

Some taxonomical corrections and new faunistic records of the species from the family Braconidae (Hymenoptera) in the fauna of Russia

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Некоторые таксономические исправления и новые фаунистические находки видов семейства Braconidae (Hymenoptera) в фауне России

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Abstract. In the paper some taxonomic corrections and numerous new records of Braconidae species in the fauna of Russia or its regions are provided. The new synonyms are suggested: *Rhopstrocentrus piceus* Marshall, 1897 = *Rhopstrocentrus quercusi* Yang et Cao in Cao et al., 2015, **syn. nov.**; *Pareucorystes varinervis* Tobias, 1961 = *Leluthia chinensis* Li et Achterberg in Li et al., 2015, **syn. nov.**; *Heterospilus cephi* Rohwer, 1925 = *Heterospilus magnastigmata* Beyarslan, 2019, **syn. nov.** The new names for junior homonyms are given: *Dinotrema* (*Dinotrema*) *marshakovi* Belokobylskij, **nom. nov.** for *Dinotrema* (*Dinotrema*) *concinnum* Tobias, 2007, nec *D.* (*D.*) *concinnum* (Haliday, 1838); *Ascogaster vitobiasi* Belokobylskij, **nom. nov.** for *Ascogaster breviventris* Tobias, 2000, nec *A. breviventris* Granger, 1949. The generic status of *Rhaconotinus* Hedqvist, 1965 (**status resurr.**) and species status of *Avga singularis* Belokobylskij, 1986 (**status resurr.**) were restored. A new generic combinations are suggested: *Microctonus haeselbarthi* (Belokobylskij, 2000), **comb. nov.** instead original *Perilitus* (*Townesilitus*) generic position; *Microctonus strophosomi* (Haeselbarth, 2008), **comb. nov.** instead original *Perilitus* generic position; *Ipodoryctes formosanus* (Watanabe, 1934), **comb. nov.** instead original *Rhaconotus* generic position; *Ipodoryctes signipennis* (Walker, 1860), **comb. nov.** instead original *Spathius* generic position; *Ipodoryctes vagrans* (Bridwell, 1920), **comb. nov.** instead original *Hormiopterus* generic position; *Rhaconotinus iterabilis* (Belokobylskij et Chen, 2004), **comb. nov.** instead original *Rhaconotus* generic position; *Rhaconotinus nadezhdae* (Tobias et Belokobylskij, 1981), **comb. nov.** instead original *Ipodoryctes* generic position. The following species are recorded for the fauna of Russia for the first time: *Ontsira robusta* Belokobylskij, Tang et Chen, 2013; *Cerophanes kerzhneri* Tobias, 1971; *Aleiodes* (*Aleiodes*) *nocturnus* (Telenga, 1941); *A. (Neorhogas) quadrum* (Tobias, 1976); *Alloea bonessi* Fischer, 1966; *Aphaereta falcigera* Graham, 1960; *A. major* (Thomson, 1895); *Aspilota* (*Aspilota*) *ruficornis* (Nees, 1834); *Phaenocarpa* (*Homophyla*) *lichasherstovi* Telenga, 1935; *Ph. (Ph.) canaliculata* Stelfox, 1941; *Symphanes* (*Symphanes*) *aciculata* Foerster, 1863; *Baeacis semanoti* (Watanabe, 1954); *Diospilus dispar* (Nees, 1811); *Polydegmon intermedius* Szépligeti, 1896; *Schizoprymnus brevicornis* (Herrich-Schäffer, 1838); *Zelodia ruida* (Sharkey, 1996); *Ichneutes flaviventris* Hellén, 1958; *Kerorgilus zonator* (Szépligeti, 1896); *Orgilus anurus* Thomson, 1895; *O. capeki* Taeger, 1989; *O. claripennis* Ivanov, 1899; *O. grunini* Tobias, 1986; *O. hungaricus* Szepligeti, 1896; *O. mongolicus* Taeger, 1989; *O. ortrudae* Taeger, 1989; *O. rubrator* (Ratzeburg, 1852); *Stantonia ruficornis* Enderlein, 1921; *Blacus* (*Blacus*) *bovistae* Haeselbarth, 1973; *B. (Ganychorus) capeki* Haeselbarth, 1973; *Meteorus*

consimilis (Nees, 1834); *Perilitus areolaris* Gerdin et Hedqvist, 1985; *Streblocera (Streblocera) longiscapha* (Westwood, 1882); *Aulacocentrum confusum* He et van Achterberg, 1994; *Macrocentrus buolianae* Eady et Clark, 1964; *M. gibber* Eady et Clark, 1964; *Ascogaster brevicornis* Wesmael, 1835; *A. dentiventris* Telenga, 1941; *A. excisa* (Herrich-Schäffer, 1838); *Phanerotoma (Bracotritoma) gjijswijti* van Achterberg, 1990.

Key words. Parasitoids, Braconidae, new records, new synonyms, new names, new combinations, Russia.

Резюме. В статье приводятся сведения о некоторых таксономических изменениях и многочисленные новые данные о находках в фауне России или ее регионах видов сем. Braconidae. Выявлены следующие новые синонимы: *Rhoptrocentrus piceus* Marshall, 1897 = *Rhoptrocentrus quercusi* Yang et Cao in Cao et al., 2015, **syn. nov.**; *Pareucorystes varinervis* Tobias, 1961 = *Leluthia chinensis* Li et Achterberg in Li et al., 2015, **syn. nov.**; *Heterospilus cephi* Rohwer, 1925 = *Heterospilus magnastigmata* Beyarslan, 2019, **syn. nov.**. Предложены новые названия для следующих младших гомонимов: *Dinotrema (Dinotrema) marshakovi* Belokobylskij, **nom. nov.** for *Dinotrema (Dinotrema) concinnum* Tobias, 2007, nec *D. (D.) concinnum* (Haliday, 1838); *Ascogaster vitobiasi* Belokobylskij, **nom. nov.** for *Ascogaster breviventris* Tobias, 2000, nec *A. breviventris* Granger, 1949. Восстановлены статусы родовой для *Rhaconotinus* Hedqvist, 1965 (**status resurr.**) и видовой для *Avga singularis* Belokobylskij, 1986 (**stat. ressur.**). Предложены новые родовые комбинации: *Microctonus haeselbarthi* (Belokobylskij, 2000), **comb. nov.** вместо оригинального положения в *Perilitus (Townesilitus)*; *Microctonus strophosomi* (Haeselbarth, 2008), **comb. nov.** вместо оригинального положения в *Perilitus*; *Ipodoryctes formosanus* (Watanabe, 1934), **comb. nov.** вместо оригинального положения в *Rhaconotus*; *Ipodoryctes signipennis* (Walker, 1860), **comb. nov.** вместо оригинального положения в *Spathius*; *Ipodoryctes vagrans* (Bridwell, 1920), **comb. nov.** вместо оригинального положения в *Hormiopterus*; *Rhaconotinus iterabilis* (Belokobylskij et Chen, 2004), **comb. nov.** вместо оригинального положения в *Rhaconotus*; *Rhaconotinus nadezhdae* (Tobias et Belokobylskij, 1981), **comb. nov.** вместо оригинального положения в *Ipodoryctes*. В фауне России впервые обнаружены следующие виды: *Ontsira robusta* Belokobylskij, Tang et Chen, 2013; *Cerophanes kerzhneri* Tobias, 1971; *Aleiodes (Aleiodes) nocturnus* (Telenga, 1941); *A. (Neorhogas) quadrum* (Tobias, 1976); *Alloea bonessi* Fischer, 1966; *Aphaereta falcigera* Graham, 1960; *A. major* (Thomson, 1895); *Aspilota (Aspilota) ruficornis* (Nees, 1834); *Phaenocarpa (Homophyla) lichasherstovi* Telenga, 1935; *Ph. (Ph.) canaliculata* Stelfox, 1941; *Symphanes (Symphanes) aciculata* Foerster, 1863; *Baeacis semanoti* (Watanabe, 1954); *Diospilus dispar* (Nees, 1811); *Polydegmon intermedius* Szépligeti, 1896; *Schizopyrmus brevicornis* (Herrich-Schäffer, 1838); *Zelodia ruida* (Sharkey, 1996); *Ichneutes flaviventris* Hellén, 1958; *Kerorgilus zonator* (Szépligeti, 1896); *Orgilus anurus* Thomson, 1895; *O. capeki* Taeger, 1989; *O. claripennis* Ivanov, 1899; *O. grunini* Tobias, 1986; *O. hungaricus* Szépligeti, 1896; *O. mongolicus* Taeger, 1989; *O. ortrudae* Taeger, 1989; *O. rubrator* (Ratzeburg, 1852); *Stantonia ruficornis* Enderlein, 1921; *Blacus (Blacus) bovisetae* Haeselbarth, 1973; *B. (Ganychorus) capeki* Haeselbarth, 1973; *Meteorus consimilis* (Nees, 1834); *Perilitus areolaris* Gerdin et Hedqvist, 1985; *Streblocera (Streblocera) longiscapha* (Westwood, 1882); *Aulacocentrum confusum* He et van Achterberg, 1994; *Macrocentrus buolianae* Eady et Clark, 1964; *M. gibber* Eady et Clark, 1964; *Ascogaster brevicornis* Wesmael, 1835; *A. dentiventris* Telenga, 1941; *A. excisa* (Herrich-Schäffer, 1838); *Phanerotoma (Bracotritoma) gjijswijti* van Achterberg, 1990.

Ключевые слова. Паразитоиды, Braconidae, новые находки, новые синонимы, новые названия, новые комбинации, Россия.

Introduction

The parasitoids of the family Braconidae (Hymenoptera) are one of the most diverse and abundant groups of entomophages in the world fauna. They are very numerous and peculiar on the territory of Russia having very diverse landscapes and various biocenoses: from north tundra to south steppes, deserts or subtropical areas, from Western to Eastern Palaearctic types of forests and steppes; from lowlands with marsh or permafrost territory in the north to North Caucasus or Altai mountains in the south.

Complete list of Braconidae species in the Russian fauna will be published in the preparing second volume of the “Annotated catalogue of Hymenoptera of Russia”. The purpose of the present study is to document previously unpublished records of braconid parasitoids species of different subfamilies from various and often poorly studied regions of Russia.

Material and methods

All material used for this study is deposited in the Hymenoptera collection of the Zoological Institute of the Russian Academy of Sciences (St Petersburg) (ZISP).

The abbreviations of the regions of Russia were used as determined in the first volume of the Annotated catalogue of the Hymenoptera of Russia (Belokobylskij, Lelej, 2017).

New distribution records are marked with an asterisk (*).

