

SHORT COMMUNICATION

V. M. Loktionov, A. S. Lelej. TAXONOMIC NOTES ON THREE SPECIES OF SPIDER WASPS (HYMENOPTERA, POMPILIDAE) FROM RUSSIAN FAR EAST. – *Far Eastern Entomologist*. 2012. N 243: 10-14.

Summary. Three species, *Anoplius (Anoplius) aberrans* Gussakovskij, 1932, **stat. resurr.**, *Priocnemis (Priocnemis) shidai* Ishikawa, 1962, **stat. resurr.**, and *P. (P.) kunashirensis* Lelej, 1988, **stat. resurr.**, are considered as valid species.

Key words: Spider wasps, taxonomy, Russian Far East.

В. М. Локтионов, А. С. Лелей. Таксономические заметки о трех видах дорожных ос (Hymenoptera, Pompilidae) с Дальнего Востока России // Дальневосточный энтомолог. 2012. N 243. С. 10-14.

Резюме. Восстановлен статус трех видов: *Anoplius (Anoplius) aberrans* Gussakovskij, 1932, **stat. resurr.**, *Priocnemis (Priocnemis) shidai* Ishikawa, 1962, **stat. resurr.** и *P. (P.) kunashirensis* Lelej, 1988, **stat. resurr.**

RESULTS

Anoplius (Anoplius) aberrans Gussakovskij, 1932, **stat. resurr.**

Paranoplius separatus Haupt, 1929: 118 (key), 145 (description), ♀ [holotype, Transkaspigebiet, Sandsteppen am unteren Amu Darja, coll. Wolowodo S. // Type // *Ps. (Paranoplius) separatus* Hpt., det. Haupt, 1928, ♀ // Zool. Mus. Berlin // R. Wahis dt. 1997 *Anoplius separatus* Haupt, 1929, ♀ // Holotypus, Lelej design., 2011, examined]. Junior secondary homonym in *Anoplius*, nec *Pompilus separatus* Tashenberg, 1869 [*Anoplius*].

Anoplius aberrans Gussakovskij, 1932: 45, ♀ nec ♂ [lectotype, ♀ "Sedanka, Vladivostok, 22.VI 1930, R. Malaise", designated by Lelej, Yamane, 1994: 233, deposited in Zoological Institute, St. Petersburg, examined]. Junior subjective synonym of *Paranoplius separatus* Haupt, 1929 according to Wahis, 2001: 158.

Anoplius (Anoplius) luzonicus Tsuneki, 1988: 38, ♀ ♂ [holotype, ♀ "Bontoc, 850 m, Mountain Prov., Luzon, 29–30.XII 1979, T. Murota"]. Junior subjective synonym of *Anoplius aberrans* Gussakovskij, 1932 according to Lelej, Yamane, 1994: 233.

Anoplius (Anoplius) aberrans: Lelej, Yamane, 1994: 233; Lelej et al., 1994: 143; Lelej, 1995: 255; 2000: 624; 2001: 23.

Anoplius (Anoplius) separatus: Lelej, 2005: 132, ♀ ♂.

MATERIAL. Russia: 77 ♀, 93 ♂ from Primorskii krai (Pyazanovka, "Kedrovaya Pad" Natural Reserve, Nezhino, Vladivostok, Novonezhino, Anisimovka, Tikhookeanskii, Lazovsky Natural Reserve, Brovnichi, Nikolaevka, Ussuriiskii Natural Reserve, Novokachalinsk, Anuchino, Yakovlevka, Novomihailovka, Lenino, upper part of Sokolovka River, Shumnyi, Melnichnoe, Gogolevka, Dersu, Plastun); 9 ♀, 5 ♂ from Amurskaya oblast (Blagoveschensk, Kundur, Arkhara, Natalino, Chernigovka); 44 ♀, 44 ♂ from Sakhalin (Shebunino, Novikovo, Novoaleksandrovsk, Chistovodnoe, Bykov, Dolinsk, Boshnyakovo, 20 km W of Smirnyh, 40 km E of Zonalnoe, Tymovskoe); 19 ♀, 17 ♂ from Kunashir Is. (9 km S of Yuzhno-Kurilsk, Tretyakovo, Alehino, Goryachee Lake, Dubovoe).

DISTRIBUTION. Russia (Amurskaya oblast, Primorskii krai, Sakhalin, Kuril Islands, Kamchatka, Magadanskaya oblast, Irkutskaya oblast), Japan (Hokkaido, Honshu), Republic of Korea, China (Guangdong, Taiwan), Philippine (Luzon), Indonesia (Celebes), Uzbekistan (Lelej, 2005).

