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NEW DATA ON THE SPIDER WASPS (HYMENOPTERA, POMPILIDAE) FROM THE WESTERN SIBERIA

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An annotated list of 36 species in 12 genera of the spider wasps collected in the Altay Republic and Altaysky krai in 2010–2012 is given. *Evagetes trispinosus* (Kohl, 1886) is newly recorded from Russia and 21 species are newly recorded from Western Siberia.

KEY WORDS: Hymenoptera, Pompilidae, spider wasps, distribution, Western Siberia.

Р. Т-о. Багиров. Новые данные о дорожных осах (Hymenoptera, Pompilidae) Западной Сибири // Дальневосточный энтомолог. 2014. № 279. С. 1-10.

Приведен аннотированный список 36 видов дорожных ос из 12 родов, собранных в Республике Алтай и Алтайском крае в 2010–2012 гг. *Evagetes trispinosus* (Kohl, 1886) указывается впервые для фауны России, а 21 вид – впервые для фауны Западной Сибири.

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INTRODUCTION

The world fauna of Pompilidae numbers 4855 species in 125 genera and four subfamilies. There are 216 species in 32 genera and three subfamilies in Russia (Loktionov & Lelej, 2014). While the spider wasps fauna of some regions of the Europe, Central Asia, and Russia (European part and Far East) is studied rather well (Tobias, 1978; Wahis, 2013; Lelej & Loktionov, 2012; Loktionov & Lelej, 2014), the fauna of the Western Siberia is still not studied.

MATERIAL AND METHODS

The paper based on more than 80 specimens of spider wasps from Altay Republic and Altaysky krai deposited in the Zoological Institute (St. Petersburg), the Institute of Systematics and Ecology of Animals (Novosibirsk), and in the Tomsk State University (the author's collection).

The data for the places where the specimens were collected are as follows:

Chagan-Uzun – Altay Republic, Kosh-Agach area, Chagan-Uzun village, N 50°03'15" E 088°40'57" (Shcherbakov M.V.); **Chaynaya** – Altaysky krai, Tigireksky State Nature Reserve, the Chaynaya mountain (Baghirov R.T-o.); **Chemal** – Altay Republic, Chemalsky area, Chemal village, N 51°24'40" E 086°00'18" (Baghirov R.T-o.); **Kamlak** – Altay Republic, Shebalinsky area, Kamlak Gorno-Altaysk botanical Garden, N 51°37'28" E 085°42'10" (Baghirov R.T-o.); **Karakol** – Altay Republic, Onguday area, Karakol River pool, Karakol Nature Park "Uch Enmek", N 50°58'27" E 086°17'12" (Baghirov R.T-o.); **Kolyvansky** – Altaysky krai, Zmeinogorsky area, north slope of the Kolyvansky ridge, Kolyvanskoe Lake, N 51°21'50" E 082°11'30" (Baghirov R.T-o.); **Kozyr'** – Altaysky krai, Tigireksky State Nature Reserve, western exposure of the slope the Kozyr mountain (Baghirov R.T-o.); **Kuray** – Altay Republic, North Chuysky ridge, Kuray steppe, in the middle reaches Chuya River, N 50°12'39" E 087°54'18", (Shcherbakov M.V.); **Onguday** – Altay Republic, Onguday area, Onguday village, N 50°45'00" E 086°08'00" (Baghirov R.T-o.); **Tigirek** – Altaysky krai, Tigireksky State Natural Reserve, N 50°57'00" E 082°58'34" (Baghirov R.T-o.).

New distributional data are asterisked (*).

LIST OF THE SPECIES

Subfamily Ceropalinae Radoszowski, 1888

Ceropales (Ceropales) helvetica Tournier, 1889

MATERIAL. Onguday: 25.VII 2012, 1 ♀; Chemal: 28.VII 2012, 1 ♀.

DISTRIBUTION. Russia (Transcaucasia, south, south-east of European part, *Altay Republic), Europe, Central Asia (Wahis, 2013; Tobias, 1978).

Subfamily Pepsinae Lepeletier de Saint Fargeau, 1845

***Auplopus carbonarius* (Scopoli, 1763)**

Auplopus carbonarius: Lelej, 1995: 233 (key), ♀ ♂.