Taxonomical part

Subfamily Rhyssalinae

Dolopsidea mongolica (Telenga, 1941)

Material examined. KAZAKHSTAN. 2 males, Dzhungarskiy Alatau, S of Koktuma on Alakol' Lake, 25.VI.1962 (V. Tobias leg.).

Distribution. Russia: ES (BR, YA, ZB). – *Kazakhstan, Mongolia, Korean Peninsula (Papp, 1987; should be verified).

Oncophanes lanceolator (Nees, 1834)

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 4 females, 1 male, Krasnoselkup, 17 & 18.VII, 10–12.VIII.1992 (D. Kasparyan leg.); 1 female, 1 male, upper reaches of Taz River, upper Ratta, 25 & 27.VII.1992 (D. Kasparyan leg.). Republic of Tuva (Tyva): 1 female, Turan, valley of Turanchik River, 3.VI.1975 (D. Kasparyan leg.).

Distribution. EP (N, NW, C, E, NC, CR), UR, *WS (TM), ES (*TU, IR, YA, ZB), FE (KH, PR, SA, KU, KA, MG). – Europe (WE, SE, EE, NE), Caucasus, Central Asia, Kazakhstan, Mongolia, Korean Peninsula, Japan.

Rhyssalus clavator Haliday, 1833

Material examined. RUSSIA. Leningradskaya Province: 1 male, St Petersburg vicinity, Murino, forest, 18.VI.1991 (S. Belokobylskij leg.). Voronezh Province: 1 male, Voronezh Nature Reserve, 29.V.1990 (D. Dovnar leg.). Stavropol Territory: 1 female, Essentuki, 26.IX.1972 (W. Kuslitskiy leg.). Karachai-Cherkess Republic: 1 male, Teberda Nature Reserve, M. Khatipara Mountain, coniferous forest, 14.VII.1976 (D. Kasparyan leg.). ABKHAZIA. 1 male, Myusserskiy Nature Reserve, near Pitsunda, oak-forest, 17.XI.1982 (D. Kasparyan leg.); 2 males, Lidzava, Pitsunda, canyon with *Alnus* and fern, 21.XI.1982 (D. Kasparyan leg.). GEORGIA. 1 female, 7 males, Batumi, botanical garden, 19–21.VI.1974 (V. Tobias leg.); 1 female, 8 males, Adzharia, Kintrishi Nature Reserve, 15.V.1973 (V. Tobias leg.); 1 female, Lagodekhi Nature Reserve, beech forest, 29.V.1977 (A. Kireychuk leg.).

Distribution. Russia: EP (*NW, *C, NC). – Europe (WE, SE, EE, NE), *Abkhazia, *Georgia.

Rhyssalus longicaudis (Tobias et Belokobylskij, 1981)

Material examined. RUSSIA. Smolensk Province: 1 female, “Smolenskoe pootserie” National Park, 1.VIII.1993 (D. Kasparyan leg.). Tyumen Province: 1 female, Tobolsk, birch-forb forest, 28.V–17.VI.2008 (Nakonechnyi leg.). Altai Territory: 2 males, 40 km SSE of Zmeinogorsk, Novoaleiskoe, forest, glades, 5–8.VIII.2007 (S. Belokobylskij leg.). Altai Republic: 1 female, Artybash, NW of Teletskoe Lake, mixed forest, meadow, 26.VII.2007 (A. Khalaim leg.).

Distribution. Russia: EP (NW, *C), UR, *WS (TM, AL), FE (PR). – Bosnia Hercegovina, Hungary, Finland, Mongolia.

Subfamily Histeromerinae

Histeromerus mystacinus Wesmael, 1838

Material examined. RUSSIA. Sverdlovskaya Province: 1 female, 2.5 km W of Dvurechensk, Biostation of Ural State University, 56°36'05'' N, 61°03'24'' E, at light, 27.VIII.2010 (K. Fadeev leg.); 1 specimen (without wings and

metasoma), Sysert District, Dvurechensk settlement, Sysert River valley, on Urtica, 29.VII.2004 (T. Kostromina leg.) (T. Kostromina det.).

Distribution. Russia: EP (C, NC), *UR. – Europe (WE, SE, EE, NE), Georgia, Iran.

Subfamily Doryctinae

***Ontsira robusta* Belokobylskij, Tang et Chen, 2013**

Material examined. RUSSIA. Primorskiy Territory: 1 female, Ussuriysk Nature Reserve, 20.VIII.1970 (V. Shabliovskiy leg.).

Distribution. *Russia: FE (PR). – China (NE), Korean Peninsula.

***Rhopstrocentrus piceus* Marshall, 1897**

Rhopstrocentrus piceus Marshall, 1897: 99; Shenefelt, Marsh, 1976: 1330; Yu et al, 2016.

Rhopstrocentrus quercusi Yang et Cao, 2015: 470, **syn. nov.**

Distribution. Russia: EP (C, S, NC, CR). – Europe (WE, NE, SE, EE), Armenia, Azerbaijan, Turkey, Israel, Iran, Turkmenistan, China, Japan, USA, Mexico, Vietnam, Argentina.

Remarks. Recently described from China (Liaoning Province) *Rhopstrocentrus quercusi* Yang et Cao, 2015 reared from the larva of *Massicus raddei* (Blessig et Solsky, 1872) (Cerambycidae) (Cao et al., 2015) is the junior synonym of *Rh. piceus* Marshall, 1897 (**syn. nov.**). All listed differences between *Rh. quercusi* and *Rh. piceus* (Cao et al., 2015) are nested inside of the range of *Rh. piceus* morphological variability.

Genus *Ipodoryctes* Granger, 1949

Type species: *Ipodoryctes antecistratus* Granger, 1949.

Medium-sized genus mainly distributed in the Oriental and Australasian regions with a few species penetrating to the Eastern Palaearctic. The Palaearctic species with sixth visible metasomal tergites are here included in *Ipodoryctes* on the base of results of the molecular-phylogenetic study of the tribe Rhaconotini (Jasso-Martínez et al., 2019).

***Ipodoryctes formosanus* (Watanabe, 1934), comb. nov.**

Rhaconotus formosanus Watanabe, 1934: 119.

Distribution. Russia: FE (PR). – China (NE, CC, SW, SE), Korean Peninsula, Japan, Vietnam, Malaysia, Indonesia, Caroline Is, Australia.

***Ipodoryctes signipennis* (Walker, 1860), comb. nov.**

Spathius signipennis Walker, 1860: 309.

Distribution. Russia: FE (PR). – China (SE), Japan, India, Sri Lanka, Vietnam, Indonesia.

***Ipodoryctes vagrans* (Bridwell, 1920), comb. nov.**

Hormiopterus vagrans Bridwell, 1920: 321.

Distribution. Russia: FE (PR). – China (SE), Korean Peninsula, Vietnam, Hawaii.

Genus *Rhaconotinus* Hedqvist, 1965, status resurr.

Type species: *Rhaconotinus caboverdensis* Hedqvist, 1965.

Relatively small genus long time considered as synonym of *Rhaconotus* Ruthe. The Palaearctic species of *Rhaconotus* with six visible metasomal tergites and apical area on the second metasomal tergite delineated by furrows have been included in the genus *Rhaconotinus*, which is here restored on the base of the molecular-phylogenetic study of the tribe Rhaconotini (Jasso-Martínez et al., 2019).

***Rhaconotinus iterabilis* (Belokobylskij et Chen, 2004), comb. nov.**

Rhaconotus iterabilis Belokobylskij et Chen, 2004: 337.

Distribution. Russia: FE (PR). – China (NC, SW), Japan (Hon).

***Rhaconotinus nadezhdae* (Tobias et Belokobylskij, 1981), comb. nov.**

Ipodoryctes nadezhdae Tobias et Belokobylskij, 1981: 354.

Distribution. Russia: FE (PR). – China (SW, SE), Korean Peninsula, Japan (Hok, Kyu, Ryu).

***Zombrus bicolor* (Enderlein, 1912)**

Material examined. RUSSIA. Republic of Dagestan: 1 male, 5 km SW of Magaramkent, 41.573° N 48.247° E, 10.VI.2017 (M. Mokrousov leg.).

Distribution. Russia: EP (S, *NC), FE (KH, PR). – Italy (introduced), Kazakhstan, Kyrgyzstan, Mongolia, China (NE, NC, NW, CC, SW, SE), Korean Peninsula, Japan.

Remarks. The specimen (male) from Dagestan belongs to the typical colour form of *Z. bicolor* f. *bicolor* (Enderlein, 1912) (with mainly black metasoma common in the Eastern Asia) contrary to the other specimens from Europe and Central part of Asia having completely pale reddish-brown metasoma [*Zombrus bicolor* f. *sjostedti* (Fahringer, 1929)].

Concerning the *Zombrus* species it needs to pay attention on the molecular support for both colour forms, *Z. b. f. bicolor* (Enderlein, 1912) and *Z. b. f. sjostedti* Fahringer, 1929, which belong to a single species *Z. bicolor* (Enderlein, 1912). Belokobylskij (1994) after studying the colour variation on the numerous material from different localities synonymised the former species name *Z. sjostedti* Fahringer, 1929 with *Z. bicolor* (Enderlein, 1912), but with keeping this name for the metasoma-coloured form. Recently published results of the molecular study (Castañeda-Osorio et al., 2019) of both colour forms on the material from the south of the Russian Far East (Primorskiy Territory, Russia: Khanka District, CNIN3709) and North Caucasus (Daghestan, CNIN3710) definitely confirmed this synonymisation on the level of identical genes (Zaldívar-Riverón et al., 2019).

***Pareucorystes varinervis* Tobias, 1961**

(Figs 1–12)

Pareucorystes varinervis Tobias, 1961: 533; Yu et al., 2016.

Leluthia chinensis Li et van Achterberg in Li et al., 2015: 595, **syn. nov.**

Distribution. Russia: EP (NC), FE (PR). – Europe (WE, SE, EE), Azerbaijan Kazakhstan, China (NC).

Remarks. A study of the description and photos of *Leluthia chinensis* Li et Achterberg, 2015 described from China (Inner Mongolia) and reared from *Agrius* sp. (Coleoptera: Buprestidae) (Li et al., 2015) distinctly showed that this is a senior synonym of *Pareucorystes varinervis* Tobias, 1961 (Figs 1–12).

