

ANNOTATED CHECK-LIST OF MALACHIIDAE BEETLES OF THE ZAKARPATTIA REGION, UKRAINE

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Annotated check-list of Malachiidae beetles of the Zakarpattia Region, Ukraine. – V.V. Mirutenko. – A checklist of beetles of the Malachiidae family (Coleoptera) is given for the Zakarpattia Region (the Transcarpathia) of Ukraine. Twenty-eight species from twelve genera (subfamily Malachiinae) are listed in the fauna of the regional fauna. Of these species, two (*Ebaeus ater* Kiesenwetter, 1863 and *Anthocomus fasciatus* (Linnaeus, 1758)) are new records for the region. One genus, *Clanoptilus*, with 7 species is the most diverse. Largest number of malachiid-beetles species is found on the Transcarpathian Lowland – 23 species.

Key words: Malachiidae, beetles, fauna, Zakarpattia, Transcarpathia, Ukraine.

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Анотований список твердокрилих родини Malachiidae Закарпатської області України. – В.В. Мірутенко. – В роботі наведено список жуків родини Malachiidae (Coleoptera) для Закарпатської області (Закарпаття) України. Для регіональної фауни приводяться 28 видів з 12 родів, підродини Malachiinae (кількість видів для роду наведена в дужках): *Aralochrus* Erichson, 1840 (1), *Attalus* Erichson, 1840 (2), *Ebaeus* Erichson, 1840 (2), *Hypobaeus* Kiesenwetter, 1863 (1), *Anthocomus* Erichson, 1840 (3), *Anthomalachius* Tshernyshev, 2009 (1), *Axinotarsus* Motschulsky, 1853 (3), *Charopus* Erichson, 1840 (2), *Clanoptilus* Motschulsky, 1854 (7), *Cordylepherus* Evers, 1985 (1), *Malachius* Fabricius, 1775 (4), *Troglops* Erichson, 1840 (1). Крім зборів автора, в роботі представлені також дані багаторічних зборів з колекцій кафедри ентомології та збереження біорізноманіття Ужгородського національного університету та зоологічного музею Ужгородського національного університету. Для кожного виду наведені наступні дані: валідна назва, синонім(и), інформація щодо загального поширення, інформація про поширення в межах Закарпатської області, коментарі. З усіх родів фауни регіону рід *Clanoptilus* налічує найбільшу кількість видів – сім. Два види зі списку фауни (*Ebaeus ater* Kiesenwetter, 1863 and *Anthocomus fasciatus* (Linnaeus, 1758)) є новими для фауни Закарпаття. 17 видів є рідкісними. На території регіону жуки-малашки поширені в межах фізико-географічних районів: Стрийсько-Сянська Верховина і Верховинський Вододільний хребет, Внутрішні Гортани, масив Полонина Рівна, масив Полонина Боржава, масив Полонина Красна, масив Свидовець, масив Чорногора, масив Вігорлат, масив Маковиця-Синяк, масив Великий Діл-Тупий, Хустсько-Солотвинська улоговина, Гутинський масив, масив Мармарош, Закарпатська низовина. Найбільша кількість видів родини зустрічається в межах Закарпатської низовини – 23 види. Наявність 28 видів жуків-малашок у фауні Закарпаття свідчить про досить високе видове багатство фауни Malachiidae регіону в порівнянні з фауною цієї родини України загалом. Остання налічує близько 35 видів.

Ключові слова: Malachiidae, твердокрилі, фауна, Закарпатська область, Закарпаття, Україна.

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Introduction

The Zakarpattia Region (the Transcarpathia) is located in the west of Ukraine and characterized by a variety of landscapes and physical geographic zones. The region by the nature of the relief consists of parts: mountains (the Ukrainian Carpathians) and plain (the Transcarpathian Lowland). Mountainous area is about 4/5 of territory. The climate is temperate continental.

