775)**

Material. M., 01.07.2018 — 1 sp., 04.07.2018 — 2 sp.; d–N.–Kr., 17.06.2018 — 1 sp.

**** *Pleurota pyropella* (Linnaeus, 1767)**

Material. M., 04.07.2018 — 1 ♂; N., 03.06.2018 — 2 ♂♂.

**** *Pleurota aristella* (Linnaeus, 1767)**

Material. d–N., 29.06.2018 — 2 sp. (1 ♂ coll.).

Family DEPRESSARIIDAE Meyrick, 1883

Subfamily DEPRESSARIINAE Meyrick, 1883

**** *Semioscopis steinkellneriana* ([Denis et Schiffermüller], 1775)**

Material. M., 15.04.2018 — 1 ♀, 29.04.2018 — 1 sp.

**** *Luquetia lobella* ([Denis et Schiffermüller], 1775)**

Material. M., 04.06.2018 — 1 ♂; N., 15.06.2018 — 1 sp.

**** *Agonopterix cnicella* (Treitschke, 1832)**

Material. M., 08.09.2018 — 1 ♂.

**** *Agonopterix nervosa* (Haworth, [1811])**

Material. M., 16.06.2018 — 1 ♂.

**** *Depressaria albipunctella* ([Denis et Schiffermüller], 1775)**

Material. M., 30.04.2018 — 1 ♀.

Subfamily ETHMIINAE Busck, 1909

**** *Ethmia terminella* T. Fletcher, 1938**

Material. M., 16.06.2018 — 3 sp.; N., 15.06.2018 — 2 sp.

Family COLEOPHORIDAE Bruand, 1850

*** *Oedicaula serinipennella* (Christoph, 1872)**

Material. N., 09.06.2017 — 1 ♀.

**** *Amseliphora niveicostella* (Zeller, 1839)**

Material. N., 14.07.2017 — 1 sp., 30.06.2018 — 1 ♂.

**** *Amseliphora saturatella* (Stainton, 1850)**

Material. M., 04.07.2018 — 1 ♀.

Distribution. Southern and Central Europe, Asia Minor, Middle East, Altai (Baldizzone, 1996; Baldizzone, Van der Wolf, Landry, 2006). All references to this species for the Volga region (Anikin, Falkovitch, 1996(1997); Anikin, 2008; Anikin, Sachkov, Zolotuhin, 2017) require the investigation of the relevant factual material, since this species was mixed with a number of other closely related species. For example, in the Crimea and the steppe zone of Ukraine ('Kamennyie Mohyly' nature reserve) these records refer to *Amseliphora congeriella* (Staudinger, 1859) (Bidzilya et al., 2001; Budashkin, 2004, 2013; Budashkin, Falkovitch, 2007).

**** *Amseliphora coronillae* (Zeller, 1849)**

Material. N., 17.06.2018 — 1 ♀, 29.06.2018 — 1 sp.; d–N., 15.06.2018 — 1 ♂.

**** *Multicoloria vibicella* (Hübner, [1813])**

Material. S., 02.07.2018 — 1 sp.; d–N.–Kr., 21.05.2018 — about 10 cases on *Genista* sp. (2 cases coll., imago hatched on 14.06.2018 and 27.06.2018 (♀)).

**** *Multicoloria conspicuella* (Zeller, 1849)**

Material. M., 06.06.2017 — 1 sp., 06.07.2017 — 1 ♀.

**** *Multicoloria valesianella* (Zeller, 1849)**

Material. M., 16.06.2018 — 1 ♀; N., 28–29.07.2016 — 1 ♀.

*** *Damophila alcyonipennella* (Kollar, 1832)**

Material. Mn., 17.07.2017 — 1 ♀; N., 28–29.07.2016 — 1 ♀.

*** *Damophila trifolii* (Curtis, 1832)**

Material. M., 24.09.2017 — 1 ♀; S., 02.07.2018 — 1 sp.; N., 17.06.2018 — 1 sp.

*****Eupista ornatipennella* (Hübner, [1796])**

Material. N., 15.07.2017 — 1 ♂.

*****Eupista malatiella* (Toll, 1952)**

Material. N., 15.06.2018 — 1 ♀, 17.06.2018 — 1 sp.

*****Coleophora bernoulliella* (Goeze, 1783)**

Material. N., 09.06.2017 — 1 sp., 15.06.2018 — 1 sp.

*****Orthographis auricella* (Fabricius, 1794)**

Material. M., 01.06.2017 — 1 ♂, 01.07.2018 — 1 ♀ and 1 sp.; N., 06.06.2017 — 1 sp.

*****Orthographis chamaedriella* (Bruand, 1851)**

Material. M., 03.07.2017 — 1 ♂.

***Vladdelia niveistrigella* (Wocke, 1876)**

Material. B., 30.07.2018 — 2 sp.; S., 02.07.2018 — 1 ♂.

*****Casignetella obscenella* (Herrich-Schäffer, [1855])**

Material. M., 08.08.2018 — 1 ♀, 22.08.2018 — 1 sp.

