

**NEW RECORDS OF THE CHALCID WASPS OF THE FAMILY
PTEROMALIDAE (HYMENOPTERA: CHALCIDOIDEA) FROM RUSSIA**

E. V. Tselikh

*Zoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St. Petersburg
199034, Russia. E-mail: tselikhk@gmail.com*

Summary. An annotated list of fifty eight species in eight subfamilies of Pteromalidae is given. Two genera (*Pachycrepoideus* Ashmead, 1904 and *Urolepis* Walker, 1846) and fifteen species are recorded for the first time from the fauna of Russia, and forty three species are new for the different regions of Russia. A new data of host-parasitic associates for twelve species are given.

Key words: Pteromalidae, fauna, new records, new host records, Europe, Asia.

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Резюме. Приведен аннотированный список 58 видов хальцид из 8 подсемейств семейства Pteromalidae. Для фауны России впервые указываются 2 рода (*Pachycrepoideus* Ashmead, 1904 и *Urolepis* Walker, 1846) и 15 видов, а для отдельных регионов России – 43 вида. Для 12 видов приводятся новые хозяино-паразитные связи.

INTRODUCTION

Pteromalidae is one of the largest families of parasitic Hymenoptera, whose members are distributed in all zoogeographical regions of the world. It currently contains 588 genera and 3506 species placed in 30 subfamilies (Noyes, 2019). Pteromalidae is most diverse family of parasitic Hymenoptera and have different forms of parasitism: single and multi, ecto and endoparasitism, they parasiting on eggs, larvae and pupae and imago of insect (imagobointy). Pteromalidae is an economically important family regulating the abundance of many agricultural pests, because many species are primary parasitoids.

The fauna of Pteromalidae of Russia was studied for 145 years (1874–2019). Up to this study the list of Pteromalidae distributed in the Russia includes 396 species in 134 genera from 13 subfamilies (Walker, 1874; Nikolskaya, 1952; Chumakova, 1956; Graham, 1969; Pilipyuk, 1971; Arefin, 1974; Herting, 1976; Kamiyo, 1983; Dzhankmen, 1978, 1982, 1984, 1986, 1993; Gibson & Vikberg, 1998; Tselikh, 2010, 2011, 2012a, 2012b, 2015a, 2015b, 2016a, 2016b, 2018; Tselikh et al., 2017; Tselikh & Kostjukov, 2017; Tselikh & Mitroiu, 2014; Noyes, 2019).

The present study is based on examination of the material from collections of the Zoological Institute RAS (St. Petersburg) and the Natural History Museum (London).

Species records for the first time from the fauna of regions of Russia and new data of host-parasitic associates are marked by asterisk (*), from the fauna of Russia by double asterisks (**).

LIST OF THE SPECIES

Subfamily Asaphinae

Asaphes suspensus (Nees, 1834)

MATERIAL EXAMINED. **Russia:** *Tyumenskaya oblast*, 2 km NW Tyumen, Bereznyakovski, 3.VII 2018, 2 ♀, 1 ♂ (Tselikh); 35 km E Tyumen, Krivodanovo, 4.VII 2018, 1 ♀ (Tselikh); 25 km SE Tyumen, Borovski, Lake Andreevskoe, 8.VII 2018, 1 ♂ (Tselikh); *Altai republic*, Mountain Malaya Sinyukha, Manzherok, 16.VIII 2018, 2 ♀ (Tselikh); *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzherok, 8–9.VIII 2018, 2 ♀ (Tselikh).

DISTRIBUTION. **Russia:** Belgorodskaya oblast, Voronezhskaya oblast, Krasnodarski krai, Stavropol'ski krai, Kurganskaya oblast, Tyumenskaya oblast*, Novosibirskaya oblast, Altai republic*, Altaiski krai*, Amurskaya oblast, Primorski krai, Sakhalinskaya oblast, Kamchatka. – Europe, N Africa, Turkey, Israel, Iran, Pakistan, Kyrgyzstan, Kazakhstan, China, Korea, Japan, N America, India, S America.

Subfamily Cleonyminae

Heydenia pretiosa Förster, 1856

MATERIAL EXAMINED. **Russia:** *Crimea*, Crymski Reserve, 31.VII 1928, reared from *Pityogenes bistridentatus*, 1 ♂; *Tyumenskaya oblast*, Tyumen, 16.VII 1954, 1 ♀ (Mashnina).

DISTRIBUTION. **Russia:** Leningradskaya oblast, Samarskaya oblast, Krasnodarski krai, Crimea*, Tyumenskaya oblast*. – Europe, Israel, Iran.