The soft-winged flower beetles (Malachiidae: Coleoptera) represent a large group in the superfamily Cleroidea, and are represented

by about 4000 described species worldwide (Kolibáč et al. 2005), and 312 species occur in Europe (Mayor 2007). Twenty-eight malachhid-beetles species of twelve genera are listed for regional fauna.

The purpose of this paper is to provide information about the distribution of Malachiidae beetles in the Zakarpattia Region.

Material and methods

The published data on species distribution of the family Malachiidae in the Zakarpattia Region are

summarized by physical geographic zones. Tribes, genera and species are listed alphabetically. The following data are included in the list for every species: valid name, synonym(s), information on general distribution on a world scale, information on the distribution in the Zakarpattia Region, comments. Information given on classification and general distribution is based mainly on A. Mayor (2007), but for changes exact references are given.

The physical geographic zones of the Ukrainian part of the Carpathians are represented in figure 1. Distribution in the region is given for

different zones (Fig. 1). In addition to authors' materials, data of collections of the Department of Entomology and Biodiversity Conservation, Uzhhorod National University and Zoological Museum, Uzhhorod National University are also presented.

Abbreviations: DEBC – Department of Entomology and Biodiversity Conservation, Uzhhorod National University; IZ – Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine, Kyiv; ZM – Zoological Museum, Uzhhorod National University.