MATERIAL. Kozyr': 11.VII 2012, 1 ♀.

DISTRIBUTION. Russia (European part, *Altaysky krai, Irkutskaya oblast, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Magadanskaya oblast), Western Europe, Ukraine, Kazakhstan, Near East, Korea, Japan, North Africa (Lelej & Loktionov, 2012).

***Caliadurgus fasciatellus* (Spinola, 1808)**

MATERIAL. Kamlak: 18.VII 2012, 1 ♀, 1 ♂; Chaynaya: 09.VII 2012, 1 ♀.

DISTRIBUTION. Russia (European part, *Altay Republic, Irkutskaya oblast, Buryatia, Sakhalin, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Kamchatka), Western Europe, Ukraine, Belarus (Lelej, Loktionov, 2012).

***Cryptocheilus (Adonta) fabricii* (Vander Linden, 1827)**

MATERIAL. Kozyr': 11.VII 2012, 1 ♀.

DISTRIBUTION. Russia (Caucasus, European part, *Altaysky krai, Irkutskaya oblast), Western Europe, Ukraine, Kazakhstan (Tobias, 1978; Lelej, 1995; Wahis, 2013).

***Cryptocheilus (Adonta) freygessneri* (Kohl, 1883)**

MATERIAL. Chemal: 28.VII 2012, 1 ♀.

DISTRIBUTION. Russia (south and south-east of European part, *Altay Republic), Europe (Czech Republic, Italian mainland, Romania, Slovakia) (Tobias, 1978; Wahis, 2013).

***Deuteragenia bifasciata* (Geoffroy, 1785)**

Dipogon hircanum: Tobias, 1978: 92 (key), ♀ ♂.

Dipogon bifasciatus: Lelej, 1995: 228 (key), ♀ ♂.

Deuteragenia bifasciata: Lelej & Loktionov, 2012: 413.

MATERIAL. Chemal: 28.VII 2012, 1 ♀; Kozyr': 11.VII 2012, 1 ♂.

DISTRIBUTION. Russia (European part, West Siberia, Irkutskaya oblast, Buryatia, Zabaikalskii krai, Sakhalin, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Magadanskaya oblast), Western Europe, Belarus, Ukraine, Central Asia, Korea, Japan (Hokkaido, Honshu, Kyushu) (Lelej & Loktionov, 2012).

***Deuteragenia vechti* (Day, 1979)**

Dipogon bifasciatum Geoffroy: Tobias, 1978: 91 (key), ♀ ♂.

Dipogon vechti Day: Lelej, 1995: 228 (key), ♀ ♂.

Deuteragenia vechti (Day, 1979): Lelej & Loktionov, 2012: 413.

MATERIAL. Chaynaya: 09.VII 2012, 2 ♀; Kamlak 18.VII 2012, 1 ♀.

DISTRIBUTION. Russia (European part, Siberia, Irkutskaya oblast, Khabarovskii krai, Amurskaya oblast, Jewish autonomous oblast, Primorskii krai, Sakhalin, South Kuril Islands, Kamchatka, Magadanskaya oblast, Chukotka), Western Europe, Belarus, Central Asia, Japan (Hokkaido, Honshu) (Lelej & Loktionov, 2012).

***Priocnemis (Priocnemis) agilis* (Shuckard, 1837)**

Priocnemis (P.) obtusiventris: Tobias, 1978: 104, ♀ ♂.

MATERIAL. Tigirek: 05.VIII 2011, 1 ♀; Kolyvansky: 06.VII 2011, 1 ♀.

DISTRIBUTION. Russia (Transcaucasia, European part, *Altaysky krai), Western Europe, Central Asia (Tobias, 1978; Wahis, 2013).

***Priocnemis (Priocnemis) exaltata* (Fabricius 1775)**

Priocnemis (P.) exaltata: Tobias, 1978: 102 (key), ♀ ♂.

MATERIAL. Tigirek: 05.VIII 2011, 1 ♀.