*****Casignetella vestianella* (Linnaeus, 1758)**

Material. N., 28–29.07.2016 — 1 ♂ and 1 sp.

*****Casignetella saxicolella* (Duponchel, 1843)**

Material. N., 11–12.08.2017 — 1 ♂, 24.08.2017 — 1 sp.

*****Casignetella amellivora* (Baldizzone, 1979)**

Material. M., 30.04.2017, 07.05.2017, 01.06.2017, 06.06.2017, 19.05.2018, 01.07.2018, 18.07.2018 — 11 ♂♂ and 2 sp.; d–N.–Kr., 30.04.2017 — 1 ♂.

*****Carpochena binotapennella* (Duponchel, 1843)**

Material. N., 28–29.07.2016 — 2 sp., 14.07.2017 — 1 sp.

*****Carpochena squalorella* (Zeller, 1849)**

Material. N., 01.08.2017, 24.08.2017 — 2 sp.

*****Ionescumia clypeiferella* (Hofmann, 1871)**

Material. Sh., 01.08.2018 — 1 sp.

Family COSMOPTERIGIDAE Heinemann et Wocke, 1876

*****Sorhagenia rhamniella* (Zeller, 1839)**

Material. M., 04.06.2018 — 1 ♂ and 1 ♀, 16.06.2018 — 1 ♂, 18.07.2018 — 1 ♀.

*****Vulcaniella grandiferella* Sinev, 1986**

Material. B., 18.06.2017 — 1 ♂; M., 19.05.2018 — 1 ♂, 16.06.2018 — 1 ♂.

Family GELECHIIDAE Stainton, 1854

*****Aristotelia subericinella* (Duponchel, 1843)**

Material. B., 17.06.2017 — 1 ♂; M., 26.08.2017 — 1 ♀, 08.09.2018 — 2 ♀♀; Sh., 31.07.2018 — 3 ♂♂ and 2 ♀♀; S., 02.07.2018 — 1 ♂; N., 24.08.2017 — 1 ♂.

*****Isophrictis striatella* ([Denis et Schiffermüller], 1775)**

Material. M., 04.07.2018 — 1 ♀; Sh., 31.07.2018 — 1 ♀.

*****Metzneria metzneriella* (Stainton, 1851)**

Material. S., 02.07.2018 — 1 ♂; N., 17.06.2018, 29.06.2018 — 2 ♂♂ and 1 ♀.

*****Monochroa sepicolella* (Herrich-Schäffer, [1854])**

Material. M., 06.06.2017 — 1 ♂.

*****Monochroa lutulentella* (Zeller, 1839)**

Material. N., 17.06.2018 — 1 ♂.

**** *Monochroa lucidella* (Stephens, 1834)**

Material. N., 15.06.2018 — 1 ♀.

**** *Bryotropha senectella* (Zeller, 1839)**

Material. N., 16.07.2018 — 1 ♂.

*** *Recurvaria nanella* ([Denis et Schiffermüller], 1775)**

Material. M., 16.06.2018 — 1 sp., 01.07.2018 — 1 sp., 04.07.2018 — 1 ♂, 18.07.2018 — 1 sp.

**** *Teleiodes vulgella* ([Denis et Schiffermüller], 1775)**

Material. M., 04.06.2018 — 1 ♀.

**** *Carpatolechia fugacella* (Zeller, 1839)**

Material. N., 30.06.2018 — 1 ♀.

**** *Carpatolechia notatella* (Hübner, [1813])**

Material. N., 03.06.2018 — 1 ♀.

**** *Carpatolechia aenigma* (Sattler, 1983)**

Material. Sh., 31.07.2018 — 2 ♀♀.

*** *Gelechia scotinella* Herrich-Schäffer, [1854]**

Material. M., 16.06.2018 — 1 ♀, 18.07.2018 — 1 ♀; Sh., 31.07.2018, 01.08.2018 — 3 ♂♂; N., 22.08.2017 — 1 ♀, 29.07.2018 — 1 sp.

**** *Mirificarma cytisella* (Treitschke, 1833)**

Material. B., 30.07.2018 — 1 sp.

*** *Chionodes distinctella* (Zeller, 1839)**

Material. N., 15.06.2018 — 1 ♀, 16.07.2018 — 1 ♂.

**** *Aroga flavicomella* (Zeller, 1839)**

Material. B., 19–20.05.2017 — 1 ♂.

**** *Athrips rancidella* (Herrich-Schäffer, [1854])**

Material. S., 02.07.2018 — 1 ♂; N., 29.06.2018 — 1 ♀; d-N., 29.06.2018 — 1 ♀.

**** *Scrobipalpa acuminatella* (Sircom, 1850)**

Material. B., 19–20.05.2017 — 1 ♂.

***Scrobipalpa proclivella* (Fuchs, 1886)**

Material. Sh., 31.07.2018 — 1 ♀.

**** *Scrobipalpa clintoni* (Povolný, 1968)**

Material. N., 24.08.2017 — 1 ♀.