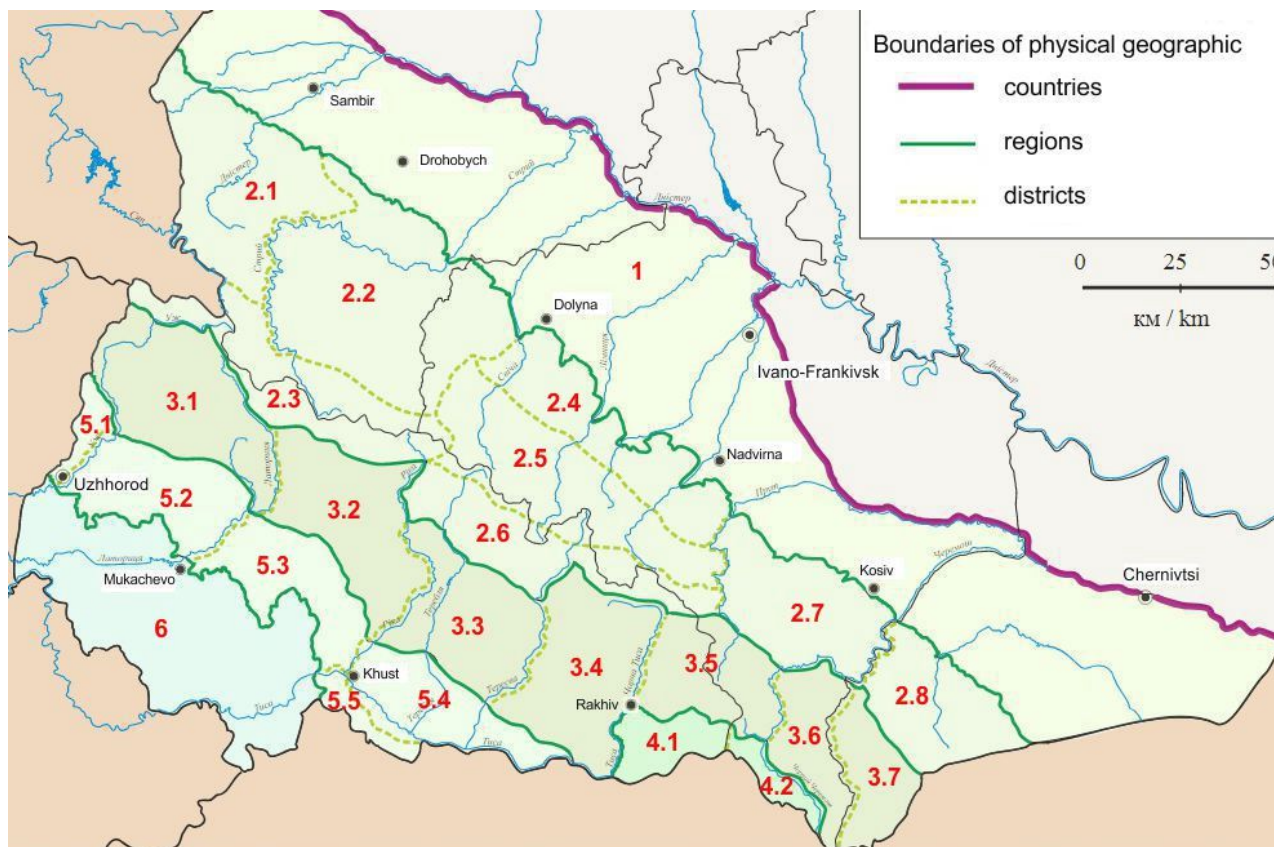


Fig. 1. Map of physical geographic zoning of the Ukrainian Carpathians (Geographical zoning ... 2018)

Рис. 1. Карта фізико-географічного районування Українських Карпат (Geographical zoning ... 2018)

Legend: 1 – Precarpathian hill region (the Precarpathia).

2 – Outside Carpathian and Watershed-Verkhovyna region: 2.1 – Upper Dnister Beskydy; 2.2 – Skoliv Beskydy; 2.3 – Stryi-Sian Verkhovyna and Verkhovyna watershed ridge; 2.4 – Boundary Gorgany; 2.5 – Outside Gorgany; 2.6 – Inside Gorgany; 2.7 – Pokutian Carpathians; 2.8 – Bukovinian Carpathians.

3 – Polonyna-Chornohora region: 3.1 – Polonyna Rivna; 3.2 – Polonyna Borzhava; 3.3 – Polonyna Krasna; 3.4 – Svydovets'; 3.5 – Chornohora; 3.6 – Hryniava mountains; 3.7 – Jalovychor mountains.

4 – Marmarosh-Chyvchyny region: 4.1 – Marmarosh; 4.2 – Chyvchyny.

5 – Volcanic-Carpathian region: 5.1 – Vihorlat massif; 5.2 – massif of Makovytsia-Syniak; 5.3 – massif of Velykyi Dil-Tupyi; 5.4 – Khust-Solotvyno coomb (Marmarosh coomb); 5.5 – Hutyn massif.

6 – Transcarpathian Lowland (part of the Tysa river Lowland).

Results

The total of 28 Malachiidae species of 12 genera (number of species shown in brackets): *Apalochrus*

Erichson, 1840 (1), *Attalus* Erichson, 1840 (2), *Ebaeus* Erichson, 1840 (2), *Hypebaeus* Kiesenwetter, 1863 (1), *Anthocomus* Erichson,

1840 (3), *Anthomalachius* Tshernyshev, 2009 (1), *Axinotarsus* Motschulsky, 1853 (3), *Charopus* Erichson, 1840 (2), *Clanoptilus* Motschulsky, 1854 (7), *Cordylepherus* Evers, 1985 (1), *Malachius* Fabricius, 1775 (4), *Troglops* Erichson, 1840 (1) are proved for the fauna of the Zakarpattia Region. The species are listed below in alphabetical order.

Family MALACHIIDAE Fleming, 1821

Tribe Apalochrini Mulsant & Rey, 1867

Genus *Apalochrus* Erichson, 1840

Syn.: *Hapalochrus* Agassiz, 1846; *Paratinus* Abeille de Perrin, 1891.

***Apalochrus femoralis* Erichson, 1840**

General distribution: Europe (except south), Central Asia (Mayor 2007).

Distribution in the region: Vihorlat massif (leg. Mateleshko, Hymba), Transcarpathian Lowland (leg. Mateleshko, Mirutenko).

Comments: typical habitats are grass and shrub vegetation in wetlands and near them (Mirutenko, Mateleshko 2017). Not very common.