***Heterospilus cephi* Rohwer, 1925**

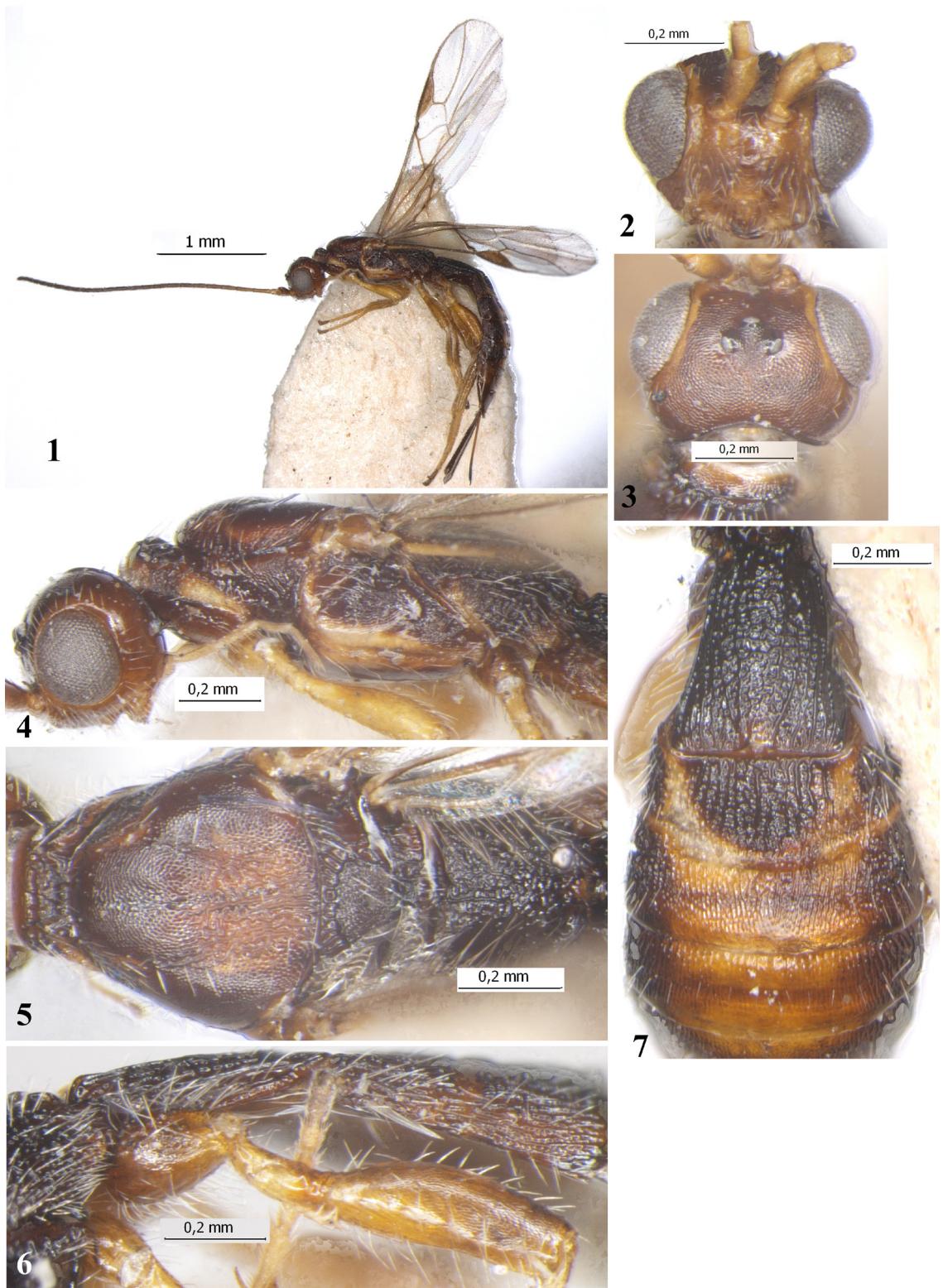
Heterospilus cephi Rohwer, 1925: 178; Shenefelt, Marsh, 1976: 1302; Yu et al., 2016.

Heterospilus magnastigmata Beyarslan, 2019: 36, **syn. nov.**

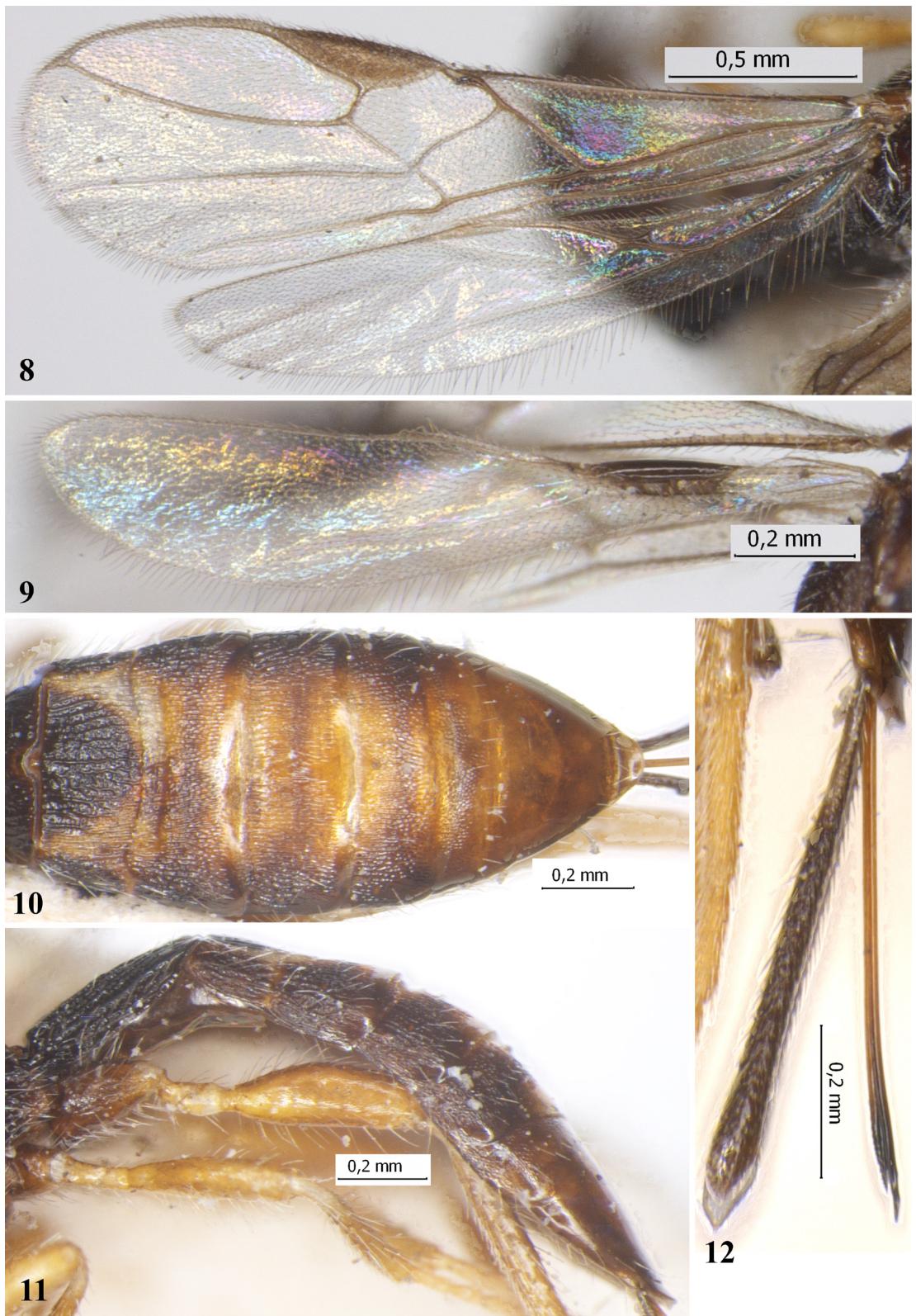
Distribution. Russia: EP (C, S, NC, CR), ES (BR, ZB), FE (KH, PR, SA, KU). – Europe (WE, SE, EE), Tunisia, Georgia, Armenia, Turkey, Israel, Iran, Turkmenistan, Uzbekistan, Tajikistan, Kazakhstan, Mongolia, China (NC, NE, CC, SE), Korean Peninsula, Japan (Honshu), USA.

Remarks. *Heterospilus magnastigmata* Beyarslan, 2019 was described on the base of a single male collected in İğdir Province in the Eastern Anatolia Region, Turkey (Beyarslan, 2019). Unfortunately, the author of this species does not know well Palaearctic Doryctinae taxa and most species previously recorded by him from Turkey (Beyarslan, 2015) should be double confirmed. Similar situation is with just described “new” *Heterospilus* species: most species from this complicate genus are unknown to the author, and as a result he described a new synonymic name for the widely distributed *H. cephi* Rohwer in the not reviewed Turkish journal (this MS was already submitted to the Zootaxa journal and was rejected by referees as not available for publication).

Also need to say that I never seen before and never checked this specimen (as well as the most part of other doryctins) and never recommended the author to describe it as a new taxon (in spite of such indication in Acknowledgement in this paper: Beyarslan, 2019: 39).



Figs 1–7. *Pareucorystes varinervis* Tobias, 1961 (holotype, female). 1 – habitus of body, lateral view; 2 – head, front view; 3 – head, dorsal view; 4 – head and mesosoma, lateral view; 5 – mesosoma, dorsal view; 6 – first to third metasomal tergites, lateral view; 7 – first to fourth metasomal tergites, dorsal view.



Figs 8–12. *Pareucorystes varinervis* Tobias, 1961 (8, 10–12 – holotype, female; 9 – paratype, male). 8 – fore and hind wings; 9 – hind wing; 10 – metasoma without first tergite, dorsal view; 11 – metasoma, lateral view; 12 – ovipositor, lateral view.

***Spathius polonicus* Niezabitowski, 1910**

Material examined. RUSSIA. Republic of Dagestan: 1 female, 12 km SSW of Kizlyar, Novyi Terek River, 43°45' N, 104°40' E, 22–23.VII.2015 (S. Belokobylskij leg.).

Distribution. Russia: EP (C, S, *NC), WS (KM). – Europe (WE, SE, EE), Armenia, Azerbaijan, Turkey, Iran, Turkmenistan, Tajikistan, Uzbekistan.

Subfamily Exothecinae

Tribe Pambolini

***Chremylus elaphus* Haliday, 1933**

Material examined. RUSSIA. Sverdlovskaya Province: 1 female, Ekaterinburg, Chernoistochnik, firry forest, 16.VIII.1982 (V. Trjapitsin leg.). Primorskiy Territory: 2 females, Yuzhno-Morskoy, 15 km W of Nakhodka, at house, 1.VIII.2010 (S. Belokobylskij leg.); 1 female, south part of Primorskiy Territory (without locality), sweeping, 1994 (S. Okulov leg.). GEORGIA. 1 female, Adzharia, Kobuleti, Alambari Village, 15.XI.1968 (K. Tsintsadze leg.).

Distribution. Russia: EP (NW, C, S), *UR, FE (*PR, KU). – Europe (WE, SE, EE, NE), *Georgia, Japan, USA, Argentina, New Zealand.