*** *Scrobipalpa obsoletella* (Fischer von Röslerstamm, 1841)**

Material. M., 19.05.2018 — 1 ♀; N., 24.08.2017 — 1 ♀, 17.09.2017 — 1 ♂, 20.05.2018 — 1 ♂.

**** *Scrobipalpa karadaghi* (Povolný, 2001)**

Material. M., 07.05.2017 — 1 ♂, 30.04.2018 — 4 ♂♂, 01.07.2018, 04.07.2018, 18.07.2018 — 4 ♂♂.

*** *Scrobipalpa atriplicella* (Fischer von Röslerstamm, 1841)**

Material. N., 22.08.2017 — 2 ♀♀, 24.08.2017 — 1 ♂ and 1 ♀.

**** *Scrobipalpa bryophiloides* (Povolný, 1966)**

Material. B., 04.06.2016 — 1 ♂.

***Scrobipalpa ocellatella* (Boyd, 1858)**

Material. B., 30.07.2018 — 1 ♀; M., 23.09.2017 — 2 ♀♀, 08.08.2018, 22.08.2018, 08.09.2018 — 5 ♂♂ and 1 ♀; Sh., 31.07–01.08.2018 — 2 ♂♂.

**** *Scrobipalpa samadensis* (Pfaffenzeller, 1870)**

Material. M., 04.06.2018, 01.07.2018, 18.07.2018, 22.08.2018 — 1 ♂ and 3 ♀♀, 08.09.2018 — 2 ♀♀; S., 02.07.2018 — 1 ♀; N., 05.06.2017 — 1 ♀, 02.06.2018 — 1 ♂.

*****Scrobipalpus tussilaginis* (Frey, 1867)**

Material. M., 30.04.2017 — 1 ♀.

******Caryocolum petryi* (O. Hofmann, 1899) (fig. 5–8, 17)**

Material. M., 04.07.2018, 08.08.2018, 22.08.2018 — 1 ♂ and 2 ♀♀; N., 22.08.2017, 24.08.2017, 26.08.2017 — 3 ♂♂ and 1 ♀.

Distribution. Scattered records from the Pyrenees, the Alps, Germany, Hungary and some localities in northern Europe (Finland, Sweden, Latvia and Lithuania); also known from Mongolia, southern Ural Mountains and Transbaikal region of Russia (Huemer, Karsholt, 2010).

*****Approaerema coronilella* (Treitschke, 1833)**

Material. M., 24.09.2017 — 1 ♂.

*****Approaerema sangiella* (Stainton, 1863)**

Material. N., 05.06.2017 — 1 ♂.

*****Approaerema wormiella* (Wolff, 1958)**

Material. B., 19–20.05.2017 — 1 ♀; M., 16.06.2018 — 1 ♂; N., 11–12.08.2017 — 2 ♂♂.

*****Approaerema vinella* (Bankes, 1898)**

Material. M., 07.05.2017 — 1 ♂, 15.07.2017 — 1 ♂, 04.07.2018 — 2 ♂♂; N., 31.05.2017 — 1 ♂.

*****Approaerema linella* (Chrétien, 1904)**

Material. B., 19–20.05.2017 — 2 ♂♂; M., 30.04.2017 — 3 ♂♂.

****Anarsia lineatella* Zeller, 1839**

Material. M., 04.06.2018, 18.07.2018 — 1 ♂ and 1 ♀; Sh., 01.08.2018 — 1 ♂; N., 15.06.2018 — 1 sp.

*****Acompsia cinerella* (Clerck, 1759)**

Material. Sh., 01.08.2018 — 1 ♂.

Family ELACHISTIDAE Bruand, 1850

*****Elachista obliquella* Stainton, 1854**

Material. S., 02.07.2018 — 1 ♀.

*****Elachista dumosa* Parenti, 1981**

Material. M., 06.06.2017 — 1 ♂; N., 20.05.2018 — 1 ♂.

*****Elachista heringi* Rebel, 1899**

Material. M., 01.06.2017 — 1 ♂, 16.06.2018 — 1 ♂.

*****Elachista pollutella* Duponchel, [1844]**

Material. N., 29.04.2017 — 2 ♂♂.

*****Biselachista utonella* (Frey, 1856)**

Material. N., 29.06.2018 — 1 ♀.

Family SCYTHRIDIDAE Rebel, 1901

*****Scythris seliniella* (Zeller, 1839)**

Material. B., 18.06.2017 — 3 ♂♂.

***Scythris limbella* (Fabricius, 1775)**

Material. Sh., 31.07.2018 — 1 sp.

*****Scythris tributella* (Zeller, 1847)**

Material. B., 30.07.2018 — 1 ♂ and 2 ♀♀.

Family BLASTOBASIDAE Meyrick, 1894

******Blastobasis pannonica* Šumpich et Liška, 2011 (fig. 9–10, 18)**

Material. Mn., 17.07.2017 — 1 ♂; N., 22.09.2018 — 1 ♂.