Tribe Attalini Abeille de Perrin, 1890

Genus *Attalus* Erichson, 1840

***Attalus alpinus* (Giraud, 1851)**

Syn.: *Ebaeus alpinus* Giraud, 1851.

General distribution: Central Europe (alpine and subalpine zones of mountain systems) (Mayor 2007).

Distribution in the region: Chornohora (Burakowski et al. 1986).

Comments: the species can be found on spruce, larch, rhododendron (Allenspach, Wittmer 1979). Very rare.

***Attalus analis* (Panzer, 1796)**

Syn.: *Malachius analis* Panzer, 1796; *Anthocomus fagi* Motschulsky, 1854; *Attalus innotatus* Pic, 1911.

General distribution: South, Central and East Europe, Turkey (Mayor 2007).

Distribution in the region: Chornohora (Roubal 1936), Transcarpathian Lowland (leg. Mirutenko).

Comments: very rare.

Tribe Ebaeini Portevin, 1931

Genus *Ebaeus* Erichson, 1840

***Ebaeus ater* Kiesenwetter, 1863**

Syn.: *Ebaeus pannonicus* Švihla, 1990.

General distribution: Central Europe (Mayor 2007).

Distribution in the region: Transcarpathian Lowland (material examined: abandoned rock

quarry between Muzhievo and Bene, 1.06.2016, 1♂ leg. Mirutenko).

Comments: new species for the Zakarpattia region. Very rare.

***Ebaeus flavicornis* Erichson, 1840**

Syn.: *Ebaeus apicalis* Reichenbach, 1826.

General distribution: Europe (except north) (Jakobson 1905; Hicker 1925; Greiner 1937).

Distribution in the region: Vihorlat massif (leg. Mirutenko).

Comments: very rare.

Genus *Hypebaeus* Kiesenwetter, 1863

***Hypebaeus flavipes* (Fabricius, 1787)**

Syn.: *Malachius flavipes* Fabricius, 1787; *Malachius ochropus* Gmelin, 1790; *Malachius productus* Olivier, 1790; *Malachius praeustus* Fabricius, 1792; *Ebaeus perspicillatus* Bremi-Wolf, 1855; *Hypebaeus posticus* Kiesenwetter, 1866.

General distribution: Europe (Jakobson 1905; Hicker 1925; Greiner 1937).

Distribution in the region: Vihorlat massif (Roubal 1936, leg. Mirutenko), massif of Makovytsia-Syniak (DEBC), Transcarpathian Lowland (DEBC, leg. Mirutenko).

Comments: very rare.

Tribe Malachiini Fleming, 1821

Genus *Anthocomus* Erichson, 1840

***Anthocomus equestris* (Fabricius, 1781)**

Syn.: *Malachius equestris* Fabricius, 1781; *Malachius bipunctatus* Harrer, 1784; *Malachius herbsti* Gmelin, 1790; *Malachius quadripustulatus*, Illiger, 1798.

General distribution: Europe, Caucasus, North America (Mayor 2007).

Distribution in the region: Polonyna Rivna (IZ, leg. Mirutenko), Marmarosh (DEBC), Vihorlat massif (Horvátovich 1969, leg. Krochko, Mirutenko), Hutyn massif (DEBC), Transcarpathian Lowland (DEBC, leg. Mirutenko).

Comments: rare. The species may fly into buildings. Introduced from Europe to North America. Apparently widespread in North America (Bright 1991)

***Anthocomus rufus* (Herbst, 1784)**

Syn.: *Cantharis coccineus* Schaller, 1783; *Malachius rufus* Herbst, 1784; *Malachius sanguinolentus* Fabricius, 1787; *Malachius erythromelas* Gmelin, 1790; *Anthocomus subscutellaris* Pic, 1924; *Anthocomus bedeli* Méquignon, 1948.

General distribution: Europe, Middle East (Mayor 2007).

Distribution in the region: Vihorlat massif (leg. Mirutenko), Transcarpathian Lowland (leg. Mirutenko).

Comments: hygro-mesophilic species, near water on flowers of *Phragmites communis*. Common.