Oodera formosa (Giraud, 1863)

MATERIAL EXAMINED. **Russia:** *Saratovskaya oblast*, Saval'sk, 5.VII 1954, reared from *Agrilus viridis*, 1 ♀ (Stark).

DISTRIBUTION. **Russia:** Saratovskaya oblast*, Rostovskaya oblast, Krasnodarski krai. – Europe, Iran.

Subfamily Diparinae

***Dipara petiolata* Walker, 1833

MATERIAL EXAMINED. **Russia:** *Kaluzhskaya oblast*, Sivkovo, 14.VIII 1979, 1 ♂ (Triapitsyn).

DISTRIBUTION. **Russia:** Kaluzhskaya oblast. – Europe, Iran, N America.

Subfamily Eunotinae

***Scutellista caerulea* (Fonscolombe, 1832)

MATERIAL EXAMINED. **Russia:** *Moskovskaya oblast*, Moskva, 1948, 1 ♀.

DISTRIBUTION. **Russia:** Moskovskaya oblast. – Europe, N Africa, Georgia, Azerbaijan, Turkey, Lebanon, Israel, China, Japan, SE Asia, India, Africa, S America, Australia.

Subfamily Miscogastrinae

*****Halticoptera polita* (Walker, 1834)**

MATERIAL EXAMINED. **Russia:** *Krasnodarski krai*, Anapa, reared from *Gelechia senticetella*, 11.III 2000, 1 ♀ (Mikhailova).

DISTRIBUTION. **Russia:** *Krasnodarski krai*. – Europe, Turkey, China.

*****Sphaeripalpus fuscipes* (Walker, 1833)**

MATERIAL EXAMINED. **Russia:** *Kemerovskaya oblast*, Prokop'evsk, 10–25.VII 1958, 3 ♀ (Kovaleva).

DISTRIBUTION. **Russia:** *Kemerovskaya oblast*. – Europe.

Subfamily Ormocerinae

***Systasis encyrtoides* Walker, 1834**

MATERIAL EXAMINED. **Russia:** *Krasnodarski krai*, Krasnodar, VI–VII 1946, 55 ♀, 15 ♂ (Voronov).

DISTRIBUTION. **Russia:** *Krasnodarski krai**, *Amurskaya oblast*, *Primorski krai*, *Sakhalinskaya oblast*, *Magadanskaya oblast*. – Europe, N Africa, Azerbaijan, Turkey, Israel, Iran, Kazakhstan, China, N America.

Subfamily Pteromalinae

***Anogmus piceae* (Ruschka, 1921)**

MATERIAL EXAMINED. **Russia:** *Kirovskaya oblast*, Arbazhsky district, 14.II 1967, 10 ♀.

DISTRIBUTION. **Russia:** *Karelia*, *Leningradskaya oblast*, *Kirovskaya oblast **. – Europe.

***Anogmus strobilorum* (Thomson, 1878)**

MATERIAL EXAMINED. **Russia:** *Kirovskaya oblast*, Arbazhsky district, 10.II 1967, 2 ♀.

DISTRIBUTION. **Russia:** *Karelia*, *Leningradskaya oblast*, *Kirovskaya oblast **. – Europe, Kazakhstan.

*****Chlorocytus scandolensis* Rasplus, 1991**

MATERIAL EXAMINED. **Russia:** *Stavropol'ski krai*, Arkhyz, reared from *Lixus* sp., VII 2004, 7 ♀, 1 ♂ (Halfendorf).

DISTRIBUTION. **Russia:** *Stavropol'ski krai*. – Europe.

*****Coelopisthia caledonica* Askew, 1980**

MATERIAL EXAMINED. **Russia:** *Primorski krai*, Lazovski Zapovednik, Tachingousa, 43°11'7"N, 134°07'46"E, sandy coast, MT, 05.VII–14.VII 2001, 1 ♀; same locality, 19.VII–04.VIII.2001, 1 ♀, NHMUK 013456185; Lazo, 43°30'30"N, 134°06'58"E, 1353 m, MT, 03.VII–03.VIII 2001, 1 ♀, NHMUK 013456048.

DISTRIBUTION. **Russia:** *Primorski krai*. – Europe, Turkey, China.

***Callitula bicolor* Spinola, 1811**

MATERIAL EXAMINED. **Russia:** *Novosibirskaya oblast*, reared from *Oscinella pusilla*, VIII 1967, 1 ♀ (Chukanova); *Irkutskaya oblast*, Podun', E Tungusk, 1967, 1 ♀ (Chekanovski).

DISTRIBUTION. Russia: Leningradskaya oblast, Moscovskaya oblast, Voronezhskaya oblast, Novosibirskaya oblast*, Irkutskaya oblast*, Primorski krai, Sakhalinskaya oblast, Kamchatka, Magadanskaya oblast. – Europe, N Africa, Azerbaijan, Iran, Kazakhstan, China, N America.