Distribution. Czech Republic, Slovakia, Hungary and Slovenia (Šumpich, 2011), Austria (Huemer, 2013), Orenburg province of Russia (Šumpich, Skyva, 2012).

Family MOMPHIDAE Herrich–Schäffer, 1857

*****Mompha miscella* ([Denis et Schiffermüller], 1775)**

Material. M., 19.05.2018 — 1 ♂.

*****Mompha subbistrigella* (Haworth, 1828)**

Material. N., 30.06.2018 — 1 ♀.

Superfamily PTEROPHOROIDEA Latreille, 1802

Family PTEROPHORIDAE Latreille, 1802

***Oxyptilus parvidactyla* (Haworth, [1811])**

Material. Sh., 31.07.2018 — 1 ♂.

*****Procapperia linariae* (Chrétien, 1922)**

Material. M., 16.06.2018 — 1 ♂, 18.07.2018 — 1 ♀, 22.08.2018 — 1 ♀; S., 02.07.2018 — 1 ♂.

*****Procapperia maculata* (Constant, 1865)**

Material. M., 18.07.2018 — 1 ♂ and 1 ♀; B., 30.07.2018 — 1 ♀.

****Adaina microdactyla* (Hübner, [1813])**

Material. N., 29.07.2018 — 1 ♀.

****Hellinsia didactylites* (Ström, 1783)**

Material. S., 02.07.2018 — 1 ♂.

****Merrifieldia tridactyla* (Linnaeus, 1758)**

Material. M., 04.06.2018 — 1 ♀.

Superfamily TORTRICOIDEA Latreille, 1802

Family TORTRICIDAE Latreille, 1802

Subfamily TORTRICINAE Latreille, 1802

****Acleris kochiella* (Goeze, 1783)**

Material. N., 17.06.2018 — 1 ♂.

***Phtheochroa sodaliana* (Haworth, [1811])**

Material. B., 19–21.07.2017 — 1 ♀.

***Cochylimorpha straminea* (Haworth, [1811])**

Material. M., 04.06.2018 — 1 ♂, 08.08.2018 — 1 ♂.

****Aethes margarotana* (Clerck, 1759)**

Material. B., 19–21.07.2017 — 1 ♀; d–N.–Kr., 29.04.2018 — 1 ♂.

****Aethes smeathmanniana* (Fabricius, 1781)**

Material. Sh., 31.07.2018 — 1 ♂, 01.08.2018 — 1 ♂.

****Aethes flagellana* (Duponchel, 1836)**

Material. B., 19–21.07.2017 — 1 ♂.

*****Aethes beatricella* (Walsingham, 1898)**

Material. N., 30.06.2018 — 1 ♀.

***Aethes francillana* (Fabricius, 1794)**

Material. B., 19–21.07.2017 — 2 ♂♂.

***Falseuncaria degreyana* (McLachlan, 1869)**

Material. M., 30.04.2018 — 1 ♂.

**** *Cnephasia genitalana* Pierce et Metcalfe, 1915**

Material. B., 19–21.07.2017 — 1 ♀; M., 04.06.2018 — 1 ♀.

**** *Oporopsamma wertheimsteini* (Rebel, 1913)**

Material. M., 08.09.2018 — 3 sp. (1 ♀ coll.).

***Pandemis cerasana* (Hübner, 1796)**

Material. Sh., 01.08.2018 — 1 ♂.

***Adoxophyes orana* (Fischer von Röslerstamm, 1834)**

Material. Sh., 31.07.2018 — 1 ♂, 01.08.2018 — 1 ♂.

Subfamily OLETHREUTINAE Walsingham, 1895

*** *Bactra lacteana* Caradja, 1916**

Material. N., 30.06.2018 — 1 ♀.

*** *Endothenia ustulana* (Haworth, [1811])**

Material. B., 30.07.2018 — 1 ♂; S., 02.07.2018 — 1 ♂.

*** *Eudemis profundana* ([Denis et Schiffermüller], 1775)**

Material. B., 30.07.2018 — 1 ♂.

***Apotomis semifasciana* (Haworth, [1811])**

Material. M., 04.06.2018 — 1 ♂.

*** *Eucosma obumbratana* (Lienig et Zeller, 1846)**

Material. N., 29.07.2018 — 1 ♂.

***Eucosma tundrana* (Kennel, 1900)**

Material. Sh., 31.07–01.08.2018 — 2 sp. (1 ♂ coll.).

*** *Eucosma pupillana* (Clerck, 1759)**

Material. Sh., 01.08.2018 — 1 ♂; N., 29.06.2018 — 1 sp.

*** *Rhyacionia buoliana* ([Denis et Schiffermüller], 1775)**

Material. M., 16.06.2018 — 1 ♂.

*** *Rhyacionia pinicolana* (Doubleday, 1849)**

Material. N., 29.06.2018 — 1 sp.

***Grapholita funebrana* (Treitschke, 1835)**

Material. M., 19.05.2018 — 1 ♂.