DISTRIBUTION. Russia (European part, *Altaysky krai), Western Europe, Ukraine (Tobias, 1978; Wahis, 2013).

***Priocnemis (Priocnemis) fenestrata* (Gussakovskij, 1926)**

MATERIAL. Kamlak: 18.VII 2012, 1 ♀; Chemal: 28.VII.2012, 1 ♀.

DISTRIBUTION. Russia (*Altay Republic, Irkutskaya oblast, South Yakutia, Primorskii krai, Amurskaya oblast, Khabarovskii krai), Republic of Korea (Lelej & Loktionov, 2012).

***Priocnemis (Priocnemis) hyalinata* (Fabricius, 1793)**

Priocnemis (P.) femoralis: Tobias, 1978: 100, ♀ ♂.

MATERIAL. Kamlak: 18.VII 2012, 1 ♀.

DISTRIBUTION. Russia (European part, *Altay Republic), Western Europe, Uzbekistan (Tobias, 1978; Wahis, 2013).

Subfamily Pompilinae Latreille, 1804

***Anoplius (Anoplius) aberrans* Gussakovskij, 1932**

MATERIAL. Kozyr': 11.VII 2012, 1 ♀.

DISTRIBUTION. Russia (*Altaysky krai, Irkutskaya oblast, Buryatia, Kuril Islands, Sakhalin, Primorskii krai, Amurskaya oblast, Jewish autonomous oblast, Khabarovskii krai, Magadanskaya oblast, Kamchatka), Uzbekistan, Japan (Hokkaido, Honshu), Republic of Korea, China (Guangdong, Taiwan), Philippine (Luzon), Indonesia (Celebes) (Loktionov & Lelej, 2012).

Anoplius (Anoplius) concinnus (Dahlbom, 1843)

MATERIAL. Chermal: 28.VII 2012, 1 ♀.

DISTRIBUTION. Russia (northwest and south of European part, *Altay Republic, Irkutskaya oblast, Buryatia, Primorskii krai, Amurskaya oblast, Khabarovskii krai), Europe, Kazakhstan, Central Asia, Iran, Mongolia (Shlyahtenok *et al.*, 2012).

Anoplius (Anoplius) nigerrimus (Scopoli, 1763)

MATERIAL. Kozyr': 11.VII 2012, 1 ♂.

DISTRIBUTION. Russia (European part, *Altaysky krai, Irkutskaya oblast, Buryatia, South Yakutia, Sakhalin, Kuril Islands, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Kamchatka), Europe, North America (Shlyahtenok *et al.* 2012).

Anoplius (Anoplius) tenuicornis (Tournier, 1889)

Anoplius (Anoplius) tenuicornis: Tobias, 1978: 120 (key), ♀ ♂ (East Siberia).

MATERIAL. Chermal: 28.VII 2012, 2 ♀.

DISTRIBUTION. Russia (European part, *Altay Republic, Krasnoyarskii krai, Irkutskaya oblast, Sakhalin, Primorskii krai, Khabarovskii krai, Magadanskaya oblast, Kamchatka), Europe, Central Asia, Mongolia, North America (Shlyahtenok *et al.*, 2012).

Anoplius (Arachnophroctonus) viaticus (Linnaeus, 1758)

Anoplius (P.) viaticus: Tobias, 1978: 120 (key), ♀ ♂; Baghirov, 2011: 219, ♀.

MATERIAL. Kozyr': 11.VII 2012, 1 ♂; Chaynaya: 09.VII 2012, 3 ♂; Tigirek: 05.VIII 2011, 1 ♀, 6 ♂.

DISTRIBUTION. Russia (European part, Altaysky krai, Irkutskaya oblast, Buryatia, South Yakutia, Zabaikalskii krai, Sakhalin, Primorskii krai, Amurskaya oblast, Jewish autonomous oblast, Khabarovskii krai), Europe, Kazakhstan, Turkmenistan, Mongolia, Japan (Honshu, Kyushu), South Korea, Georgia, North Africa (Shlyahtenok *et al.*, 2012).

Aporinellus sexmaculatus (Spinola, 1805)

Aporinellus sexmaculatus: Tobias, 1978: 122 (key), ♀ ♂.