*****Callitula pyrrhogaster* (Walker, 1833)**

MATERIAL EXAMINED. **Russia:** *Karelia*, Kartesh, 23.VII 1984, 1 ♀ (Voinovich); *Leningradskaya oblast*, Dibuni, 15.V 1984, 1 ♀ (Sharkov).

DISTRIBUTION. Russia: Karelia, Leningradskaya oblast. – Europe.

***Conomorium patulum* (Walker, 1835)**

MATERIAL EXAMINED. **Russia:** *Volgogradakaya oblast*, Kamyshin, 2.VIII 1949, 3 ♀, 2 ♂ (Viktorov); *Novosibirskaya oblast*, Novosibirsk, reared from *Bupalus piniaria**, 25.VIII 1968, 37 ♀, 11 ♂ (Gavrina); *Kabardino-Balkarskaya republic*, Nal'chik, VII 1949, 1 ♀ (Kovalenko); *Yakutiya*, Amginskaya sloboda, 10.VIII 1925, 1 ♀ (Bianki).

DISTRIBUTION. Russia: Volgogradakaya oblast*, Kabardino-Balkarskaya republic*, Novosibirskaya oblast*, Yakutiya*, Primorski krai, Sakhalinskaya oblast. – Europe, N Africa, Armenia, Turkey, Iran, Turkmenistan, Kazakhstan, Korea, Japan.

***Coruna clavata* Walker, 1833**

MATERIAL EXAMINED. **Russia:** *Altai republic*, mountain Malaya Sinyukha, Manzhetrok, 16.VIII 2018, 2 ♀ (Tselikh); *Kemerovskaya oblast*, Novokuznetsk, reared from *Dysaphis sorbi**, 22.VI 1967, 2 ♀ (Egorova).

DISTRIBUTION. Russia: Leningradskaya oblast, Kemerovskaya oblast, Altai republic*, Amurskaya oblast, Khabarovski krai, Kamchatka. – Europe, Kazakhstan, Korea, Japan, N America, India.

***Cyrtogaster vulgaris* Walker, 1833**

MATERIAL EXAMINED. **Russia:** *Leningradskaya oblast*, Sosnovo, 25.IV 1983, 1 ♀ (Kasparyan).

DISTRIBUTION. Russia: Komi, Leningradskaya oblast*, Krasnodarski krai, Stavropol'ski krai, Permski krai, Sakhalinskaya oblast. – Europe, N Africa, Azerbaijan, Turkey, Iran, Kazakhstan, N America.

***Dibrachoides dynastes* (Förster, 1841)**

MATERIAL EXAMINED. **Russia:** *Rostovskaya oblast*, Gigant, 25.VI 1948, 9 ♀, 6 ♂ (Birsh).

DISTRIBUTION. **Russia:** Rostovskaya oblast*, Orenburgskaya oblast. – Europe, N Africa, Turkey, Iran, Kyrgyzstan, Kazakhstan, N America.

*****Dibrachys affinis* Masi, 1907**

MATERIAL EXAMINED. **Russia:** *Crimea*, Nikitski botanical garden, reared from *Caropocapsa pomonella*, 27.VI 1972, 1 ♀ (Saakyan).

DISTRIBUTION. Russia: Crimea. – Europe, North Africa, Turkey, Iran.

***Dibrachys microgastri* (Bouché, 1834)**

MATERIAL EXAMINED. **Russia:** *Belgorodskaya oblast*, Alekseevski district, Gorki, 31.VIII 1973, 5 ♀ (Tuganov); Borisovka, Nature Reserve “Les na Vorskle”, 20.I 1984, 4 ♀, 2 ♂ (Krivokhatski); *Kurskaya oblast*, Glushkovo, reared from *Malacosoma neustria*, VII 1957, 19 ♀, 2 ♂ (Belizin); *Tambovskaya oblast*, Michurinsk, reared from *Aegeria myopaeformis*, VII 1965, 5 ♀, 1 ♂ (Dobroserdov); *Novosibirskaya oblast*, 15.VII 1950, 2 ♀, 1 ♂ (Cherepanov); *Chelyabinskaya oblast*, Bredi, reared from *Craesus septentrionalis**, 10.VIII 1977, 8 ♀ (Sokolov); *Khabarovski krai*, 20.IX 1964, 1 ♀ (Kasparyan).