*** *Grapholita janthinana* (Duponchel, [1835])**

Material. S., 02.07.2018 — 1 ♂.

*** *Cydia amplana* (Hübner, [1800])**

Material. Sh., 31.07–01.08.2018 — 8 sp. (2 ♂♂ and 1 ♀ coll.).

Superfamily COSSOIDEA Leach, 1815

Family COSSIDAE Leach, 1815

*** *Acosus terebra* ([Denis et Schiffermüller], 1775)**

Material. N., 29.06.2018 — 1 sp.

Family SESIIDAE Boisduval, 1828

**** *Bembecia megillaeformis* (Hübner, [1813])**

Material. d–N.–Kr., 31.07.2018 (V. Kletenkin) — 1 ♀.

**** *Chamaesphecia bibioniformis* (Esper, 1800)**

Material. d–N., 29.06.2018 — 1 ♂.

Superfamily ZYGAENOIDEA Latreille, 1809

Family ZYGAENIDAE Latreille, 1809

*** *Rhagades pruni* ([Denis et Schiffermüller], 1775)**

Material. d–N., 29.06.2018 — 1 ♀.

**** *Zygaena punctum* Ochsenheimer, 1808**

Material. d–N.–Kr., 30.06.2018 — 1 dead sp.

Superfamily PAPILIONOIDEA Latreille, 1802

Family HESPERIIDAE Latreille, 1809

*** *Muschampia tessellum* (Hübner, [1808–1813])**

Material. d–N.–Kr., 01.08.2018 — 1 ♂.

Family PIERIDAE Swainson, 1820

*** *Colias croceus* (Geoffroy in Fourcroy, 1785)**

Material. d–N.–Kr., 09.08.2018 — 1 ♂.

Family LYCAENIDAE Leach, 1815

*** *Satyrium w-album* (Knoch, 1782)**

Material. d–N.–Kr., 16.06.2018 (D. Demchenko) — 1 ♀.

Family NYMPHALIDAE Rafinesque, 1815

***Lasiommata maera* (Linnaeus, 1758)**

Material. d–N.–Kr., 31.07–02.08.2018 — 5 sp.

Superfamily PYRALOIDEA Latreille, 1809

Family PYRALIDAE Latreille, 1809

*** *Aglossa pinguinalis* (Linnaeus, 1758)**

Material. N., 01.07.2018 — 1 sp. indoors.

**** *Hypsopygia rubidalis* ([Denis et Schiffermüller], 1775)**

Material. S., 02.07.2018 — 1 ♂.

***Galleria mellonella* (Linnaeus, 1758)**

Material. Sh., 01.08.2018 — 1 sp.

***Epischnia illotella* Zeller, 1847**

Material. M., 22.08.2018 — 1 ♀.

**** *Elegia fallax* (Staudinger, 1881)**

Material. Sh., 01.08.2018 — 1 ♂.

***** *Neopempelia hieroglyphella* (Ragonot, 1887) (fig. 11–12, 19)**

Material. N., 30.06.2018 — 1 ♀.

Distribution. NE Iran (Ragonot, 1887; Amsel, 1954), Astrakhan province of Russia (Trofimova, 2010).

***Ephestia elutella* (Hübner, [1796])**

Material. M., 08.08.2018 — 1 ♀, 22.08.2018 — 2 ♀♀.

***Hypsotropa unipunctella* Ragonot, 1888**

Material. B., 21.07.2017 — 1 ♂.

Family CRAMBIDAE Latreille, 1810

***Scoparia subfusca* Haworth, [1811]**

Material. M., 04.06.2018 — 2 sp. (1 ♀ coll.), 08.09.2018 — 1 sp.

*****Chilo christophi* Bleszyński, 1965**

Material. B., 20.05.2017 — 1 ♀; N., 07.06.2017 — 1 ♀.

*****Euchromius gratiosella* (Caradja, 1910)**

Material. N., 30.06.2018 — 2 ♀♀.

***Crambus pratella* (Linnaeus, 1758)**

Material. M., 04.06.2018 — 1 sp.

***Catoptria lythargyrella* (Hübner, [1796])**

Material. d-N.-Kr., 26.08.2017 — 1 sp.

*****Aporodes floralis* (Hübner, [1809])**

Material. M., 16.06.2018 — 2 sp.; N., 15.06.2018 — 2 sp., 30.06.2018 — 2 sp.

*****Eurrhysis pollinalis* ([Denis et Schiffermüller], 1775)**

Material. d-N., 17.06.2018 — 1 sp., 08.09.2018 — 1 sp.

****Pyrausta purpuralis* (Linnaeus, 1758)**

Material. N., 17.06.2018 — 1 sp.

***Anania coronata* (Hufnagel, 1767)**

Material. Sh., 01.08.2018 — 2 sp.

***Udea languidalis* (Eversmann, 1842)**

Material. M., 18.07.2018 — 1 sp.; S., 02.07.2018 — 2 sp.