***Pambolus biglumis* (Haliday, 1836)**

Material examined. RUSSIA. Leningradskaya Province: 1 male, Ladozhskoe Ozero Station, 5.IX.1968 (V. Tobias leg.); 2 males, same locality, 13.VI.1983 (S. Belokobylskij leg.). Voronezh Province: 2 males, Voronezh Nature Reserve, 4.VI & 18.VIII.1950 (D. Dovnar leg.). Republic of Tuva (Tyva): 1 male, Tore-Khol Lake, 20 km S of Erzin, sand, 50°04'53"N 95°09'04"E, 27–28.VII.2009 (S. Belokobylskij leg.).

Distribution. Russia: EP (*NW, *C, S, NC), UR, WS (AL), *ES (TU), PR (PR, MG). – Europe (WE, SE, EE), Kazakhstan, Mongolia.

Tribe Rhysipolini

***Cerophanes kerzhneri* Tobias, 1971**

Material examined. RUSSIA. Chelyabinsk Province: 1 female, Ilmenskiy Nature Reserve, 13.VII.1958 (V. Tobias leg.). UKRAINE. Odessa Province: 1 female, Lesnoe, W of Odessa, 13.VII.1974 (D. Kasparyan leg.).

Distribution. *Russia: UR. – Serbia, Bulgaria, Moldova, *Ukraine, Armenia, Iran, Kazakhstan.

Tribe Avgini

***Avga singularis* Belokobylskij, 1986, stat. resurr.**

Avga singularis Belokobylskij, 1986: 60.

Avga opaca singularis Belokobylskij, 1994: 64; Yu et al, 2016.

Distribution. Russia: ES (YA, ZB), FE (PR). – Korean Peninsula, Japan (Hon).

Remarks. This species was synonymised with *A. opaca* Hellén (Belokobylskij, 1994) on the base of revealed variability of metasomal sculpture on the second and third tergites. Re-study of all known material of this taxon showed the relatively stable presence of rugose-reticulate sculpture at least in the basal half of the second tergite which characterizes this species rather reliably. Additionally, the unpublished yet molecular data (Quicke et al., in preparation) also support the opinion about a separate position of this species.

The presence of sculpture on these two tergites are one of the main diagnostic feature of the genus *Xenosternum* Muesebeck, 1835. Perhaps, *A. singularis* is the member of this former mainly North American genus (Yu et al., 2016).

Tribe Exothecini

***Colastes (Pseudophanomeris) pilosus* Belokobylskij, 1984**

Material examined. RUSSIA. Leningradskaya Province: 5 females, Ladozhskoe Ozero Station, 60°08' N, 30°03' S, meadow, sweeping, 11.VIII.2018 (K. Fadeev leg.).

Distribution. Russia: *EP (NW), FE (PR). – Czechia, Ukraine, Korean Peninsula, Japan (Hon).

Subfamily Rogadinae

Aleiodes (Aleiodes) jakowlewi (Kokujev, 1898)

Material examined. RUSSIA. Chelyabinsk Province: 6 females, Ilmenskiy Nature Reserve, 14–16.VII.1958 (V. Tobias leg.) (V. Tobias det.).

Distribution. Russia: EP (C: Yaroslavl Province), *UR.

Aleiodes (Aleiodes) modestus (Reinhard, 1863)

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 2 females, Taz River, 100 km SE of Ratta, larch forest, 23.VII.1992 (D. Kasparyan leg.); 1 male, Taz River, 75 km SE upper of Ratta, 5.VIII.1992 (D. Kasparyan leg.); 1 male, Verkhne-Tazovskiy Nature Reserve, Taz kordon, 100 km SE of Ratta, 21.VII.1992 (D. Kasparyan leg.).

Distribution. EP (C), *WS (TM), ES (BR), FE (SA, KA). – Europe (WE, SE, EE, NE), Georgia, Armenia, Mongolia, Korean Peninsula.

Aleiodes (Aleiodes) nocturnus (Telenga, 1941)

Material examined. RUSSIA. Republic of Kalmykia: 1 female, 23 km SSE of Khulkhutu, Davsan sands, 46°17' N 046°40' E, 15–16.VII.2015 (S. Belokobylskij leg.). Republic of Dagestan: 1 female, Khodzhal-Makhi, 29.VI (without year) (M. Ryabov leg.).

Distribution. *Russia: EP (S, NC). – Europe (EE), Turkey, Israel, Iran, Turkmenistan, Tajikistan, Uzbekistan, Kazakhstan, Mongolia, China (NE, NC, NW).

Aleiodes (Chelonorhogas) aestuosus (Reinhard, 1863)

Material examined. RUSSIA. Republic of Dagestan: 1 female, 4 km N of Almalo Village, 43.13863°N, 47.21169°E, 25.VI.2018 (M. Mokrousov leg.).

Distribution. Russia: EP (*NC, CR), ES (ZB). – Europe (SE, EE), Tunisia, Caucasus, Syria, Israel, Iran, Afghanistan, Uzbekistan, Kazakhstan, China (NW, CC, SW).

Aleiodes (Chelonorhogas) fahringeri (Telenga, 1941)

Material examined. RUSSIA. Republic of Tuva (Tyva): 1 male, Tore-Khol Lake, 20 km S of Erzin, sand, 50°04'53"N 95°09'04"E, 27–28.VII.2009 (S. Belokobylskij leg.).

Distribution. Russia: ES (*TU, ZB). – Mongolia, China (NC, WP).

Aleiodes (Chelonorhogas) miniatus (Herrich-Schäffer, 1838)

Material examined. RUSSIA. Republic of Tuva (Tyva): 2 females, environs of Uvs-Nur Lake, steppe, flowers, 50°39'58"N 93°04'36"E, 23–24.VII.2009 (S. Belokobylskij leg.).

Distribution. Russia: EP (NW, C, E, S, NC), UR, ES (*TU, KS, IR, ZB). – Europe (WE, NE, SE, EE), Turkey, Syria, Kyrgyzstan, Kazakhstan, Mongolia.

Aleiodes (Neorhogas) quadrum (Tobias, 1976)

Material examined. RUSSIA. Republic of Dagestan: 1 female, near Talgy Village, 42.876294°N, 47.440111°E, 25.VI.2018 (K. Fadeev leg.).

Distribution. *Russia: EP (NC). – Europe (SE, EE), Azerbaijan.

Heterogamus fasciatipennis Ashmead, 1906

Material examined. RUSSIA. Primorskiy Territory: 1 female, Shkotovo District, Anisimovka, Krinichnaya Mt., forest, border of forest, 14–15.VIII.2006 (S. Belokobylskij leg.).

Distribution. Russia: FE (*PR, SA, KU). – Japan (Hok, Hon).

Subfamily Gnamp todontinae

Gnamp todon boreus (Tobias, 1986)

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, Krasnoselkup, 11.VIII.1992 (D. Kasparyan leg.).

Distribution. Russia: **EP** (N), ***WS** (TM).

***Gnaptogaster astrachanica* Belokobylskij, 2007**

Material examined. RUSSIA. Republic of Kalmykia: 13 females, 26 males, Komsomolskiy Settlement, 45°19' N 046°01' E, on Tamarisk sp., 18.VII.2015 (S. Belokobylskij leg.).

Distribution. Russia: **EP** (S).

Subfamily Alysiinae

***Adelurola florimela* (Haliday, 1838)**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, Krasnoselkup, 16–17.VIII.1992 (D. Kasparyan leg.).

Distribution. Russia: **EP** (N, NW, C), ***WS** (TM), **FE** (PR, SA). – Europe (WE, SE, EE, NE), Georgia, Japan (Hon.).

***Alloea bonessi* Fischer, 1966**

Material examined. RUSSIA. Leningradskaya Province: 4 females, Ladozhskoe Ozero Station, 3 & 5.IX.1968, 19.VI.1969 (V. Tobias leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (NW). – Germany, Slovakia, Poland.

***Alyisia incongrua* Nees, 1834**

Material examined. RUSSIA. Chelyabinsk Province: 2 females, Ilmenskiy Nature Reserve, 14.VII.1958 (V. Tobias leg.) (V. Tobias det.). Altai Territory: 1 female, Chikeev spring, from mushroom, 13.VII.1989 (A. Psarev leg.).

Distribution. Russia: **EP** (C), ***UR**, ***WS** (AL), **ES** (BR, ZB), **FE** (KH, PR, SA, KU, KA). – Europe (WE, SE, EE, NE), Georgia, Armenia.

***Aphaereta falcigera* Graham, 1960**

Material examined. RUSSIA. Novgorod Province: 2 females, 20 km NW of Pestovo, Tychkino Village, 28.VII & 2.VIII.1991 (V. Tobias leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (NW). – Europe (WE, SE, EE), Israel, Korean Peninsula.

***Aphaereta major* (Thomson, 1895)**

Material examined. RUSSIA. Leningradskaya Province: 1 female, Murino, forest, 12.VI.1991 (S. Belokobylskij leg.); 1 female, Tolmachevo, 25.VIII.1968 (V. Tobias leg.). Novgorod Province: 20 km NW of Pestovo, Tychkino Village, 28.V.1996 (V. Tobias leg.) (V. Tobias det.); 1 female, same label, but 27.VII.1996. Yaroslavl Province: 2 females, 1 male, “Gegenowo, Danilov uezd, Yaroslavl gubernia”, 2.VI.1914, 25–30.V.1917 & 20.VI.2018 (A. Shestakov leg.); 1 female, “Berditsino, 10.VI.1896”, “Yaroslavl uezd, kol. Kokujeva”; 1 female, “Yaroslavl, 23.VII.1896, Kokujev”. Moscow Province: 1 female, “Moskov.[skiy] u.[ezd], 22.VII.1897”; 2 females, “Serpukh.[ovskoy] u.[ezd], 25.VII.1896”. Samara Province: 1 female, Zhiguli Nature Reserve, meadow, 12.VIII.1986 (I. Lyubrina leg.). Krasnodar Territory: 2 males, Armavir, Khutorok, 23.IV.1930 (N. Telenga leg.). Orenburg Province: 1 female, 1 male, “Katav-Ivanovsk.[iy] z.[avod], Dvoynishi, Uf., Vakulenko [leg.]”, 23.VI & 30.VII.1926.

Distribution. *Russia: **EP** (NW, C, E, NC), **UR**. – Europe (WE, SE, EE, NE), China (NC).

***Aspilota (Aspilota) ruficornis* (Nees, 1834)**

Material examined. RUSSIA. Krasnodar Territory: 4 females, 1 male, Sochi, Lazarevskoe, forest, 5, 18.VI & 3.VII.1979, 18.X.1980 (V. Tobias leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (NC). – Europe (WE, SE, EE, NE), Turkey.