DISTRIBUTION. Russia: Leningradskaya oblast, Belgorodskaya oblast*, Kurskaya oblast*, Tambovskaya oblast*, Kalmikiya, Krasnodarski krai, Novosibirskaya oblast*, Chelyabinskaya oblast*, Khabarovski krai*, Kamchatka, Magadanskaya oblas. – Europe, N Africa, Turkey, Syria, Iran, Afghanistan, Pakistan, Turkmenistan, Tajikistan, Uzbekistan, Kyrgyzstan, Kazakhstan, Mongolia, China, Korea, Japan, N America, SE Asia, India, Africa, S America, Australia.

***Diglochis sylvicola* (Walker, 1835)**

MATERIAL EXAMINED. **Russia:** *Murmanskaya oblast*, Kol'sk, Lake Vud'yavr, 13.VIII 1931, 1 ♀ (Fridolin); *Irkutskaya oblast*, Padun', 1967, 1 ♀ (Chekanovski); *Nizhegorodskaya oblast*, Staraya Pustin', 24.VIII 1987, 1 ♀ (Tryapitsin); *Yakutia*, Yakutsk, 2.VII 1927, 1 ♀ (Moskvin).

DISTRIBUTION. Russia: Karelia, Murmanskaya oblast*, Leningradskaya oblast, Kostromskaya oblast, Nizhegorodskaya oblast*, Voronezhskaya oblast, Tyumenskaya oblast, Irkutskaya oblast*, Yakutia*, Primorski krai. – Europe, Iran, Kazakhstan.

*****Dinarmus basalis* (Rondani, 1877)**

MATERIAL EXAMINED. **Russia:** *Leningradskaya oblast*, reared from *Bruchus atomarius**, 1950, 1 ♀ (Levin); *Samarskaya oblast*, Samara, 30.V 04, 1 ♀ (Timasheva); *Krasnodarski krai*, Krimskaya, reared from *Bruchus pisorum*, 1940, 2 ♀, 1 ♂ (Zagainyi); Anapa, reared from *Bruchus pisorum*, 1957, 4 ♀ (Tereshenko); Adler, reared from *Bruchus pisorum*, 6.VIII 34, 3 ♀, 3 ♂ (Shcheglov); 10.IX 1947, 1 ♂ (Popov).

DISTRIBUTION. Russia: Leningradskaya oblast, Samarskaya oblast, Krasnodarski krai. – Europe, N Africa, Israel, Iran, Pakistan, Kazakhstan, N America, India, SE Asia, Africa, S America.

***Erdoesina alboannulata* (Ratzeburg, 1852)**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, Volchikha, 12.VI–21.VII 1979, reared from *Macaria liturata**, 6 ♀ (Litvenchuk).

DISTRIBUTION. Russia: Voronezhskaya oblast, Altaiski krai*. – Europe, Azerbaijan, Turkey, Uzbekistan, Kazakhstan.

***Erdoesina boarmiae* Boucek, 1967**

MATERIAL EXAMINED. **Russia:** *Voronezhskaya oblast*, Natural Reserve “Khoperski”, reared from *Panolis flammea**, IX 1974, 5 ♀ (Trofimova).

DISTRIBUTION. Russia: Voronezhskaya oblast*, Tomskaya oblast, Primorski krai.

***Euneura sopolis* (Walker, 1844)**

MATERIAL EXAMINED. **Russia:** *Kaliningradskaya oblast*, Kushchskaya kosa, reared from *Cinara pinea*, 20–23.VII 1989, 15 ♀, 11 ♂ (Manukyan).

DISTRIBUTION. **Russia:** *Kaliningradskaya oblast**, *Primorski krai*. – Europe, Korea, Japan.

***Holcaeus compressus* (Walker, 1836)**

MATERIAL EXAMINED. **Russia:** *Irkutskaya oblast*. Padun', "67. 39730", 1 ♀ (Chekanovski).

DISTRIBUTION. **Russia:** *Irkutskaya oblast**, *Chukotka*. – Europe.

***Holcaeus stylatus* Graham, 1969**

MATERIAL EXAMINED. **Russia:** *Altai republic*, Mountain Malaya Sinyukha, Manzherok, 16.VIII 2018, 1 ♀ (Tselikh).

DISTRIBUTION. **Russia:** *Altai republic**, *Primorski krai*, *Sakhalinskaya oblast*, *Kamchatka*. – Europe.

***Homoporus destructor* (Say, 1817)**

MATERIAL EXAMINED. **Russia:** *Nizhegorodskaya oblast*, reared from *Mayetiola destructor*, 2.VIII 1932, 1 ♀ (Esterberg); *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzherok, 16–18.VIII 2018, 2 ♀ (Tselikh).

DISTRIBUTION. **Russia:** *Leningradskaya oblast*, *Nizhegorodskaya oblast**, *Rostovskaya oblast*, *Krasnodarski krai*, *Stavropol'ski krai*, *Altaiski krai**. – Europe, N Africa, China, N America, SE Asia.