Superfamily BOMBYCOIDEA Latreille, 1802

Family SPHINGIDAE Latreille, 1802

***Hyles hippophaes* (Esper, [1789])**

Material. Sh., 01.08.2018 — 1 sp.

Superfamily GEOMETROIDEA Leach, 1815

Family GEOMETRIDAE Leach, 1815

Subfamily ENNOMINAE Duponchel, 1845

*****Crocallis tusciaria* (Borkhausen, 1793)**

Material. N., 21.09.2018 — 1 sp.

****Colotois pennaria* (Linnaeus, 1761)**

Material. N., 21–22.09.2018 — 1 ♂.

****Biston strataria* (Hufnagel, 1767)**

Material. N., 14.04.2018 — 1 sp.

***Cleora cinctaria* ([Denis et Schiffermüller], 1775)**

Material. M., 16.04.2018 — 2 sp.

Subfamily STERRHINAE Meyrick, 1892

*****Idaea fuscovenosa* (Goeze, 1871)**

Material. M., 04.07.2018 — 1 sp.; d-N., 29.06.2018 — 1 sp.

Subfamily LARENTIINAE Duponchel, 1845

**** *Xanthorhoe biriviata* (Borkhausen, 1794)**

Material. N., 17.06.2018 — 1 sp.

**** *Trichopteryx carpinata* (Borkhausen, 1794)**

Material. M., 16.04.2018 — 1 sp.

**** *Eupithecia valerianata* (Hübner, [1813])**

Material. N., 17.06.2018 — 1 ♀.

***Eupithecia assimilata* Doubleday, 1856**

Material. M., 18.07.2018 — 1 ♂.

Superfamily NOCTUOIDEA Latreille, 1809

Family EREBIDAE Leach, 1815

Subfamily ARCTIINAE Leach, [1815]

*** *Eilema lurideola* ([Zincken], 1817)**

Material. N., 15.06.2018 — 1 sp., 17.06.2018 — 1 ♂.

*** *Eilema pseudocomplana* (Daniel, 1939)**

Material. B., 30.07.2018 — 3 sp. coll.; Sh., 31.07–01.08.2017 — about 30 sp. (1 ♂ coll.).

Family NOCTUIDAE Latreille, 1809

Subfamily ACRONICTINAE Heinemann, 1859

***Acronicta psi* (Linnaeus, 1758)**

Material. M., 19.05.2018 — 1 ♀; Sh., 01.08.2018 — 1 ♀.

*** *Acronicta leporina* (Linnaeus, 1758)**

Material. Sh., 01.08.2018 — 1 sp.

Subfamily METOPONIINAE Herrich–Schäffer, [1851]

*** *Aegle kaekeritziana* (Hübner, [1809])**

Material. N., 15.06.2018 — 1 sp.

Subfamily AMPHIPYRINAE Guenée, 1837

***Amphipyra pyramidea* (Linnaeus, 1758)**

Material. S., 02.07.2018 — 1 sp.; Sh., 01.08.2018 — 1 sp.

*** *Amphipyra tetra* (Fabricius, 1787)**

Material. M., 08.09.2018 — 1 sp.

Subfamily XYLENINAE Guenée, 1837

*** *Caradrina albina* Eversmann, 1848**

Material. N., 22.09.2018 — 1 sp.

***Caradrina selini* Boisduval, 1840**

Material. M., 04.06.2018 — 3 sp., 16.06.2018 — 2 sp.

*** *Hoplodrina superstes* (Ochsenheimer, 1816)**

Material. Sh., 31.07.2018 — 1 sp.

*** *Agrochola lota* (Clerck, 1759)**

Material. N., 21–22.09.2018 — 1 sp.

***Eupsilia transversa* (Hufnagel, 1766)**

Material. M., 29.04.2018 — 1 sp.

* *Apterogenum ypsilon* ([Denis et Schiffermüller], 1775)

Material. N., 15.06.2018 — 1 sp.

* *Mesogona oxalina* (Hübner, [1800–1803])

Material. M., 08.09.2018 — 1 sp.

Lenisa geminipuncta (Haworth, [1809])

Material. B., 30.07.2018 — 2 sp.

Globia sparganii (Esper, 1790)

Material. B., 30.07.2018 — 1 sp.

* *Apamea oblonga* (Haworth, [1809])

Material. N., 29.07.2018 — 1 sp.; B., 30.07.2018 — 1 sp.

* *Oligia strigilis* (Linnaeus, 1758)

Material. N., 15.06.2018 — 1 ♂.

Subfamily HADENINAE Guenée, 1837

* *Anarta dianthi* (Tauscher, 1809)

Material. Sh., 31.07.2018 — 1 sp.

*** *Mythimna deserticola* (Bartel, 1903) (fig. 13–14, 20)

Material. N., 05.06.2017 — 1 sp., 07.06.2017 — 1 sp., 09.06.2017 — 1 sp., 15.06.2018 — 1 ♂ and 2 ♀♀, 17.06.2018 — 1 ♂ and 1 ♀.