REMARKS. In 2011 second author studied the holotype of *Paranoplius separatus* Haupt, 1929 (see above) and holotype of *Pompilus separatus* Taschenberg, 1869 (Nov. Frib[urg], Mendoza [Argentina] // Holotypus // *Anoplius dubiosus* Hpt., ♀ Haupt det. 1941 // *separatus* Taschenberg, Haupt det. 193[?] [Martin-Luter-Universität, Halle-Wittenberg, Germany]. *Pompilus separatus* Taschenberg currently belong to the genus *Anoplius*. Taschenberg's name is senior secondary homonym; for replacement of Haupt's name we used junior synonym, *Anoplius aberrans* Gussakovskij, 1932.

***Priocnemis (Priocnemis) kunashirensis* Lelej, 1988, stat. resurr.**

Figs 4, 8

Priocnemis (Priocnemis) kunashirensis Lelej, 1988: 76, 86, ♀ [holotype, ♀ "Kunashir Is., Alekhino, 15.VIII 1980 (Lelej)", deposited in Zoological Institute, St. Petersburg, examined]. Junior subjective synonym of *Salius (Priocnemis) fenestrata* Gussakovskij, 1926 according to Lelej, 2000: 620.

Priocnemis (Priocnemis) fenestrata: Lelej, 2000: 620, 621, ♀ ♂ (part., Kunashir, Hokkaido, Honshu); Lelej, 2001: 23 (part., Kunashir).

MATERIAL. **Russia:** Paratypes. Kunashir II.: Dubovoe, 7.VIII 1980, 20–21.VII 2011, 7 ♀ (Lelej); Alekhino, 15.VIII 1980, 1 ♀ (Lelej). Additional material. Kunashir II.: Tretyakovo, 27, 28.VII 2011, 2 ♂ (Loktionov, Proshchalykin); Goryachee Lake, 23–25.VII 2011, 5 ♀, 26 ♂ (Loktionov, Proshchalykin); Dubovoe, 30, 31.VII 1989, 20–21.VII 2011, 9 ♀, 77 ♂ (Lelej, Nemkov, Sidorenko, Loktionov, Proshchalykin).

DISTRIBUTION. Russia (Kuril Islands: Kunashir), Japan (Hokkaido, Honshu).

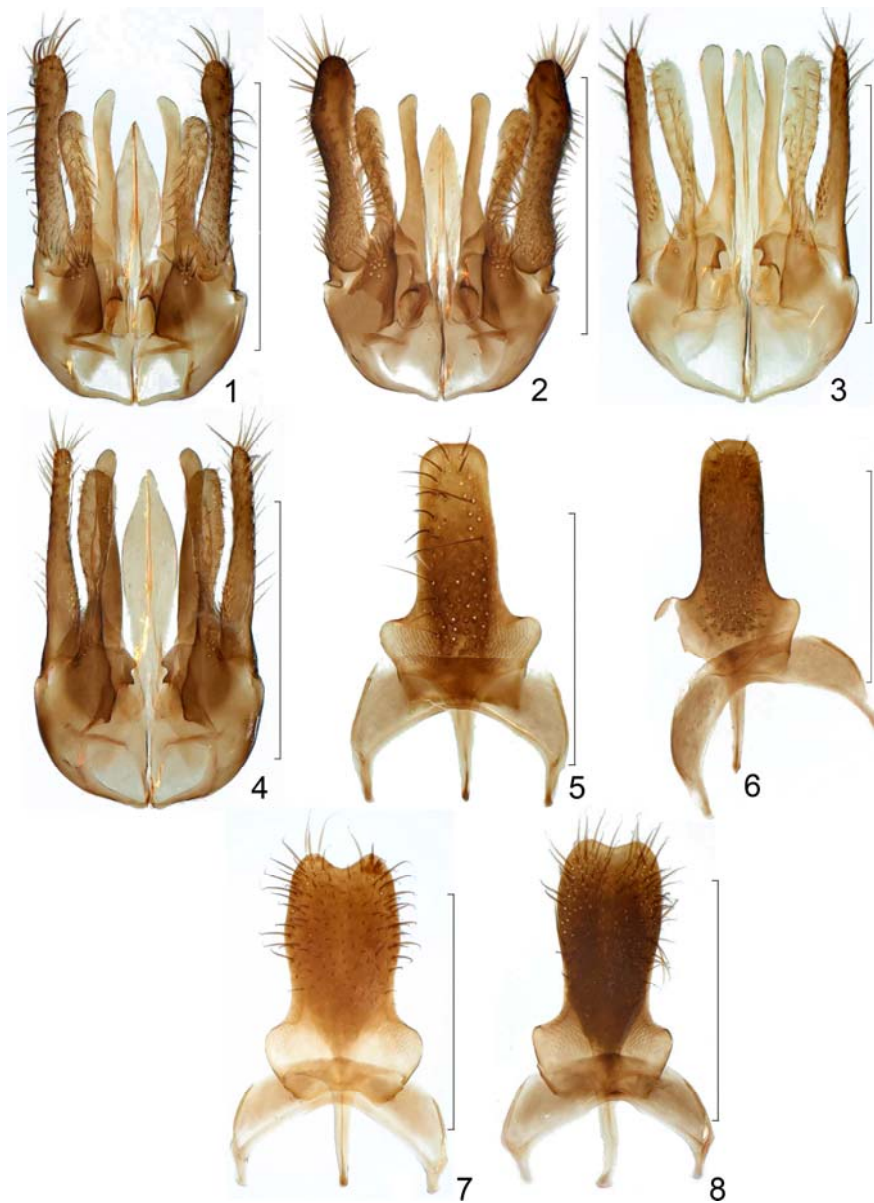
REMARKS. *Priocnemis (Priocnemis) kunashirensis* Lelej, 1988 was synonymized under *Salius (Priocnemis) fenestrata* Gussakovskij, 1926 by Lelej, 2000 based of similar external shape of hypopygium in males and sculpture of propodeum in females. After detail study of extruded male genitalia and hypopygium of males collected on Kunashir islands, and ones collected on mainland, we concluded that *P. (P.) kunashirensis* is a valid species and its status is resurrected. The male of *P. kunashirensis* differs from one of *P. fenestrata* by having another genitalia and hypopygium (Figs 4, 8 vs. 3, 7); male and female of *P. kunashirensis* have almost black metasoma (basal metasomal segments of reddish in *P. fenestrata*). If *P. kunashirensis* inhabits the islands, *P. fenestrata* is distributed on the mainland.