***Idiasta maritima* (Haliday, 1838)**

Material examined. RUSSIA. Volgograd Province: 1 female, 18 km NNE of Kalach-na-Donu, at light, 48°59,4' N, 043°31,3' E, 10.VII.2015 (S. Belokobylskij leg.). Republic of Dagestan: 7 females, 9 km SSW of Kochubey, 44°19' N, 046°36' E, at light, 21–22.VII.2015 (M. Mokrousov leg.); 5 females, same label (S. Belokobylskij leg.); 1 female, same label, Nogay-skaya steppe (M. Mokrousov leg.).

Distribution. Russia: **EP** (NW, *S, *NC), **WS** (AL). – Europe (WE, SE, EE), Kazakhstan, Mongolia, Canada, USA, Mexico.

***Idiasta subannellata* (Thomson, 1895)**

Material examined. RUSSIA. Republic of Crimea: 1 male, Alushta, 19.V.1900 (N. Kuznetsov leg.). Yamal-Nenets Autonomous Area: 1 male, Verkhne-Tazovskiy Nature Reserve, 100 km SE of Ratta, 21.VII.1992 (D. Kasparyan leg.); 1 male, Krasnoselkup, terrace of Taz River, 16.VIII.1992 (D. Kasparyan leg.). KAZAKHSTAN. 1 female, Altai, Rakhmanovskie Klyuchi, 20–23.VII.1989 (A. Psarev leg.).

Distribution. Russia: **EP** (NW, C, *CR), ***WS** (TM). – Europe (WE, EE, NE), Turkey, *Kazakhstan, China (SW, SE).

***Phaenocarpa (Homophyla) lichasherstovi* Telenga, 1935**

Material examined. RUSSIA. Rostov-na-Donu Province: 1 male, Azov District, Port-Katon, 7.VII.2001, from puparium *Phorbia securis* Tien. (Anthomyiidae) (without collector) (V. Tobias det.).

Distribution. *Russia: **EP** (S). – Germany, Ukraine, Kazakhstan.

***Phaenocarpa (Phaenocarpa) canaliculata* Stelfox, 1941**

Material examined. RUSSIA. Leningradskaya Province: 1 female, Tolmachevo, 17.VIII.1960 (V. Tobias leg.) (V. Tobias det.). Novgorod Province: 2 females, 20 km NW of Pestovo, Tychkino Village, 5.VII.1991 & 19.VIII.1996 (V. Tobias leg.) (V. Tobias det.). Yaroslavl Province: 1 female, Belkino (Kokujev collection) (V. Tobias det.). Chelyabinsk Province: 1 female, Ilmenskiy Nature Reserve, 17.VII.1958 (V. Tobias leg.) (V. Tobias det.). Yamal-Nenets Autonomous Area: 2 females, Krasnoselkup, terrace of Taz River, 16–17.VIII.1992 (D. Kasparyan leg.).

Distribution. *Russia: **EP** (NW, C), **UR**, **WS** (TM). – Europe (WE, SE, EE, NE), Georgia, Kazakhstan.

***Phaenocarpa (Phaenocarpa) fridolini* Tobias, 1986**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, Krasnoselkup, 13.VIII.1992 (D. Kasparyan leg.).

Distribution. Russia: **EP** (N), ***WS** (TM).

***Symphanes (Symphanes) aciculata* Foerster, 1863**

Material examined. RUSSIA. Republic of Crimea: 1 male, “Sebastopol, Tauria, Inkerman” 9.IV.1911 (W. Pliginski leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (CR). – Europe (WE, SE, EE).

***Parasymphyta dentata* Tobias, 1998**

Material examined. RUSSIA. Sakhalin Province: 1 male, Kuril Is, North-East of Kunashir I., lower stream of Saratovka River, 14.VII.2014 (Yu. Sundukov and L. Sundukova leg.).

Distribution. Russia: **FE** (KH, PR, *KU). – Korean Peninsula.

***Dinotrema (Dinotrema) marshakovi* Belokobylskij, nom. nov.**

Dinotrema (Dinotrema) concinnum Tobias in Belokobylskij, Tobias, 2007: 25 [not *Dinotrema (Dinotrema) concinnum* (Haliday, 1838)].

Material examined. RUSSIA. Chukotka Autonomous Area: 1 female, “Chukotka, Omolon River, 180 km lower Omolon Settlement, Marshakov [coll.], 4.07.1976”, “Holotypus *Dinotrema (D.) concinnum* Tobias, 2007” (red) (ZISP).

Distribution. Russia: **FE** (CH).

Remarks. Re-named after Dr V.G. Marshakov, the collector of the holotype of this species.

Subfamily Helconinae

***Baeacis semanoti* (Watanabe, 1954)**

Material examined. RUSSIA. Sakhalin Province: 1 female, Kuril Is, North-East of Kunashir I., 150–200 m N of Dalniy spring, 8.VIII.2013 (Yu. Sundukov and L. Sundukova leg.); 3 females, North of Kunashir Island, Dokuchaev Cape, Dokuchaev, 6.VIII.2013 (Yu. Sundukov and L. Sundukova leg.); 1 female, North-West of Kunashir Island, right tributary of Severyanka River, 16.VIII.2013 (Yu. Sundukov leg.).

Distribution. *Russia: **FE** (KU). – Korean Peninsula, Japan (Hon, Shi).

***Diospilus dispar* (Nees, 1811)**

Material examined. RUSSIA. Krasnodar Territory: 1 male, Sochi, Lazarevskoe, Berendeevo, 19.IX.2015 (E. Tselikh, D. Rachin leg.).

Distribution. *Russia: **EP** (NC). – Europe (WE, NE, SE, EE), Israel, Mongolia, Korean Peninsula.

***Diospilus sichotaeanlinicus* Belokobylskij, 1993.**

Material examined. RUSSIA. Sakhalin Province: 1 female, Kuril Is.: North-East of Kunashir Island, 150–200 m N of Dalniy spring, 8.VIII.2013 (Yu. Sundukov and L. Sundukova leg.).

Distribution. Russia: **FE** (PR, *KU).

Subfamily Brachistinae

***Polydegmon intermedius* Szépligeti, 1896**

Material examined. RUSSIA. Stavropol Territory: 1 female, 5 km E of Shpakovskoe, meadow, forest belt, 7.VI.1988 (S. Belokobylskij leg.). Republic of Crimea: 1 female, Bodrak River, Simferopol District, 10.VI.1911 (E. Pavlovskiy leg.). Altai Territory: 1 female, 25 km SSW of Kurya, Savvushka, Kolyvanskoe Lake, 18.VII.2017 (S. Belokobylskij leg.).

Distribution. *Russia: **EP** (NC, CR), **WS** (AL). – Europe (EE), Kazakhstan.

***Polydegmon sinuatus* Foerster, 1863**

Material examined. RUSSIA. Republic of Crimea: 2 females, S slope of Kara-Dag Mountain, 14.V.1972 (V. Tobias leg.). Novosibirsk Province: 2 female, Krasnozerskoe, 29–30.VI.1988 (A. Alexeev leg.).

Distribution. Russia: **EP** (C, S, NC, *CR), **UR**, ***WS** (NS). – Europe (WE, SE, EE), Georgia, Armenia, Azerbaijan, Turkey, Uzbekistan, Kazakhstan.

***Schizoprymnus brevicornis* (Herrich-Schäffer, 1838)**

Material examined. RUSSIA. Volgograd Province: 1 female, 6 km SW of Kamyshin, 50°04' N 045°20' E, 10.VII.2015 (S. Belokobylskij leg.).

Distribution. *Russia: **EP** (S). – Europe (WE, SE, EE), Turkey, Kazakhstan.

Remarks. The known specimens of this rare species have rather distinct and complete first metasomal suture and at least partly (laterally) developed second suture; these characters testify its relation with the members of the genus *Triaspis*.

Subfamily Agathidinae

***Agathis breviseta* Nees, 1812**

Material examined. RUSSIA. Volgograd Province: 1 female, Elton Lake, edfusum of *Apista* sp. (Calliphoridae), coll. 25.IV.1993, reared 20.VI.1993 (V. Anikin leg.).

Distribution. Russia: **EP** (NW, C, E, *S), **UR**, **WS** (TK), **ES** (KR, IR). – Europe (WE, SE, EE, NE), Georgia, Azerbaijan, Turkey, Iran, Tajikistan, Kazakhstan, Mongolia.

***Agathis tatarica* Telenga, 1933**

Material examined. RUSSIA. Republic of Buryatia: 1 female, Ust' Kiran, Zarugeyskiy les, 21.VIII.1908 (Khomze leg.).

Distribution. Russia: **ES** [***RB** (Buryatia, not Irkutsk Province: Tobias, 1963)]. – Europe (SE), Turkey, Kazakhstan, Mongolia.

***Disophrys inculcatrix* (Kriechbaumer, 1898)**

Material examined. RUSSIA. Republic of Dagestan: 1 female, 12 km SSW of Kizlyar, Novyi Terek River, 43°45' N, 046°40' E, 22–23.VII.2015 (M. Mokrousov leg.); 1 female, same label (S. Belokobylskij leg.); 1 female, same label (M. Proshchalykin, V. Loktionov leg.). Astrakhan Province: 1 female, 13 km S of Liman, 45°4' N, 047°14' E, 24–25.VII.2015 (S. Belokobylskij leg.); 2 females, Volzhskoe, 35 km NNW of Astrakhan, 46°38' N, 047°51' E, 26.VII.2015 (S. Belokobylskij leg.). Volgograd Province: 1 female, “Sarepta (= Volgograd), Bekker”. Orenburg Province: 2 females, Burtinskiy District, 15

& 23.VI.1932 (L. Zimin leg.). *Altai Territory*: 1 female, 25 km SSW of Kurya, Savvushka, Kolyvanskoe Lake, 17.VII.2017 (S. Belokobylskij leg.). ABKHAZIA. 1 female, Sukhum, 11.X.1911 (F. Zaytsev leg.).

Distribution. EP (*S, NC, CR), *UR, *WS (AL). – Hungary, Ukraine, *Abkhazia, Georgia, Azerbaijan, Iran.

Remarks. Status of this species should be revised, because it was recorded in the fauna of the former USSR and Russia as *Disophrys inculcator* (Nees) (Telenga, 1955) or *D. inculcator* (Linnaeus) (Tobias et al., 1986).

***Zelodia ruida* (Sharkey, 1996)**

Material examined. RUSSIA. Primorskiy Territory: 1 female, 30 km SE of Ussuriysk, forest, border, 12–17.VII.2001 (S. Belokobylskij leg.).

Distribution. *Russia: FE (PR). – Korean Peninsula, Japan (Hon).