***Homoporus luniger* (Nees, 1834)**

MATERIAL EXAMINED. **Russia:** *Tyumenskaya oblast*, 2 km NW Tyumen, Bereznyakovski, 3.VII 2018, 1 ♀ (Tselikh); *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzherok, 8–19.VIII 2018, 2 ♀ (Tselikh).

DISTRIBUTION. **Russia:** *Krasnodarski krai*, *Tyumenskaya oblast**, *Altaiski krai**. – Europe, Kazakhstan, China.

***Homoporus nypsius* (Walker, 1839)**

MATERIAL EXAMINED. **Russia:** *Kostromskaya oblast*, Kostroma, 10.VIII 1933, 1 ♀ (Gussakovski); *Orenburgskaya oblast*, Orsk, 23.VII 1936, 1 ♀ (Grigor'eva).

DISTRIBUTION. **Russia:** *Kostromskaya oblast**, *Orenburgskaya oblast**, *Primorski krai*. – Europe, N Africa, Kazakhstan, N America, Australia.

***Mesopolobus mediterraneus* (Mayr, 1903)**

MATERIAL EXAMINED. **Russia:** *North Osetia*, Mikhailovskoe, reared from *Cydia pomonella**, 17.IX 1975, 6 ♀, 6 ♂.

DISTRIBUTION. **Russia:** *North Osetia**, *Primorski krai*. – Europe, Turkey.

***Mokrzeckia pini* (Hartig, 1838)**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzherok, 16–18.VIII 2018, 1 ♀ (Tselikh); *Chalcidoidea*, VI–1954, reared from *Protapanteles*

*liparidis**, 3 ♀; *Tomskaya oblast*, Kolpashevski district, reared from *Cotesia ordinaria**, 9.VII 1955, 5 ♀, 3 ♂ (Kolomiets); *Zabaikal'e*, reared from *Cotesia rubecula**, 1952, 3 ♀, 4 ♂ (Boldaruev).

DISTRIBUTION. Russia: Krasnodarski krai, *Tomskaya oblast*, *Altaiski krai**, Primorski krai, Kamchatka. – Europe, North Africa, China, Korea, Japan.

***Nasonia vitripennis* (Walker, 1836)**

MATERIAL EXAMINED. **Russia:** *Voronezhskaya oblast*, 1957, reared from *Hylesinus fraxini**, 1 ♀ (Tumanov); *Tomskaya oblast*, Timiryazevskoe, 31.I 1963, reared from *Pexopsis aprica**, 20 ♀, 3 ♂ (Kol'min).

DISTRIBUTION. Russia: Leningradskaya oblast, Belgorodskaya oblast, Volgogradskaya oblast, Stavropol'ski kari, *Tomskaya oblast**, Primorski krai. – Europe, N Africa, Turkey, Israel, Iran, Pakistan, Kyrgyzstan, Kazakhstan, China, Korea, Japan, N America, India, S America.

***Norbanus obscurus* (Masi, 1922)**

MATERIAL EXAMINED. **Russia:** *Krasnodarski krai*, Slavyansk na Kubani, reared from *Cephus pygmaeus*, 11.VI 1976, 2 ♀, 1 ♂ (Tralenko and Kozhushko); Armavir, Gul'kevichi, 21.VI 1926, 1 ♂ (Nosova); *Stavropol'ski krai*, Stavropol', IX 1926, 2 ♀ (Mamonov); 10.X 1926, 1 ♀ (Shcheglov).

DISTRIBUTION. Russia: Krasnodarski krai*, Stavropol'ski krai*, without regions (Rizzo & Mitroiu, 2010). – Europe, Azerbaijan, Turkey, Syria, Iran, Kazakhstan, Africa.

*****Pachycrepoideus vindemmiae* (Rondani, 1875)**

MATERIAL EXAMINED. **Russia:** *Crimea*, Nikitski botanical garden, reared from *Coccus hesperidum*, 11.IX 1961, 1 ♀ (Sahakyan).

DISTRIBUTION. Russia: *Crimea*. – Europe, N Africa, Turkey, Israel, Iran, Uzbekistan, Kyrgyzstan, Kazakhstan, Korea, Japan, N America, SE Asia, India, Africa, S America, Australia.

***Panstenon oxylus* (Walker, 1839)**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzhelok, 16–18.VIII 2018, 1 ♀ (Tselikh).

DISTRIBUTION. Russia: *Altaiski krai**, Primorski krai, Sakhalinskaya oblast, Kamchatka. – Europe, China, Korea, Japan.