MATERIAL. Chermal: 28.VII 2012, 1 ♀, 1 ♂.

DISTRIBUTION. Russia (Caucasus, European part, south-west Siberia, Altay Republic), Europe, Near East, North Africa (Tobias, 1978; Wahis, 2013).

Arachnospila (Ammosphex) anceps (Wesmael, 1851)

MATERIAL. Kamlak: 18.VII 2012, 1 ♂.

DISTRIBUTION: Russia (European part, *Altay Republic, Buryatia, Zabaikalskiy krai, Amurskaya oblast, Chukotka, Magadanskaya oblast, Kamchatka), Europe, Turkey, Syria, Iran, Kyrgyzstan, Mongolia (Loktionov & Lelej, 2011).

***Arachnospila (Ammosphex) kurzenkoi* Lelej, 1995**

MATERIAL. Kozyr': 11.VII 2012, 1 ♂.

DISTRIBUTION. Russia (*Altaysky krai, Buryatia, Primorskiy krai, Amurskaya oblast, Khabarovskii krai, Chukotka, Magadanskaya oblast) (Loktionov & Lelej, 2011).

***Arachnospila (Ammosphex) mongolopinata* Wolf, 1981**

MATERIAL. Kozyr': 11.VII 2012, 2 ♂.

DISTRIBUTION. Russia (*Altaysky krai, Sakhalin, Primorskiy krai, Amurskaya oblast), Mongolia (Mongolian and Gobi Altay) (Loktionov & Lelej, 2011).

***Arachnospila (Ammosphex) trivialis* (Dahlbom, 1843)**

Arachnospila (Ammosphex) trivialis: Tobias, 1978: 128 (key), ♀ ♂; Lelej, 1995: 246 (key), ♀ ♂; Loktionov & Lelej, 2011: 24, ♀ ♂.

MATERIAL. Kozyr': 11.VII 2012, 1 ♂.

DISTRIBUTION. Russia (European part, Siberia, Chukotka, Magadan oblast, Kamchatka), Europe, Kazakhstan, Kyrgyzstan (Loktionov & Lelej, 2011).

***Arachnospila (Ammosphex) minutula* (Dahlbom, 1842)**

Arachnospila (Ammosphex) minutula: Tobias, 1978: 132 (key), ♀ ♂.

MATERIAL. Kozyr': 11.VII 2012, 1 ♀.

DISTRIBUTION. Russia (European part, Siberia, Buryatia, Zabaikalskii krai, Primorskii krai, Amurskaya oblast, Khabarovskii krai), Western Europe, Ukraine, Belarus, Mongolia, Near East (Lelej & Loktionov, 2012).

***Arachnospila (Anoplochaeres) mongolospissa* Wolf et Móczár, 1972**

MATERIAL. Kozyr': 11.VII 2012, 1 ♀.

DISTRIBUTION. Russia (*Altaysky krai, Irkutskaya oblast, Zabaikalskii krai, Primorskii krai, Amurskaya oblast), Mongolia (Lelej & Loktionov, 2012).

***Arachnospila (Anoplochaeres) spissa* (Schiodte, 1837)**

Arachnospila (A.) spissa: Tobias, 1978: 132 (key), ♀ ♂; Lelej, 1995: 240 (key), ♀ ♂.

MATERIAL. Kuray: 15.VII 2010, 1 ♂.

DISTRIBUTION. Russia (European part, Altay, Irkutskaya oblast, Zabaikalskii krai, Yakutia, South Sakhalin, Magadanskaya oblast), Western Europe, Ukraine, Belarus, Kazakhstan, Near East (Lelej & Loktionov, 2012).

Arachnospila (Arachnospila) clericalis (F. Morawitz, 1889)

Arachnospila (A.) clericalis: Lelej & Loktionov, 2011: 4, ♀ ♂.

MATERIAL. Kozyr': 11.VII 2012, 3 ♀, 1 ♂; Onguday: 25.VII 2012, 1 ♀, 2 ♂; Chermal: 28.VII 2012, 1 ♀; Karakol: 24.VII 2012, 2 ♀; Chagan-Uzun: 23.VII 2010, 1 ♀; Kuray: 15.VII 2010, 1 ♀; Tigirek: 05. VIII 2011, 1 ♂.