Subfamily Ichneutinae

***Ichneutes flaviventris* Hellén, 1958**

Material examined. RUSSIA. Yaroslavl Province: 1 female, “Gedenowo, Jarossl., Dan., 25.VI.[1]918, A. Schestakow”, “c[ollection] Shestakova”. BELARUS. 1 female, “Belorussia, Khojniky, Chernobyl zone, Dronki, N 2, M.T., 28.VIII.1990, A. Tereshkin leg.” (Yu. Lobodenko det.); 2 females, “Belorussia, Khojniky, Chernobyl zone, Opebury, M.T., oak-forest, 29.VI–5.V.1994, A. Tereshkin leg” (Yu. Lobodenko det.).

Distribution. *Russia: EP (C). – Finland, Hungary, *Belarus.

***Proterops decoloratus* Shestakov, 1940**

Proterops nigripennis var. *decoloratus* Shestakov, 1940: 20.

Material examined. RUSSIA. Primorskiy Territory: 1 female (not male: Shestakov, 1940: 20) (holotype), “Vladivostok, Sedanka, Malaise [printed]”/ back side “d.30/7 [19]30” [handwritten], “*Proterops nigripennis* v. *decoloratus* n. det. Shestakov”, “k. Shestakova”. Republic of Buryatia: 1 female, “Zabaikal’e, Ulan-Ude, 14.VII.[19]62, Kolmakova [leg.]”.

Distribution. Russia: *ES (BR), FE (PR). – China (NC, SW, CC, SE), Korean Peninsula.

Subfamily Orgilinae

***Kerorgilus zonator* (Szépligeti, 1896)**

Material examined. RUSSIA. Volgograd Province: 5 females, 1 male, NW of Elton Lake, Khara River, Chernyavka locality, steppe, bush, 15–17.VI.2004 (S. Belokobylskij leg.); 1 female, same label, 15.VI.2004 (A. Khalaim leg.). Astrakhan Province: 1 female, SE of Baskunchak Lake, steppe, gully, 10.VI.2004 (A. Khalaim leg.). Saratov Province: 2 females, 1 male, Nizhnyaya Bannovka, 29.VI–4.VII.2003 (V. Krivokhatskiy, O. Ovchinnikova leg.). Altai Territory: 1 female, 15 km S of Blagoveshchenka, Kuchukskoe Lake, dry meadow, steppe, 19–21.VII.2017 (S. Belokobylskij leg.).

Distribution. *Russia: EP (E, S), WS (AL). – Germany, Hungary, Greece, Turkey, Iran, China, Mongolia, Korean Peninsula.

***Orgilus anurus* Thomson, 1895**

Material examined. RUSSIA. Leningradskaya Province: 1 female, St Petersburg, Pavlovsk, reared from Coleophoridae, 17.VII.1963 (Ya. Alekseev leg.) (A. Taeger det.). Pskov Province: 1 female, Pskov, reared from apple moth (no data and collector). Republic of Mordovia: 1 male, Saransk, reared from *Eupista* sp. (Coleophoridae) (Skudnova leg.) (A. Taeger det.). Voronezh Province: 1 male, Voronezh Nature Reserve, reared from *Coleophora hemerobiella* Scopoli (Coleophoridae), 29.VI.1949 (D. Dovnar) (A. Taeger det.).

Distribution. *Russia: EP (NW, C, E). – Europe (WE, SE, EE, NE), N America.

Hosts. Endoparasitoid of *Coleophora alnifoliae* Barasch, *C. hemerobiella* Scopoli (**new record**), *C. serratella* L., *Eupista* sp. (**new record**) (Coleophoridae).

***Orgilus capeki* Taeger, 1989**

Material examined. RUSSIA. Republic of Crimea: 2 females, Karadag, reared from the case of *Multicoloria* sp., 19 & 20.VII.1987 (S. Sinev leg.) (A. Taeger det.); 1 male, Karadag, reared from case of *Multicoloria cartilaginea* Christoph, 25.VI.1980 (S. Reznik leg.) (A. Taeger det.).

Distribution. *Russia: EP (CR). – Europe (WE, SE, EE).

Hosts. Endoparasitoid of *Coleophora echinella* Staud., *C. valesianella* Zell., *C. vibicella* Hbn., **Multicoloria cartilaginella* Christ. (**new record**) (Coleophoridae).

***Orgilus claripennis* Ivanov, 1899**

Material examined. RUSSIA. Leningradskaya Province: 1 female, Sosnovo, 1956 (V. Tobias leg.) (V. Tobias det.).

Rostov-na-Donu Province: 1 female, Taganrog, 20.VII.1921 (collector unknown) (V. Tobias det.).

Distribution. *Russia: EP (NW, S). – Moldova, Ukraine, Turkey.

***Orgilus grunini* Tobias, 1986**

Material examined. RUSSIA. Krasnodar Territory: 2 males, Sochi, Lazarevskoe, 26.VI.1974 (V. Tobias leg.) (A. Taeger det.).

Distribution. *Russia: EP (NC). – Europe (WE, EE), Turkey, Kazakhstan.

***Orgilus elongatus* Papp, 1971.**

Material examined. RUSSIA. Republic of Tuva (Tyva): 3 males, Tore-Khol Lake, 20 km S of Erzin, sand, 50°04'53"N 95°09'04"E, 27–28.VII.2009 (S. Belokobylskij leg.).

Distribution. Russia: ES (*TU, ZB). – Mongolia.

***Orgilus hungaricus* Szepligeti, 1896**

Material examined. RUSSIA. Altai Territory: 2 females, 15 km S of Blagoveshchenka, Kuchukskoe Lake, dry meadow, steppe, 19–21.VII.2017 (S. Belokobylskij leg.).

Distribution. *Russia: WS (AL). – Serbia, Hungary, Romania, Turkey, Iran, Kazakhstan.

***Orgilus mongolicus* Taeger, 1989**

Material examined. RUSSIA. Republic of Tuva (Tyva): 12 females, environs of Uvs-Nur Lake, steppe, flowers, 50°39'58"N 93°04'36"E, 23–24.VII.2009 (S. Belokobylskij leg.).

Distribution. *Russia: ES (TU). – Mongolia.

***Orgilus ortrudae* Taeger, 1989**

Material examined. RUSSIA. Stavropol Territory: 1 female, env. Essentuki, Podkumok station, slope with bush, 13.X.1972 (W. Kuslitskiy leg.) (A. Taeger det.). MOLDOVA: 1 male, Karmanovo, forbs, 20.X.1969 (V. Talitskiy leg.) (A. Taeger det.).

Distribution. *Russia: EP (NC). – Hungary, Bulgaria, *Moldova.

***Orgilus rubrator* (Ratzeburg, 1852)**

Material examined. RUSSIA. Kaluga Province: 1 female, env. Kaluga, reared from *Psyche viadrina* Staudinger [= *Megalophanes stetinensis viadrina* Staudinger], 7.VII.1974 (Solyanikov leg.) (V. Tobias det.).

Distribution. *Russia: EP (C). – Europe (WE, SE, EE, NE).

***Stantonia ruficornis* Enderlein, 1921**

Material examined. RUSSIA. Primorskiy Territory: 1 female, 1 male, 25 km SW of Slavyanka, Sukhanovka, forest, bush, 18–20.VIII.1998 (S. Belokobylskij leg.).

Distribution. *Russia: FE (PR). – China (CC, SW, SE), Nepal, Vietnam, Philippines, Malaysia.

Subfamily Blacinae

***Blacus (Blacus) bovistae* Haeselbarth, 1973**

Material examined. RUSSIA. Krasnodar Territory: 2 females, Sochi, Lazarevskoe, terrace slope, forest, 2 & 3.V.1988 (V. Tobias leg.) (V. Tobias det.). Republic of Crimea: 2 females, 5 males, Nikitskiy Botanical Garden, forest, 28.IV & 3–9.V.1972 (V. Tobias leg.) (V. Tobias det.); 1 male, Kara-Dag, steppe, 11.V.1972 (V. Tobias leg.) (V. Tobias det.).

Distribution. *Russia: EP (NC, CR). – Europe (WE, SE, EE), Tunisia, Turkey, Iran.

***Blacus (Ganychorus) capeki* Haeselbarth, 1973**

Material examined. RUSSIA. Krasnodar Territory: 1 male, Sochi, Lazarevskoe, forest on the stream, 1.V.1988 (V. Tobias leg.) (V. Tobias det.).

Distribution. *Russia: EP (NC). – Europe (WE, SE, EE), Turkey, Korean Peninsula.

Subfamily Euphorinae

***Meteorus cinctellus* (Spinola, 1808)**

Material examined. RUSSIA. Yaroslavl Province: 2 females, Belkino, 23.VII.1897 & VI.1898 (N. Kokujev leg.). Voronezh Province: 1 female, 1 male, Voronezh Natural Reserve, 21.VI.1949 & 26.V.1950 (D. Dovnar leg.); 1 female, Ramon, 10.VII.1948 (without collector). Bryansk Province: 6 females, Perevoz Village, 10 km W of Novozybkov, forest, 1–31.VII.1970 (V. Tobias leg.). Chechen Republic: 1 female, 6 km from Itum-Kale, Tazbichi canyon, 8.VI.1972 (D. Kasparyan leg.). Chelyabinsk Province: 1 female, Ilmenskiy Natural Reserve, 16.VII.1958 (V. Tobias leg.). Yamal-Nenets Autonomous Area: Krasnoselkup, 11.VIII.1992 (D. Kasparyan leg.). Republic of Buryatia: 1 female, 7 km S of Znamensk, Khasura, 30.VI.1971 (D. Kasparyan leg.).

Distribution. Russia: *EP (C, NC), *UR, *WS (TM), *ES (BR), FE (KH, PR, SA, KU, KA, MG). – Europe (WE, NE, SE, EE), Turkey, Iran, China (NE, CC, SW, SE), Korean Peninsula, Japan (Hok, Hon), New Zealand.

***Meteorus colon* (Haliday, 1835)**

Material examined. RUSSIA. Republic of Karelia: 3 females, “Kivach” Natural Reserve, caterpillars of *Orgyia antiqua* (L.) (Erebidae), collected 22.VII.1983, cocoon 26.VII.1983, reared 3.VIII.1983 (Kutenkova leg.). Leningradskaya Province: 12 females, 1 male, Tolmachevo, 19–25.VIII.1960 (V. Tobias leg.); 1 female, St Petersburg, Pushkin, 10.VIII.1959 (Yu. Tolstova leg.). Yaroslavl Province: 1 female (N. Kokujev leg.).

Distribution. Russia: *EP (N, NW, C), WS (TM), ES (KR), FE (AM, KH, PR, KA, MG). – Europe (WE, NE, SE, EE), Georgia, Armenia, Azerbaijan, Turkey, Israel, Iran, China (NE, NC, SW, SE), Japan (Hon, Kyu).