***Anthocomus fasciatus* (Linnaeus, 1758)**

Syn.: *Cantharis fasciatus* Linnaeus, 1758; *Meloë gouani* Linnaeus, 1767; *Malachius regalis* Charpentier, 1818; *Malachius bituberculatus* Stephens, 1830; *Anthocomus latior* Abeille de Perrin, 1891; *Anthocomus latemaculatus* Pic, 1920.

General distribution: Europe, Caucasus, Middle East (Mayor 2007).

Distribution in the region: Polonyna Rivna (material examined: *Anthocomus fasciatus* var. *regalis* Sharp, meadow near road between Sil' and Kostryno, 21.05.2018, 1♀, leg. Mirutenko).

Comments: new species for the Zakarpattia region. Very rare.

Genus *Anthomalachius* Tshernyshev, 2009

***Anthomalachius strangulatus* (Abeille de Perrin, 1891)**

Syn.: *Cyrtosus strangulatus* Abeille de Perrin, 1885; *Malachius vulneratus* Abeille de Perrin, 1891; *Malachius schelkownikowi* Pic, 1911; *Malachius pseudospinosus* Medvedev, 1964.

General distribution: South and Central Europe, Caucasus, Middle East, Central Asia (Mayor 2007; Tshernyshev 2009).

Distribution in the region: Svydovets' (ZM), Vihorlat (ZM, leg. Krochko, Mirutenko), massif of Makovytsia-Syniak (leg. Mirutenko, Turys), massif of Velykyi Dil-Tupyi (leg. Mirutenko), Hutyn massif (leg. Mirutenko), Transcarpathian Lowland (DEBC, leg. Mirutenko).

Comments: not very common.

Genus *Axinotarsus* Motschulsky, 1853

***Axinotarsus marginalis* (Castelnau, 1840)**

Syn.: *Malachius marginalis* Castelnau, 1840; *Axinotarsus infuscatus* Abeille de Perrin, 1891.

General distribution: Europe (except North), Caucasus (Mayor 2007).

Distribution in the region: Polonyna Rivna (IZ, leg. Mirutenko), Polonyna Krasna (DEBC), Vihorlat massif (DEBC, ZM, leg. Mirutenko), massif of Makovytsia-Syniak (leg. Mirutenko), massif of Velykyi Dil-Tupyi (leg. Turys), Khust-Solotvyno coomb (ZM, leg. Mirutenko), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko, Turys, Vovk).

Comments: common.

***Axinotarsus pulicarius* (Fabricius, 1777)**

Syn.: *Malachius pulicarius* Fabricius, 1777; *Cantharis leucogastra* Preyssl; *Axynotarsus martialis* Pic, 1918; *Cantharis nemoralis* Gmelin; *Axinotarsus obscuratus* Escalera, 1926; *Malachius truncatellus* Fallén, 1807.

General distribution: Europe, Caucasus, North Africa (Mayor 2007).

Distribution in the region: Polonyna Rivna (leg. Mirutenko), Polonyna Borzhava (IZ), Vihorlat massif (ZM, leg. Mateleshko, Mirutenko), Transcarpathian Lowland (DEBC, leg. Mirutenko, Vovk).

Comments: imagoes are predators (Evers 1960; Matthes 1962a; Mirutenko 2004). Rare.

***Axinotarsus ruficollis* (Olivier, 1790)**

Syn.: *Malachius ruficollis* Olivier, 1790; *Cantharis rubricollis* Marsham, 1802.

General distribution: Europe, North Africa (Mayor 2007).

Distribution in the region: Polonyna Rivna (leg. Mirutenko), Vihorlat massif (leg. Mirutenko), Transcarpathian Lowland (DEBC, leg. Mirutenko).

Comments: not common.

Genus *Charopus* Erichson, 1840

***Charopus concolor* (Fabricius, 1801)**

Syn.: *Malachius concolor* Fabricius, 1801; *Malachius furcatipennis* Villa & Villa, 1837; *Ebaeus nigripes* Kolenati, 1846.