Distribution. From SE Europe (S. Ural) to Dauria and Central Mongolia, also found in the Central Asian mountain system (Hacker, Ronkay, Hreblay, 2002).

** *Mythimna alopecuri* (Boisduval, 1840)

Material. Sh., 01.08.2018 — 3 sp.

Orthosia incerta (Hufnagel, 1766)

Material. M., 15–16.04.2018 — 3 sp.

* *Orthosia cerasi* (Fabricius, 1775)

Material. N., 14.04.2018 — 2 sp.

Orthosia gothica (Linnaeus, 1758)

Material. M., 15.04.2018 — 2 sp., 30.04.2018 — 1 sp.

Subfamily NOCTUINAE Latreille, 1809

* *Euxoa tritici* (Linnaeus, [1760]) s. l.

Material. B., 19–21.07.2017 — 1 ♀; S., 02.07.2018 — 1 ♀; N., 30.06.2018 — 1 ♀.

* *Dichagyris signifera* ([Denis et Schiffermüller], 1775)

Material. N., 29–30.06.2018 — 3 sp., 16.07.2018 — 1 sp.

Xestia baja ([Denis et Schiffermüller], 1775)

Material. M., 08.09.2018 — 1 sp.

* *Anaplectoides prasina* ([Denis et Schiffermüller], 1775)

Material. Sh., 31.07.2018 — 1 sp.

Conclusions. According to the results of our research and the literature data, 1,238 species of Lepidoptera belonging to 53 families (Table 1) are found in NNP 'Dvorichanskyi' and its environs, 174 of which are given for the park for the first time. Of these, 11 species are included to the Red Data Book of Ukraine (Akimov, 2009) and 22 species are included to the Red Data Book of Kharkiv Region of Ukraine (Tokarsky, Shandikov, Atemasova, 2013; Karolinskiy et al., 2018). The above data indicate a very high biodiversity and uniqueness of the fauna of Lepidoptera of NNP 'Dvorichanskyi'. At the same time, the list of Lepidoptera of the park is far from complete and further studies will certainly supplement it with many new species.

Table 1. Quantitative distribution of Lepidoptera of NNP ‘Dvorichanskiy’ and its environs by families.

| Family | Number of species | Family | Number of species | Family | Number of species | Family | Number of species | Family | Number of species |
|-----------------|-------------------|------------------|-------------------|-----------------|-------------------|--------------|-------------------|---------------|-------------------|
| Hepialidae | 2 | Plutellidae | 2 | Scythrididae | 7 | Limacodidae | 1 | Lasiocampidae | 11 |
| Nepticulidae | 5 | Glyphipterigidae | 2 | Blastobasidae | 1 | Zygaenidae | 12 | Brahmaeidae | 1 |
| Adelidae | 7 | Ypsolophidae | 6 | Momphidae | 3 | Papilionidae | 4 | Sphingidae | 12 |
| Tischeriidae | 4 | Bedelliidae | 1 | Cosmopterigidae | 11 | Hesperiidae | 12 | Geometridae | 163 |
| Eriocottidae | 1 | Lyoniidae | 2 | Gelechiidae | 69 | Pieridae | 13 | Notodontidae | 13 |
| Psychidae | 4 | Douglasiidae | 1 | Pterophoridae | 20 | Lycaenidae | 35 | Nolidae | 9 |
| Tineidae | 13 | Autostichidae | 2 | Epermeniidae | 2 | Riodinidae | 1 | Erebidae | 72 |
| Bucculatricidae | 3 | Oecophoridae | 10 | Choreutidae | 1 | Nymphalidae | 27 | Euteliidae | 1 |
| Gracillariidae | 24 | Depressariidae | 21 | Tortricidae | 171 | Pyralidae | 76 | Noctuidae | 234 |
| Yponomeutidae | 6 | Elachistidae | 6 | Cossidae | 6 | Crambidae | 91 | | |
| Argyresthiidae | 4 | Coleophoridae | 22 | Sesiidae | 5 | Drepanidae | 6 | Total | 1,238 |

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Fig. 1–6. Species of Lepidoptera new for Ukraine from NNP ‘Dvorichanskiy’ and its environs: 1 — *Monopis pallidella*, 16.06.2018, ♂, imago; 2 — *Monopis pallidella*, 16.06.2018, ♂, genitalia with right valva removed, saccus and aedeagus separated; 3 — *Phyllonorycter cephalariae*, 24.09.2017, ♂, imago; 4 — *Phyllonorycter cephalariae*, 18.09.2017, ♂, genitalia (inset: lateral view of the end of juxta); 5 — *Caryocolum petryi*, 22.08.2018, ♂, imago; 6 — *Caryocolum petryi*, 22.08.2018, ♂, genitalia.