***Meteorus consimilis* (Nees, 1834)**

Material examined. RUSSIA. Leningradskaya Province: 4 males, St Petersburg, Komarovo, 25.VII.2008 (A. Il'inskaya leg.); 1 male, Tolmachevo, 25.VIII.1968 (V. Tobias leg.). Novgorod Province: 2 males, 20 km NW of Pestovo, Tychkino Village, 13 & 15.VIII.1990 (V. Tobias leg.). Stavropol Territory: 1 female, 4 males, Shpakovskoe, dendrarium, 8.VII.1988 (S. Belokobylskij leg.); 1 male, 20 km NW of Shpakovskoe, forest belt, 15.VII.1988 (S. Belokobylskij leg.). Altai Territory: 3 males, 15 km S of Blagoveshchenka, Kuchukskoe Lake, dry meadow, steppe, 19–21.VII.2017 (S. Belokobylskij leg.); 1 male, 18 km NNW of Rodino, Novotroitsk env., Kuchuk River, meadow, forest belt, 22.VII.2017 (S. Belokobylskij leg.). Novosibirsk Province: 50 km E of Iskitim, Novosedovo, GK “Yurmanka”, meadow, forest, 6.VIII.2017 (S. Belokobylskij leg.).

Distribution. *Russia: EP (NW, NC), WS (NS, AL). – Europe (WE, NE, SE, EE), Turkey, Iran, Turkmenistan.

***Meteorus heliophilus* Fischer, 1970**

Material examined. RUSSIA. 3 females, “Saratov, Station of forest protection, 1965” (V. Tobias det.).

Distribution. Russia: EP (*E) FE (? KH). – Europe (WE, SE, EE), China (NE, NC), Japan (Hok).

Remarks. The specimen from Khabarovsk Territory determined by V.I. Tobias as *Meteorus heliophilus* is completely destroyed and currently it is impossibly to check and confirm presence of this species in the fauna of Russian Far East.

***Meteorus melanostictus* Capron, 1887**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, Krasnoselkup, terrace of Taz River, 16–17.VIII.1992 (D. Kasparyan leg.). GEORGIA. 1 female, Sioni, forest, 13.VII.1971 (W. Kuslitskiy leg.) (V. Tobias det.).

Distribution. Russia: *WS (TM), FE (PR, SA). – Europe (WE, EE), *Georgia, Korean Peninsula, Japan (Hon).

***Meteorus micropterus* (Haliday, 1835)**

Material examined. RUSSIA. Murmansk Province: 2 females, 2 males, Khibiny Mountains, env. Vudyavr Lake, 30.VIII & 15.IX.1930, 31.VIII & 12.IX.1931 (V. Fridolin leg.) (V. Tobias det.).

Distribution. Russia: *EP (N), FE (KU). – Europe (WE, NE, EE), Turkey, Japan (Shi, Kyu).

***Meteorus obsoletus* (Wesmael, 1835)**

Material examined. RUSSIA. Krasnodar Territory: 1 female, Sochi, Lazarevskoe, forest along stream, 1.V.1988 (V. Tobias leg.) (V. Tobias det.).

Distribution. Russia: *EP (NC), FE (PR, SA). – Europe (WE, NE, SE, EE), Turkey, Iran, Korean Peninsula, Japan.

***Meteorus oculatus* Ruthe, 1862**

Material examined. RUSSIA. Voronezh Province: 3 females, Voronezh Nature Reserve, 29–30.VII.1960 (D. Dovnar leg.) (V. Tobias det.). Chelyabinsk Province: 5 females, Ilmenskiy Nature Reserve, 14, 15 & 18.VII.1958 (V. Tobias leg.) (V. Tobias det.). Yamal-Nenets Autonomous Area: 1 female, Krasnoselkup, terrace of Taz River, 16.VIII.1992 (D. Kasparyan leg.); 1 female, 40 km ESE of Ratta, Taz River, floodplain taiga, 3.VIII.1992 (D. Kasparyan leg.); 2 females, 50 km ESE of Ratta, Taz River, floodplain taiga, 31.VII & 2.VIII.1992 (D. Kasparyan leg.); 1 female, 20 km upper Ratta, Taz River, 6.VIII.1992 (D. Kasparyan leg.); 1 female, SE of Ratta, Taz River, near mouth of Dyndov Taz, 27.VII.1992 (D. Kasparyan leg.).

Distribution. Russia: *EP (C), *UR, *WS (TM), ES (ZB), FE (MG). – Europe (WE, NE, EE), Turkey, Kyrgyzstan.

***Meteorus pulchricornis* (Wesmael, 1835)**

Material examined. RUSSIA. Republic of Crimea: 3 females, 1 male, Nizhegorskiy District, Zelenoe Village, ex *Phthorimaea operculella* (Zeller), 27.VIII, 28.IX & 1.X.1984 (Yu. Kuznetsova leg.); 2 males, same label, but 29.VII.1986. Chelyabinsk Province: 2 females, Ilmenskiy Nature Reserve, 15.VII.1958 (V. Tobias leg.) (V. Tobias det.). Novosibirsk Provinces: 2 females, 1 male, Karasuk env., reared from *Lymantria dispar* L., 8.VII.2010 (V. Martemyanov leg.).

Distribution. Russia: EP (C, NC, *CR), *UR, *WS (NS), ES (IR), FE (AM, PR). – Europe (WE, SE, EE, NE), Morocco, Caucasus, Turkey, Israel, Iran, Kazakhstan, Mongolia, China (NC, NE, CC, SW, SE), Korean Peninsula, Japan, India, Reunion, Australia, New Zealand.

***Meteorus rufus* (De Geer, 1778)**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 3 females, Krasnoselkup, 13, 14 & 17.VIII.1992 (D. Kasparyan leg.).

Distribution. Russia: EP (NW), *WS (TM), ES (YA), FE (KU). – Europe (WE, SE, EE, NE), Turkey, Israel, Iran, China, India.

***Meteorus tenellus* Marshall, 1887**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, 50 km NW of Labytnangi, Sob' River, 250 m, forest, mari, 8.VII.1994 (D. Kasparyan leg.).

Distribution. Russia: EP (N), *WS (TM), ES (YA). – Europe (WE, EE, NE).

***Zele annulicrus* (Thomson, 1895)**

Material examined. RUSSIA. Yaroslavl Province: 1 female, 10 km SW of Pereslavl-Zalesskiy, forest, meadow, 24.VII.1992 (S. Belokobylskij leg.).

Distribution. Russia: *EP (C), FE (PR, KU). – Europe (WE, EE, NE).

***Microctonus haeselbarthi* (Belokobylskij, 2000), comb. nov.**

Perilitus (Townesilitus) haeselbarthi Belokobylskij, 2000a: 102.

Material examined. RUSSIA. Primorskiy Territory: 1 female (holotype), 10 km SE of Chernigovka, forest, glades, 26–28.VIII.1998 (S. Belokobylskij leg.).

Distribution. Russia: FE (PR).

***Microctonus strophosomi* (Haeselbarth, 2008), comb. nov.**

Perilitus strophosomi Haeselbarth, 2008: 1098.

Material examined. RUSSIA. Chelyabinsk Province: 3 females, Ilmenskiy Nature Reserve, 14 & 16.VII.1958 (V. Tobias leg.), “Paratype *Perilitus strophosomi* Haeselbarth”. Republic of Altai: 5 females, “SE Altai, Chuyskaya steppe, Kosh-Agach, on Aster sp. and Dasiphora fruticosa, 3.VIII.1964 (M. Kozlov leg.), “Paratype *Perilitus strophosomi* Haeselbarth”.

Distribution. Russia: **UR**, ***WS** (AL). – Europe (WE, SE, EE), Armenia, Kazakhstan.

Remarks. The study of the paratypes of this species from the collection of ZISP showed that this species belongs to the genus *Microctonus* Wesmael which was recently restored from the synonym of *Perilitus* by Stigenberg et al. (2015).

***Perilitus areolaris* Gerdin et Hedqvist, 1985**

Material examined. RUSSIA. Novgorod Province: 1 female, 20 km NW of Pestovo, Tychkino Village, 13.IX.1986 (V. Tobias leg.).

Distribution. *Russia: **EP** (NW). – Europe (WE, EE, NE).

***Allurus muricatus* (Haliday, 1833)**

Material examined. RUSSIA. Novosibirsk Province: 1 female, Novosedovo, GK “Yurmanka”, meadow, forest, 6.VIII.2017 (S. Belokobylskij leg.).

Distribution. Russia: **EP** (NW), ***WS** (NS). – Europe (WE, NE, SE, EE), Georgia, Armenia, Azerbaijan, Turkey, Israel, Iran, Kazakhstan.

***Asiacentistes alekseevi* (Belokobylskij, 1992)**

Material examined. RUSSIA. Altai Territory: 1 female, 40 km SSE of Zmeinogorsk, Novoaleyskoe, forest, glades, 5–6.VIII.2007 (S. Belokobylskij leg.).

Distribution. Russia: ***WS** (AL), **FE** (PR). – China (Jiangsu, Taiwan), Korean Peninsula.

***Aridelus egregius* (Schmiedeknecht, 1907)**

Material examined. RUSSIA. Altai Territory: 2 females, 15 km S of Blagoveshchenka, Kuchukskoe Lake, dry meadow, steppe, 19–21.VII.2017 (S. Belokobylskij leg.). Republic of Altai: 1 female, Chemal, mixed forest, glades, 19–22.VII.2007 (S. Belokobylskij leg.).

Distribution. Russia: **EP** (NC), ***WS** (AL), **FE** (PR). – Europe (WE, EE), Azerbaijan, Turkey, China (CC, SE), Korean Peninsula.

***Wesmaelia petiolata* (Wollaston, 1858)**

Material examined. RUSSIA. Stavropol Territory: 1 male, 5 km E of Shpakovskoe, meadow, forest belt, 7.VI.1983 (S. Belokobylskij leg.). Altai Territory: 2 females, 8 km S of Biysk, Ust’-Katun’, Pinus forest, dry slopes, 7–8.VII.2007 (S. Belokobylskij leg.).

Distribution. Russia: ***EP** (NC), ***WS** (AL), **FE** (PR). – Europe (WE, SE, EE), Azerbaijan, Turkey, Israel, Iran, Afghanistan, Turkmenistan, Uzbekistan, China (NW, SE), Canada, USA, Mexico, Peru.

***Streblocera (Streblocera) longiscapha* (Westwood, 1882)**

Material examined. RUSSIA. Altai Territory: 11 females, 3 males, 25 km SSW of Kurya, Savvushka, Kolyvanskiy Ridge, forest, 2–4.VIII.2007 (S. Belokobylskij leg.).