***Paracarotomus cephalotes* Ashmead, 1894**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, "Biryuzovaya Katun", 8 km S Manzhelok, 16–18.VIII 2018, 1 ♂ (Tselikh).

DISTRIBUTION. Russia: *Altaiski krai**, Irkutskaya oblast, Amurskaya oblast, Primorski krai, Sakhalinskaya oblast. – Europe, Iran, Kazakhstan, N America, India, Africa, Australia.

***Plutothrix acuminata* (Thomson, 1878)**

MATERIAL EXAMINED. **Russia:** *Kostromskaya oblast*, Kostroma, 19.VIII 1933, 1 ♀ (Gussakovski).

DISTRIBUTION. Russia: *Kostromskaya oblast**, Sakhalinskaya oblast. – Europe.

*****Plutothrix coelius* (Walker, 1839)**

MATERIAL EXAMINED. **Russia:** *Kostromskaya oblast*, Kostroma, 19.VIII 1933, 1 ♀ (Gussakovski).

DISTRIBUTION. Russia: Kostromskaya oblast. – Europe.

***Psilocera crassispina* (Thomson, 1878)**

MATERIAL EXAMINED. **Russia:** *Moskovskaya oblast*, Kolomna, 12.VIII 1925, 1 ♀ (Nikol'skaya).

DISTRIBUTION. Russia: *Moskovskaya oblast**, *Amurskaya oblast*, *Khabarovski krai*, *Primorski krai*, *Sakhalinskaya oblast*, *Kamchatka*. – Europe, Kazakhstan.

***Pteromalus apum* (Retzius, 1783)**

MATERIAL EXAMINED. **Russia:** *Voronezhskaya oblast*, Voronezh, reared from *Megachile rotundata*, 5.I 1982, 2 ♂ (Dobrynin).

DISTRIBUTION. Russia: *Saratovskaya oblast*, *Voronezhskaya oblast**, *Krasnodarski krai*, *Omskaya oblast*, *Altaiski krai*. – Europe, Turkey, N America, S America.

***Pteromalus dispar* (Curtis, 1827)**

MATERIAL EXAMINED. **Russia:** *Kostromskaya oblast*, Vasil'evskoe, 21.VII.1930, 1 ♀ (Gussakovski); *Vladimirskaia oblast*, Vladimir, reared from *Pandemis heparana**, 9.VII 1930, 1 ♂ (Skorikova).

DISTRIBUTION. Russia: *Kostromskaya oblast**, *Vladimirskaia oblast **, *Krasnodarski krai*, *Magadan*. – Europe, Pakistan, Kazakhstan.

***Pteromalus musaeus* Walker, 1844**

MATERIAL EXAMINED. **Russia:** *Moskovskaya oblast*, Dmitrov, reared from *Terellia tussilaginis*, 2.III–8.IV 1948, 1 ♀, 2 ♂ (Rozhkov).

DISTRIBUTION. Russia: *Moskovskaya oblast**, without regions (Herting, 1978). – Europe.

***Pteromalus semotus* (Walker, 1834)**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, Kluchi, 14.VII 1952, 6 ♀ (Kolomiets).

DISTRIBUTION. Russia: *Moskovskaya oblast*, *Samarskaya oblast*, *Karachaevo-Cherkessiya*, *Altaiski krai**, *Kamchatka*. – Europe, N Africa, Turkey, Syria, Pakistan, Turkmenistan, Kazakhstan, China, Japan, N America, India, Australia.

***Rohatina monstrosa* Boucek, 1954**

MATERIAL EXAMINED. **Russia:** *Moskovskaya oblast*, Mamontovka, 23.VII 2003, 1 ♀ (Tryapitsin).

DISTRIBUTION. Russia: *Moskovskaya oblast**, *Crimea*. – Europe.

46. *Schizonotus sieboldi* (Ratzeburg, 1848)

MATERIAL EXAMINED. **Russia:** *Irkutskaya oblast*, reared from *Chrysomela populi*, 16.VII 1953, 3 ♀, 1 ♂ (Tomilova); *Yakutiya*, Yakutsk, Botanical Garden, 4–5.VIII 1980, 5 ♀, 2 ♂ (Kaimuk).

DISTRIBUTION. Russia: *Leningradskaya oblast*, *Altaiski krai*, *Irkutskaya oblast**, *Primorski krai*, *Kamchatka*. – Europe, Turkey, Iran, Pakistan, Turkmenistan, Uzbekistan, Kazakhstan, China, N America.

***Spaniopus monospilus* (Thomson, 1878)**

MATERIAL EXAMINED. **Russia:** *Sverdlovskaya oblast*, Nizhni Tagil, 21.VIII 1982, 1 ♂ (Tryapitsin).