DISTRIBUTION. Russia (Altaysky krai, Tyva, Irkutskaya oblast, Buryatia, Zabaikalskii krai), Turkey, South-East Kazakhstan, Mongolia, China (Gansu) (Lelej & Loktionov, 2011).

Arachnospila (Arachnospila) fumipennis (Zetterstedt, 1838)

Arachnospila (A.) fumipennis (Zetterstedt, 1838): Lelej & Loktionov, 2011: 7, ♀ ♂.

MATERIAL. Tigirek: 05. VIII 2011, 1 ♂.

DISTRIBUTION. Russia (center and south of European part, *Altay Republic, Khakasia, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Magadanskaya oblast, Kamchatka, North Sakhalin), Western Europe, Ukraine, Kazakhstan, Kyrgyzstan, Tajikistan, Mongolia, Near East, China (Hebei), Japan (Hokkaido), North America (Lelej & Loktionov, 2012).

Arachnospila (Arachnospila) rufa (Haupt, 1927)

MATERIAL. Chermal: 28.VII 2012, 1 ♂.

DISTRIBUTION. Russia (centre and south of European part, Orenburgskaya oblast, *Altay Republic, Tyva), Western Europe, Belarus, Turkey, North and Central Kazakhstan, Kyrgyzstan, Mongolia, Near East (Lelej & Loktionov 2011).

Eoferreola manticata (Pallas, 1771)

MATERIAL. Tigirek: 05.VIII 2011, 1 ♀.

DISTRIBUTION. Russia (south of European part, *Altaysky krai, Primorskii krai), Europe, Kazakhstan, Near East, North Africa (Lelej & Loktionov, 2012).

Episyron albonotatum (Vander Linden, 1827)

MATERIAL. Chermal: 28.VII 2012, 1 ♀, 1 ♂; Tigirek: 05.VII 2012, 1 ♀; 05.VIII 2011, 1 ♂; Chaynaya: 09.VII 2012, 1 ♀; Chagan-Uzun: 23.VII 2010, 1 ♂.

DISTRIBUTION. Russia (European part, *Altay Republic, Irkutskaya oblast, Buryatia, Zabaikalskii krai, North Sakhalin, Khabarovskii krai), Europe, Kazakhstan, Central Asia, Mongolia (Lelej & Loktionov, 2012).

***Episyron candiotum* Wahis, 1966**

MATERIAL. Chermal: 28.VII 2012, 1 ♀.

DISTRIBUTION. Russia (North Caucasus, south of European part, *Altay Republic, Irkutskaya oblast, Primorskii krai, Amurskaya oblast), Europe, Turkey, Kazakhstan, Mongolia, Korea, China (Lelej & Loktionov, 2012).

***Evagetes crassicornis* (Shuckard, 1837)**

MATERIAL. Tigirek: 04.VIII 2011, 1 ♂; Kamlak: 18.VII 2012, 1 ♂.

DISTRIBUTION. Russia (European part, *Altaysky krai, Irkutskaya oblast, Buryatia, Zabaikalskii krai, Yakutia, Amurskaya oblast, Chukotka, South Sakhalin, Magadanskaya oblast), Europe, Georgia, Morocco, Kazakhstan, Kyrgyzstan, Tajikistan, Mongolia, South America (Lelej, Loktionov, 2012).

***Evagetes gibbulus* (Lepeletier de Saint Fargeau, 1845)**

MATERIAL. Kolyvansky: 05.VII 2010, 1 ♀.

DISTRIBUTION. Russia (Caucasus, European part, *Altaysky krai), Europe, Kazakhstan, Kyrgyzstan, Mongolia (Loktionov & Lelej, 2009; Wahis, 2013).

***Evagetes proximus* (Dahlbom, 1845)**

MATERIAL. Chermal: 28.VII 2012, 1 ♂; Onguday: 25.VII 2012, 1 ♂.