Distribution. *Russia: **WS** (AL). – UK, Czechia, Kazakhstan.

Subfamily Macrocentrinae

***Aulacocentrum confusum* He et van Achterberg, 1994**

Material examined. RUSSIA. Primorskiy Territory: 1 female, Khanka District, Novokachalinsk, west coast of Khanka Lake, meadow, oak-forest, 4–7.VIII.2006 (S. Belokobylskij leg.).

Distribution. *Russia: **FE** (PR). – China (SW, NE, CC, SE).

***Macrocentrus buolianae* Eady et Clark, 1964**

Material examined. RUSSIA. Moscow Province: 1 male, Serpukhov, 14–16.VII.1896 (Kokujev collection). Krasnodar Territory: 1 female, 1 male, Anapa, near Sukko, Juniperus open woodland, reared from *Gelechia senticetella* (Staudinger), 12.V.2000 (V. Schurov leg.).

Distribution. *Russia: **EP** (C, NC). – Europe (WE, EE), Turkey, Korean Peninsula, Japan.

Host. *Gelechia senticetella* (Staudinger) (Gelechiidae) (**new record**).

***Macrocentrus gibber* Eady et Clark, 1964**

Material examined. RUSSIA. Tver Province: 1 female, Bezhetsk, 1929 (Alferova leg.). Republic of Crimea, 1 male, Kerch, 12.V.1901 (Yatsenkovskiy leg.).

Distribution. *Russia: EP (C, CR). – Europe (WE, SE, EE, NE), Korean Peninsula, Japan.

Subfamily Homolobinae

***Homolobus (Phylacter) annulicornis* (Nees, 1834)**

Material examined. RUSSIA. Novgorod Province: 6 females. 20 km NW of Pestovo, Tychkino Village, 24, 25 & 30.VIII.1996 (V. Tobias leg.) (V. Tobias det.). Krasnodar Territory: 1 female, Sochi, Lazarevskoe, garden, 1987 (Yu. Zayatz leg.) (V. Tobias det.). Tomsk Province: 1 female, 8 verst from Tomsk, Tom' River, 14.VI.1901 (Shafir leg.); 2 specimens (without metasoma), Elizavetinskiy zavod, 22–29.VII.1899 (Shestakov collection); 2 female, Tomsk, reared from *Archips rosana* (L.) (Tortricidae), 29.VI.1960 & 28.VII.1961 (Z. Babenko leg.). Krasnoyarsk Territory: 1 female, 1 male, Krasnoyarsk (Moravin leg.) (Shestakov collection). Irkutsk Province: 1 male, Irkutsk (V. Yakovlev leg.) (Shestakov collection); 1 male, Usole Village, 1.VII.1910 (I. Ivanova leg.); 1 female, Kuzminskoe Village, 6.VIII.1912 (A. Zav'yalova leg.). GEORGIA. 1 female, Akhaltsikhe District, Khagi, 25.VI.1978 (V. Richter leg.). ARMENIA. 1 female, Tzav, forest, 7.VII.1971 (W. Kuslitskiy leg.).

Distribution. Russia: EP (*NW, C, *NC), *WS (TK), ES (*KR, *IR, BR), FE (AM, PR, SA). – Europe (WE, SE, EE, NE), *Georgia, *Armenia, Azerbaijan, China (NE, C), Korean Peninsula, Japan (Hok, Hon, Kyu).

Subfamily Cheloninae

***Ascogaster brevicornis* Wesmael, 1835**

Material examined. RUSSIA. Yamal-Nenets Autonomous Area: 1 female, 40 km ESE of Ratta, Taz River, floodplain, taiga, 3.VIII.1992 (D. Kasparyan leg.).

Distribution. *Russia: WS (TM). – Europe (WE, EE).

***Ascogaster dentiventris* Telenga, 1941**

Material examined. RUSSIA. Volgograd Province: 1 female, Elton Lake, Khara River, Chernyavka locality, steppe, bush, 15–17.VI.2004 (S. Belokobylskij leg.) (V. Tobias det.).

Distribution. *Russia: EP (S). – Kazakhstan.

***Ascogaster excisa* (Herrich-Schäffer, 1838)**

Material examined. RUSSIA. Republic of Crimea: 1 female, “Bodrak [River], Simf.[eropolskiy] u.[ezd], Krym, 17 V 1911, Pavlovskiy” (V. Tobias det.).

Distribution. *Russia: EP (CR). – Europe (WE, EE, SE), Azerbaijan, Turkey, Kazakhstan, Uzbekistan.

***Ascogaster rugulosa* Tang et Marsh, 1994**

Material examined. RUSSIA. Irkutsk Province: 3 females, 1 male, Dachnaya Station, S of Irkutsk, 22.VII.1978 (D. Kasparyan leg.) (V. Tobias det.).

Distribution. Russia: *ES (IR), FE (? KH). – China (CC, SE), Korean Peninsula.

Remarks. Tobias (2000b) recorded this species from Khabarovsk Territory of Russia, but in the collection of ZISP material for this species is present only from Irkutsk Province.

***Ascogaster vitobiasi* Belokobylskij, nom. nov.**

Ascogaster breviventris Tobias, 2000b: 457, junior homonym, not *Ascogaster breviventris* Granger, 1949.

Distribution. Russia: FE (PR).

***Chelonus annulipes* Wesmael, 1835**

Material examined. RUSSIA. Chelyabinsk Province: 3 females, Ilmenskiy Nature Reserve, 15, 16 & 18.VII.1958 (V. Tobias leg.). Yamal-Nenets Autonomous Area: 1 female, Verkhne-Tazovskiy Nature Reserve, 100 km SE of Ratta, 22.VII.1992 (D. Kasparyan leg.) (V. Tobias det.).

Distribution. Russia: **EP** (NW, C, S, NC), ***UR**, ***WS** (TM), **ES** (YA, ZB), **FE** (KH, PR, SA). – Europe (WE, SE, EE, NE), Caucasus, Turkey, Iran, Afganistan, Tajikistan, Turkmenistan, Uzbekistan, Kazakhstan, China (NW, NE), N America (introduced).

***Chelonus processiventris* Tobias, 1964**

Material examined. RUSSIA. Astrakhan Province: 3 females, 5 km NW of Baskunchak Lake, on Euphorbia, 23.V.1986 (A. Kotenko leg.); 1 female, Baskunchak Lake, Bolshoe Bogdo Hill, 23.V.1986 (A. Kotenko leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (S). – Turkey, Kazakhstan.

***Microchelonus (Microchelonus) calcaratus* Tobias, 1989**

Material examined. RUSSIA. Irkutsk Province: 1 male, 35 km S of Irkutsk, Bolshoy Lug Station, 21.VII.1971 (D. Kas-paryan leg.) (V. Tobias det.).

Distribution. *Russia: **ES** (IR). – Mongolia.

***Microchelonus (Microchelonus) devius* (Tobias, 1964)**

Material examined. RUSSIA. Astrakhan Province: 1 male, Baskunchak Lake, steppe, forest, 8–13.VI.2004 (S. Belokobylskij leg.). Volgograd Province: 2 males, Elton Lake, Khara River, Chernyavka locality, steppe, bush, 15–17.VI.2004 (S. Belokobylskij leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (S). – Croatia, Serbia, Greece, Turkey, Turkmenistan, Tajikistan, Uzbekistan, Kyrgyzstan, Kazakhstan.

***Microchelonus (Microchelonus) pilicornis* (Thomson, 1874)**

Material examined. RUSSIA. Saratov Province: 1 female, Dyakovka, 23–25.VI.2003 (V. Krivokhatskiy, O. Ovchinikova leg.). Astrakhan Province: 3 females, Astrakhan, Gorodskoy Island, forest, meadow, 25–26.VI.2004 (S. Belokobylskij leg.); 1 female, same locality, 26.VI.2004 (A. Khalaim leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (E, S). – Europe (SE, EE, NE), Kazakhstan.

***Microchelonus (Microchelonus) ruptor* Tobias, 2000**

Distribution. Russia: **FE** (Sakhalin Province: not Kamchatka Territory according to Tobias, 2000b: 521).

Remarks. The single specimen (holotype) of this species with Tobias's original identification label is from Sakhalin Island ("10 km Z Anivy [10 km W of Aniva Town], sm. les [mixed forest], Sakhalin, 15 VIII 1981, Belokobylskij [leg.]"). Probably, the geographical label of *M. ruptor* (Kamchatka) presented in the original species description is wrong.

***Microchelonus (Microchelonus) subarcuatus* Tobias, 1986**

Material examined. RUSSIA. Volgograd Province: 8 females, Kamyshin, 17.VI.1949 and 24.V.1950 (G. Viktorov leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (S). – Hungary, Moldova, Armenia, Turkey, Turkmenistan, Uzbekistan, Kyrgyzstan, Kazakhstan.

***Microchelonus (Microchelonus) vescus* (Kokujev, 1899)**

Material examined. RUSSIA. Republic of Kalmykia: 1 male, 20 km SW of Tsagan-Aman, 21.V.1986 (A. Kotenko leg.). Astrakhan Province: 1 female, 1 male, Baskunchak Lake, steppe, forest, 8–13.VI.2004 (S. Belokobylskij leg.). Volgograd Province: 1 female, 2 males, Elton Lake, Khara River, Chernyavka locality, steppe, bush, 15–17.VI.2004 (S. Belokobylskij leg.) (all V. Tobias det.).

Distribution. Russia: ***EP** (S), **FE** (SA). – France, Hungary, Bulgaria, Armenia, Azerbaijan, Turkey, Kazakhstan.

***Phanerotoma (Bracotritoma) gijswijti* van Achterberg, 1990**

Material examined. RUSSIA. Voronezh Province: 3 females, 3 males, Voronezh Nature Reserve, 14.VI.1949, 16 & 26.VI.1950 (D. Dovnar leg.) (V. Tobias det.).

Distribution. *Russia: **EP** (C). – Spain, Moldova.

Subfamily Cardiochilinae

Cardiochiles volgensis Tobias, 1986

Material examined. RUSSIA. Astrakhan Province: 2 females, Enotaevka District, Volzhskiy settlement, 46.965°N 47.53°E, 7 & 23.VII.2017 (M. Mokrousov leg.). Republic of Kalmykia: 1 female, 17 km SWW of Artezian, Kuma River, 44°56'N 046°27'E, 19–21.VII.2015 (S. Belokobylskij leg.). Republic of Dagestan: 1 male, Derbent District, Kamyschchay River valley, 41.908°N 48.233°E, 11.VI.2017 (M. Mokrousov leg.).

Distribution. Russia: EP (S,*NC).

Remarks. In female, the head and most part of mesosoma (except dark its lower part) is light reddish brown.

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