General distribution: South and Central Europe, Caucasus, Algeria (Mayor 2007).

Distribution in the region: Polonyna Krasna (leg. Chumak), Vihorlat massif (leg. Mateleshko, Mirutenko), massif of Velykyi Dil-Tupyi (leg. Mirutenko), Khust-Solotvyno coomb (leg. Mirutenko), Transcarpathian Lowland (Horvátovich 1969, DEBC, leg. Mirutenko, Turys).

Comments: not common.

***Charopus flavipes* (Paykull, 1798)**

Syn.: *Malachius flavipes* Paykull, 1798; *Cantharis plumbeocupreus* Goeze, 1777; *Cantharis plumbeonigra* Goeze, 1777.

General distribution: Europe (Mayor 2007).

Distribution in the region: Inside Gorgany (leg. Mirutenko), Polonyna Rivna (leg. Mirutenko), Chornohora (leg. Mateleshko), Vihorlat massif (leg. Mirutenko), massif of Velykyi Dil-Tupyi (leg. Mirutenko), Transcarpathian Lowland (leg. Mirutenko, Vovk).

Comments: not common.

Genus *Clanoptilus* Motschulsky, 1854

***Clanoptilus affinis* (Ménétries, 1832)**

Syn.: *Malachius affinis* Ménétries, 1832; *Malachius gracilis* Miller, 1857; *Malachius obtusicornis* Solsky, 1881; *Clanoptilus concolor* Krauss, 1902.

General distribution: Europe (except North), Caucasus, Middle East, Central Asia, Siberia, Tibet (Mayor 2007).

Distribution in the region: Transcarpathian Lowland (leg. Mirutenko).

Comments: very rare.

***Clanoptilus ambiguus* (Peyron, 1877)**

Syn.: *Malachius ambiguus* Peyron, 1877; *Malachius armeniacus* Ménétrés, 1832.

General distribution: Central Europe, Caucasus, Middle East, Central Asia (Mayor 2007).

Distribution in the region: Vihorlat massif (ZM), massif of Makovytsia-Syniak (ZM), Khust-Solotvyno coomb (DEBC), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko).

Comments: not rare species in the 1950s and 60s, but these years it's very rare.

***Clanoptilus elegans* (Olivier, 1790)**

Syn.: *Malachius elegans* Olivier, 1790; *Clanoptilus haemorrhoidalis* Abeille de Perrin, 1891; *Malachius purpureonotatus* Pic, 1952.

General distribution: Europe, Caucasus, Central Asia (Mayor 2007).

Distribution in the region: Polonyna Rivna (ZM), Polonyna Krasna (leg. Mirutenko), Vihorlat massif (ZM, leg. Mirutenko), massif of Makovytsia-Syniak (ZM, leg. Mirutenko), massif of Velykyi Dil-Tupyi (ZM), Khust-Solotvyno coomb (DEBC), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko).

Comments: common.

***Clanoptilus falcifer* (Abeille de Perrin, 1882)**

Syn.: *Malachius falcifer* Abeille de Perrin, 1882.

General distribution: Central Europe, Middle East, Caucasus (Mayor 2007).

Distribution in the region: Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko).

Comments: very rare.

***Clanoptilus geniculatus* (Germar, 1824)**

Syn.: *Malachius geniculatus* Germar, 1824; *Malachius annulatus* Mulsant & Rey, 1867; *Malachius unicolornis* Solsky, 1881; *Clanoptilus obconicus* Abeille de Perrin, 1891; *Malachius guttifer* Abeille de Perrin, 1893; *Chionotopus pulcherrimus* Pic, 1912.

General distribution: South, Central, East Europe, Caucasus, Middle East, Central Asia, Siberia, Far East (Mayor 2007; Tshernyshev, Legalov 2008).