DISTRIBUTION. **Russia:** *Sverdlovskaya oblast**, *Evreiski autonomous region*. – Europe, N America.

*****Stenomalina laticeps* (Walker, 1850)**

MATERIAL EXAMINED. **Russia:** *Pskovskaya oblast*, Polonoe, reared from *Chlorops pumilionis*, 26.VI 1970, 1 ♀ (Danilov).

DISTRIBUTION. **Russia:** *Pskovskaya oblast*. – Europe, Turkey, Kazakhstan, China.

***Stichocrepis armata* Förster, 1860**

MATERIAL EXAMINED. **Russia:** *Voronezhskaya oblast*, Natural Reserve “Voronezhski”, reared from *Panolis flammea**, 1.VI 1939, 9 ♀.

DISTRIBUTION. **Russia:** *Voronezhskaya oblast**, *Altaiski krai*. – Europe, Kazakhstan.

***Synedrus kasparyani* Tselikh, 2013**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, “Biryuzovaya Katun”, 8 km S Manzhelok, 8–9.VIII 2018, 1 ♀ (Tselikh).

DISTRIBUTION. **Russia:** *Altaiski krai**, *Primorski krai*.

***Syntomopus incisus* Thomson, 1878**

MATERIAL EXAMINED. **Russia:** *Altaiski krai*, “Biryuzovaya Katun”, 8 km S Manzhelok, 16–18.VIII 2018, 1 ♀, 1 ♂ (Tselikh).

DISTRIBUTION. **Russia:** *Novgorodskaya oblast*, *Altaiski krai**, *Khabarovski krai*, *Primorski krai*. – Europe, Turkey, Kazakhstan, China.

***Tomicobia seitneri* (Ruschka, 1924)**

MATERIAL EXAMINED. **Russia:** *Tuva*, Khendergei, 29.VII 1964, 2 ♂ (Yanovski).

DISTRIBUTION. **Russia:** *Kareliya*, *Kaliningradskaya oblast*, *Leningradskaya oblast*, *Moskovskaya oblast*, *Permskaya oblast*, *Tuva**. – Europe, Mongolia, China, Japan.

***Trigonoderus pulcher* Walker, 1836**

MATERIAL EXAMINED. **Russia:** *Voronezhskaya oblast*, Natural Reserve “Khoperski”, VI 1969, 1 ♀ (Gur’yanova); *Irkutskaya oblast*, Khuzino, 20.VI 1949, 1 ♂ (Kolomiets); *Kol’ski peninsula*, *Khibini*, 10.VIII 1923, 1 ♀ (Fridolin).

DISTRIBUTION. **Russia:** *Voronezhskaya oblast**, *Krasnodarski krai*, *Irkutskaya oblast**, *Amurskaya oblast*, *Khabarovski krai*, *Primorski krai*, *Sakhalinskaya oblast*. – Europe, Iran, Japan, India.

*****Urolepis maritima* (Walker, 1834)**

MATERIAL EXAMINED. **Russia:** *Krasnodarski krai*, Slavyansk na Kubani, reared from *Ephydra macellaria**, 26.VI 1976, 1 ♀, 1 ♂ (Kazarnovskaya); *Kaliningradskaya oblast*, Ribachii, 6.VII 1977, 1 ♀ (Farka); *Leningradskaya oblast*, Leningrad, reared from *Paracoenia fumosa**, 5–10.VIII 1984, 1 ♀, 1 ♂ (Krivosheina); Leningrad, reared from *Setacera aurata**, 19.VIII 1984, 2 ♀, 1 ♂ (Krivosheina).

DISTRIBUTION. **Russia:** *Leningradskaya oblast*, *Krasnodarski krai*. – Europe, N Africa, Israel, Iraq, Iran, Turkmenistan, Uzbekistan, Kazakhstan, Mongolia, N America.

Subfamily Spalangiinae

***Spalangia cameroni* Perkins, 1910

MATERIAL EXAMINED. **Russia:** *Stavropol'ski krai*, reared from *Musca domestica*, 1935, 1 ♀, 3 ♂ (Chebotarevich).

DISTRIBUTION. **Russia:** *Stavropol'ski krai*. – Europe, N Africa, Pakistan, Uzbekistan, Kyrgyzstan, Kazakhstan, China, Korea, N America, SE Asia, India, Africa, S America, Australia.

Spalangia drosophilae Ashmead, 1887

MATERIAL EXAMINED. **Russia:** *Leningradskaya oblast*, Pushkin, 1978–1979, 33 ♀, 26 ♂ (Marshakov).

DISTRIBUTION. **Russia:** *Leningradskaya oblast**, without regions (Gibson, 2009). – Europe, N Africa, China, N America, S America.