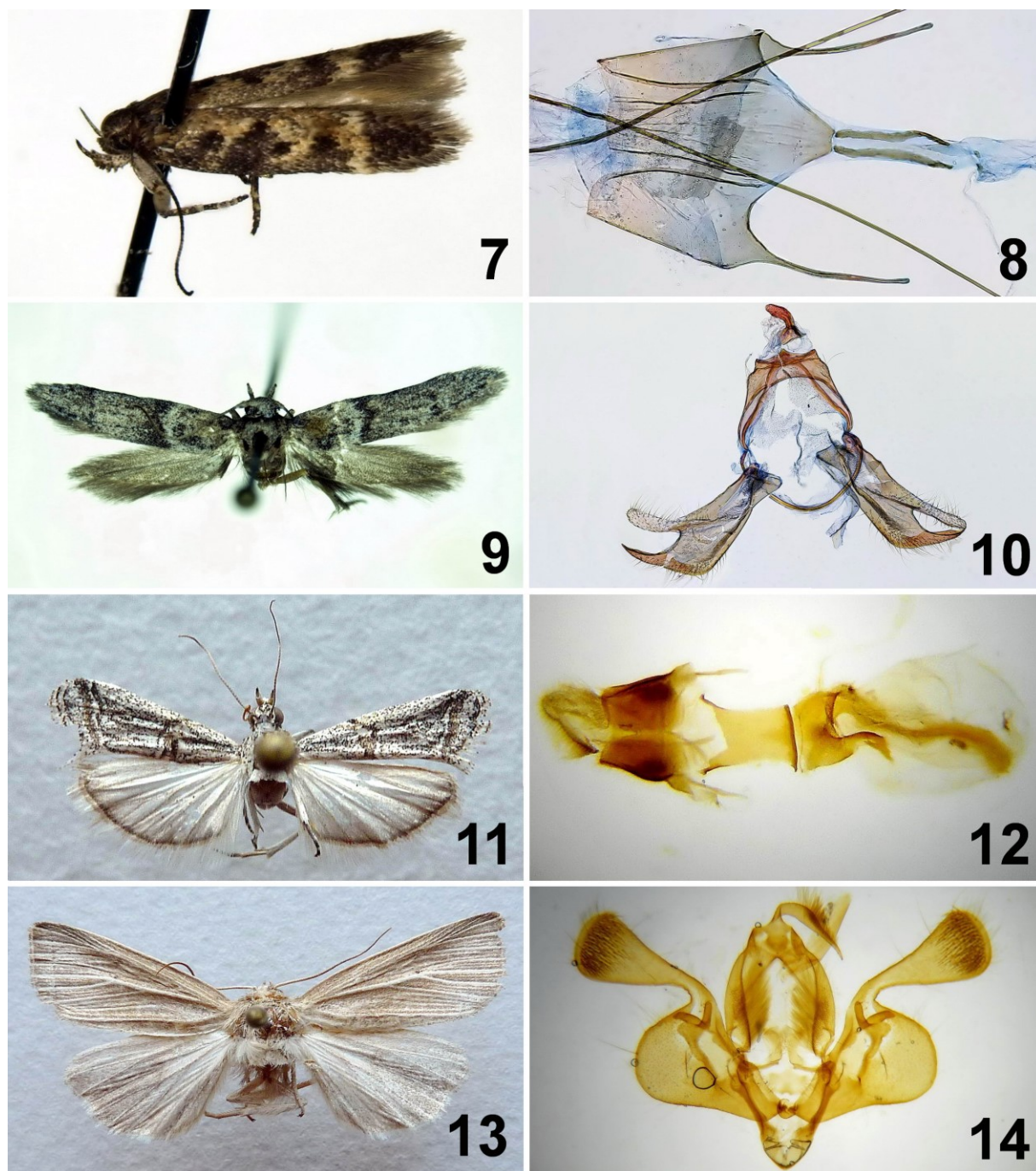


Fig. 7–14. Species of Lepidoptera new for Ukraine from NNP 'Dvorichanskyi' and its environs:
 7 — *Caryocolum petryi*, 04.07.2018, ♀, imago; 8 — *Caryocolum petryi*, 04.07.2018, ♀, genitalia
 (segment VIII and antrum); 9 — *Blastobasis pannonica*, 17.07.2017, ♂, imago; 10 —
Blastobasis pannonica, 17.07.2017, ♂, genitalia with aedeagus removed; 11 — *Neopempelia*
hieroglyphella, 30.06.2018, ♀, imago; 12 — *Neopempelia hieroglyphella*, 30.06.2018, ♀,
 genitalia; 13 — *Mythimna deserticola*, 17.06.2018, ♂, imago; 14 — *Mythimna deserticola*,
 17.06.2018, ♂, genitalia with aedeagus removed.



Fig. 15–20. Species of Lepidoptera new for Ukraine from NNP ‘Dvorichanskiy’ and its environs:
15 — *Monopis pallidella*, 16.06.2018; 16 — *Phyllonorycter cephalariae*, 24.09.2017; 17 —
Caryocolum petryi, 24.08.2017; 18 — *Blastobasis pannonica*, 22.09.2018; 19 — *Neopempelia*
hieroglyphella, 30.06.2018; 20 — *Mythimna deserticola*, 09.06.2017.