Distribution in the region: Polonyna Rivna (DEBC, ZM), Svydovets' (ZM), Vihorlat massif (DEBC, ZM, leg. Mirutenko), massif of Makovytsia-Syniak (ZM, leg. Mirutenko), massif of Velykyi Dil-Tupyi (ZM, leg. Mirutenko), Khust-Solotvyno coomb (DEBC, leg. Mirutenko), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko, Turys).

Comments: common.

***Clanoptilus marginellus* (Olivier, 1790)**

Syn.: *Malachius marginellus* Olivier, 1790; *Malachius bispinosus* Curtis, 1827; *Malachius dentipennis* Castelnau, 1838; *Malachius oxys* Abeille de Perrin, 1890; *Clanoptilus atriseptus* Abeille de Perrin, 1891; *Malachius subdilatus* Pic, 1923; *Malachius pseudosardous* Reclaire & van der Wiel, 1932; *Malachius angustimarginalis* Donisthorpe, 1933; *Malachius lambessanus* Pic, 1951.

General distribution: Europe, Middle East, Caucasus, North Africa (Jakobson 1905; Mayor 2007).

Distribution in the region: Stryi-Sian Verkhovyna and Verkhovyna watershed ridge (ZM), Polonyna Rivna (DEBC, ZM), Polonyna Krasna (DEBC, ZM, leg. Yunakov, Mirutenko), Svydovets' (leg. Mirutenko, Turys), Marmarosh (ZM), Vihorlat massif (DEBC, ZM, leg. Mirutenko), massif of Makovytsia-Syniak (ZM, leg. Mirutenko), massif of Velykyi Dil-Tupyi (DEBC, ZM), Khust-Solotvyno coomb (Horvátovich 1969, DEBC, ZM), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko).

Comments: common.

***Clanoptilus spinipennis* (Germar, 1824)**

Syn.: *Malachius spinipennis* Germar, 1824; *Malachius spinosus* Brullé, 1832; *Clanoptilus antennatus* Motschulsky, 1854; *Malachius cruentatus* Motschulsky, 1854; *Malachius brevispina* Kiesenwetter, 1871; *Malachius muticus* Baudi di Delve, 1871.

General distribution: South and East Europe, Caucasus, Middle East (Mayor 2007).

Distribution in the region: Svydovets' (leg. Mirutenko), Khust-Solotvyno coomb (leg. Mirutenko), Transcarpathian Lowland (leg. Mirutenko).

Comments: very rare.

Genus *Cordylepherus* Evers, 1985

***Cordylepherus viridis* (Fabricius, 1787)**

Syn.: *Malachius viridis* Fabricius, 1787; *Cantharis cyanea* Thunberg, 1787; *Malachius apicalis* Villa & Villa, 1833; *Malachius concolor* Schilsky, 1888; *Malachius semiviridis* Pic, 1940; *Malachius pseudobipustulatus* Evers, 1944.

General distribution: Europe, Algeria, Middle East, Central Asia, Caucasus, Siberia (Mayor 2007).

Distribution in the region: Stryi-Sian Verkhovyna and Verkhovyna watershed ridge (ZM), Polonyna Rivna (DEBC, ZM), Polonyna Krasna (ZM), Vihorlat massif (DEBC, ZM, leg. Mateleshko, Mirutenko), massif of Makovytsia-Syniak (ZM, leg. Mirutenko), massif of Velykyi Dil-Tupyi (DEBC, ZM, leg. Mirutenko), Khust-Solotvyno coomb (DEBC, leg. Mirutenko), Hutyn massif (leg. Mirutenko), Transcarpathian Lowland (DEBC, ZM, leg. Mateleshko, Mirutenko).

Comments: common.

Genus *Malachius* Fabricius, 1775

***Malachius aeneus* (Linnaeus, 1758)**

Syn.: *Cantharis aeneus* Linnaeus, 1758; *Malachius aeneoides* Abeille de Perrin, 1891.

General distribution: Europe, Caucasus, Middle East, Siberia, North America (Mayor 2007).