***Priocnemis (Priocnemis) shidai* Ishikawa, 1962, stat. resurr.**

Figs 2, 6

Priocnemis (Priocnemis) shidai Ishikawa, 1962: 356, ♀ ♂ [holotype, ♂ "Karuizawa, Nagano Pref., 10.VIII 1955 (R. Ishikawa)", deposited in Ishikawa collection, Tokyo]. Junior subjective synonym of *Priocnemis (Priocnemis) pseudopogonia* Gussakovskij, 1930 according to Lelej, 2000: 620.

Priocnemis (Priocnemis) pseudopogonia: Lelej, 1988: 76, 79, 85 (part., Kunashir); 1995: 221, 224 (part., Kunashir); 2000: 620, 621 (part., Kunashir, Honshu); 2001: 23 (part., Kunashir); Lelej, Yamane, 1992: 99, 100 (part., Kunashir); Lelej et al., 1994: 136 (part., Kunashir).



Figs 1–8. Male genitalia and hypopygium. 1, 5) *Priocnemis pseudopogonia*; 2, 6) *P. shidai*; 3, 7) *P. fenestrata*; 4, 8) *P. kunashirensis*. 1–4) genitalia; 5–8) hypopygium. Scale bar 0.5 mm.

MATERIAL. Kunashir: Yuzhno-Kurilsk, Lesnaya River, 19.VIII 1989, 1♂ (Nemkov); Mendeleevo, 12.IX 1975, 1♀ (Korotyaev); Tretyakovo, 20, 21.VIII 1980, 3♀, 2♂ (Lelej); Lagunnoe Lake, 26.VII 1975, 1♀ (Berezantzev).

DISTRIBUTION. Russia (Kuril Islands: Kunashir), Japan (Honshu).

REMARKS. *Priocnemis shidai* was synonymized under *P. pseudopogonia* Gussakovskij, 1930 (Lelej, 2000) based on the external morphological characters of males. The male of *Priocnemis shidai* differs from one of *P. pseudopogonia* by having another genitalia and hypopygium (Figs 1, 5 vs. 2, 6) and we consider both of them as separate species. The status of *Priocnemis shidai* is resurrected here. When *Priocnemis shidai* inhabits islands, *P. pseudopogonia* is distributed in the mainland.

ACKNOWLEDGEMENTS

We thank F. Koch (Museum für Naturkunde, Berlin, Germany) and K. Schneider (Martin-Luther-Universität, Halle-Wittenberg, Halle, Germany) for the help in the study of type material. We thank all collectors of material. The work was supported by the Russian Found of Basic Research (grants No 11-04-00624, 11-04-90761) and the Far Eastern Branch of the Russian Academy of Sciences (grant No 12-III-A-06-063).

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