DISTRIBUTION. Russia (European part, *Altay Republic, Irkutskaya oblast, Buryatia, Zabaikalskii krai, Primorskii krai, Amurskaya oblast, Khabarovskii krai, Magadanskaya oblast), Western Europe, Ukraine, Belarus, Turkey, Iran, Kazakhstan, Kyrgyzstan, Tajikistan, Mongolia, China (Hebei), Japan (Hokkaido) (Loktionov & Lelej, 2009).

***Evagetes subglaber* (Haupt, 1941)**

MATERIAL. Tigirek: 05.VIII 2011, 1 ♀; Kozyr': 11.VII 2012, 4 ♀; Onguday: 25.VII 2012, 1 ♀.

DISTRIBUTION. Russia (center and south of European part, *Altaysky krai), Western Europe, Ukraine, Mongolia, Kyrgyzstan, Turkmenistan (Loktionov & Lelej, 2009).

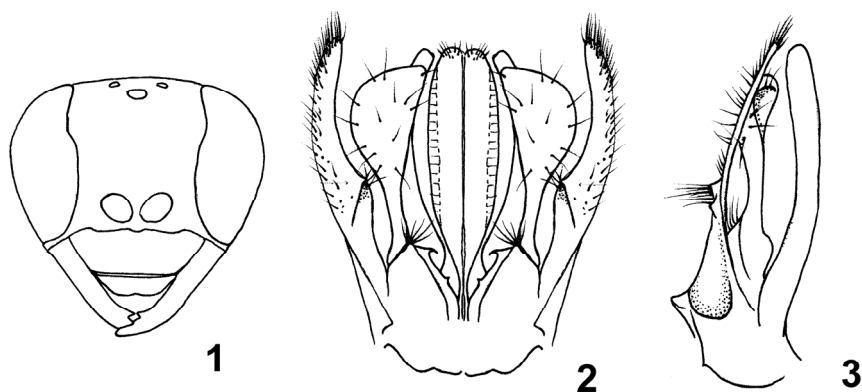
***Evagetes trispinosus* (Kohl, 1886)**

Evagetes pectinipes trispinosus: v.d. Smissen, 2003: 158, ♀ ♂.

Evagetes trispinosus: Loktionov & Lelej, 2009: 392, ♀ ♂.

DIAGNOSIS. FEMALE. Anterior border of labrum with median notch (Fig. 1). Tarsal comb with flattened setae. First tarsomere apical spine length second and third tarsomeres length combined or little bit shorter. Body with brown pubescence.

Temples and propleura with brown setae. 11–14.8 mm. MALE. First flagellomere 1.4–1.5 times its width. Hypopygium with one median carina. Genitalia as in Fig. 2. The head and body with long rare setae. Head, scape, pronotum, mesonotum and propodeum with pale brown setae. Propodeum with silver pubescence. 7.6–12.5 mm.



Figs 1, 2. *Evagetes trispinosus* (from: v.d. Smissen, 2003). 1 – clypeus of female, frontal view; 2 – male genitalia, ventral view; 3 – the same, lateral view.

MATERIAL. Tigirek: 05. VIII 2011, 1 ♀.

DISTRIBUTION. *Russia (Altaysky krai), Europe (Bulgaria, Greece, Spain, Italy, Cyprus, Portugal, France, Croatia), Turkey, Kazakhstan, Kyrgyzstan, Near East (Lelej & Loktionov, 2012).

***Parabatozonus lacerticida* (Pallas, 1771)**

Batozonellus lacerticida: Tobias, 1978: 118 (key), ♀ ♂; Lelej, 1995: 253 (key), ♀ ♂.

Parabatozonus lacerticida: Loktionov & Lelej, 2014: 213, ♀ ♂.

MATERIAL. Kolyvansky: 05.VII 2010, 1 ♂.

DISTRIBUTION. Russia (European part, Altaysky krai, Irkutskaya oblast, Buryatia, Zabaikalskii krai, Primorskii krai, Amurskaya oblast, Khabarovskii krai), Europe, Turkey, Kazakhstan, Central Asia, Japan (Hokkaido, Honshu), Republic of Korea, North-eastern China, North Africa (Lelej & Loktionov, 2012).

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