Distribution in the region: Inside Gorgany (ZM), Polonyna Rivna (DEBC, ZM, leg. Mirutenko), Polonyna Borzhava (DEBC, ZM), Polonyna Krasna (DEBC, ZM, leg. Yunakov), Svydovets' (ZM, leg. Mirutenko), Chornohora (ZM), Marmarosh (ZM), Vihorlat massif (ZM, leg. Mirutenko), massif of Makovytsia-Syniak (DEBC, ZM), massif of Velykyi Dil-Tupyi (DEBC, ZM), Khust-Solotvyno coomb (DEBC, ZM), Transcarpathian Lowland (DEBC, ZM, leg. Mirutenko).

Comments: common species in the 1950s and 60s, but these years it's rare.

***Malachius bipustulatus* (Linnaeus, 1758)**

Syn.: *Cantharis bipustulatus* Linnaeus, 1758; *Malachius laticeps* Stephens, 1835; *Malachius aetolicus* Kiesenwetter, 1866; *Malachius immaculicollis* Mulsant & Rey, 1867; *Malachius immaculatus* Abeille de Perrin, 1891.

General distribution: Europe, Palearctic Asia (Mayor 2007).

Distribution in the region: Polonyna Rivna (DEBC, ZM, leg. Mirutenko), Polonyna Borzhava (leg. Mirutenko), Polonyna Krasna (ZM, leg. Chumak, Vovk), Svydovets' (DEBC, ZM, leg. Mirutenko), Marmarosh (DEBC, leg. Mirutenko), Vihorlat massif (DEBC, ZM, leg. Mirutenko), massif of Makovytsia-Syniak (ZM, leg.

Mirutenko), massif of Velykyi Dil-Tupyi (leg. Turys), Khust-Solotvyno coomb (DEBC, leg. Mirutenko), Transcarpathian Lowland (DEBC, ZM, leg. Krochko, Mirutenko, Turys).

Comments: common.

***Malachius rubidus* Erichson, 1840**

Syn.: *Malachius fallax* Strübing, 1854; *Malachius sublateralis* Pic, 1912; *Malachius valesiacus* Pic, 1929.

General distribution: South and Central Europe, Middle East (Mayor 2007).

Distribution in the region: Khust-Solotvyno coomb (leg. Mirutenko), Transcarpathian Lowland (leg. Mirutenko).

Comments: very rare.

***Malachius scutellaris* Erichson, 1840**

General distribution: Central Europe (Mayor 2007).

Distribution in the region: Polonyna Rivna (DEBC, ZM), Polonyna Krasna (leg. Mirutenko), Svydovets' (leg. Yunakov), Chornohora (DEBC), Vihorlat massif (Roubal 1936, ZM), massif of Makovytsia-Syniak (DEBC, ZM), Khust-Solotvyno coomb (leg. Mirutenko), Transcarpathian Lowland (DEBC, ZM, leg. Mateleshko).

Comments: not common.

Tribe Troglopini Mulsant & Rey, 1867

Genus *Troglops* Erichson, 1840

***Troglops albicans* (Linnaeus, 1767)**

Syn.: *Cantharis albicans* Linnaeus, 1767; *Malachius angulatus* Fabricius, 1792.

General distribution: Europe, Caucasus, Middle East (Mayor 2007).

Distribution in the region: Vihorlat massif (Roubal 1936, leg. Mateleshko, Mirutenko), Khust-Solotvyno coomb (DEBC, leg. Mirutenko).

Comments: imagoes are predators and eat mycelium of fungi, as well (Matthes 1962; Mirutenko 2004). Rare.

Conclusions

This list with 28 species indicates that the fauna of Transcarpathian Malachiidae is quite diverse in comparison with the fauna of all Ukraine (about 35 species). The largest number of malachiid-beetles species is found on the Transcarpathian Lowland – 23 species.

Of the 12 genera of the regional fauna, one genus, *Clanoptilus* with 7 species is the most diverse. Seventeen species of Malachiidae are rare. *Ebaeus ater* and *Anthocomus fasciatus* are new species for the fauna of the region.

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