Spalangia fuscipes Nees, 1834

MATERIAL EXAMINED. **Russia:** *Leningradskaya oblast*, 16.VIII 1966, 1 ♀ (Kovalchuk); *Voronezhskaya oblast*, Mikhailovski district, reared from *Oscinella frit*, 5.VII 1963, 1 ♀ (Kacharov); *Orenburgskaya oblast*, Orsk, reared from *Oscinella frit*, 17.VI 1925, 26 ♂ (Stirza).

DISTRIBUTION. **Russia:** *Leningradskaya oblast*, *Voronezhskaya oblast*, *Stavropol'ski krai*, *Orenburgskaya oblast**, *Novosibirskaya oblast*. – Europe, N Africa, Turkey, China, N America, SE Asia, India.

***Spalangia nigra* Latreille, 1805

MATERIAL EXAMINED. **Russia:** *Kostromskaya oblast*, Kostroma, 30.VII 1933, 1 ♀ (Gussakovski); *Stavropol'ski krai*, reared from *Syricta pipiens*, IX 1936, 1 ♀ (Chebotarevich).

DISTRIBUTION. **Russia:** *Kostromskaya oblast*, *Stavropol'ski krai*. – Europe, N Africa, China, Korea, Japan, N America, India, S America, Australia.

DISCUSSION

The study performed has considerably supplemented our knowledge of the pteromalid fauna of Russia. Two genera, *Pachycrepoideus* Ashmead and *Urolepis* Walker, and fifteen species [*Dibrachys affinis* Masi, *Dinarmus basalis* (Rondani), *Dipara petiolata* Walker, *Callitula pyrrhogaster* (Walker), *Chlorocyttus scandolensis* Rasplus, *Coelopisthia caledonica* Askew, *Halticoptera polita* (Walker), *Pachycrepoideus vindemmiae* (Rondani), *Plutothrix coelius* (Walker), *Scutellista caerulea* (Fonscolombe), *Spalangia cameroni* Perkins, *Spalangia nigra* Latreille, *Sphaeripalpus fuscipes* (Walker), *Stenomalina laticeps* (Walker), *Urolepis maritima* (Walker)] are recorded for the first time from the fauna of Russia, and fourty three species are new for the different regions of Russia.

For twelve species of Pteromalidae a new host-parasitic associates are given: *Coruna clavata* Walker reared from *Dysaphis sorbi* (Kaltenbach) (Hemiptera: Aphidoidea), *Conomorium patulum* (Walker) – *Bupalus piniaria* (L.) (Lepidoptera: Geometroidea), *Dibrachys microgastri* (Bouche) – *Craesus septentrionalis* (L.) (Hymenoptera: Tenthredinidae), *Dinarmus basalis* (Rondani) – *Bruchus atomarius* (L.) (Coleoptera: Chrysomelidae), *Erdoesina alboannulata* (Ratzeburg) – *Macaria liturata* (Clerck) (Lepidoptera: Geometroidea), *Erdoe-*

sina boarmiae Boucek – *Panolis flammea* (Denis et Schiffermüller) (Lepidoptera: Noctuoidea), *Mesopolobus mediterraneus* (Mayr) – *Cydia pomonella* (L.) (Lepidoptera: Tortricoidea), *Pteromalus dispar* (Curtis) – *Pandemis heparana* (Denis et Schiffermüller) (Lepidoptera: Tortricoidea), *Nasonia vitripennis* (Walker) – *Hylesinus fraxini* (Panzer) (Coleoptera: Curculionidae) and *Pexopsis aprica* (Meigen) (Diptera: Tachinidae), *Stichocrepis armata* Foerster – *Panolis flammea* (Denis et Schiffermüller) (Lepidoptera: Noctuoidea), *Urolepis maritima* (Walker) – *Ephydra macellaria* Egger, *Paracoenia fumosa* (Stenhammar) and *Setacera aurata* Stenhammar (Diptera: Ephydriidae); *Mokrzeckia pini* (Hartig) is a secondary parasitoid of *Protapanteles liparidis* (Bouché), *Cotesia ordinaria* (Ratzeburg) and *C. rubecula* (Marshall) (Hymenoptera: Braconidae).

As a result of the collection material study and summation of the literature data, the list of Pteromalidae wasps distributed in Russia includes 411 species in 136 genera from 13 subfamilies.

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Address: Federal Scientific Center of the East Asia Terrestrial Biodiversity (former Institute
of Biology and Soil Science), Far East Branch of the Russian Academy of Sciences,
690022, Vladivostok-22, Russia.
E-mail: storozhenko@biosoil.ru web-site: <http://www.biosoil.ru/fee>