

The species-group names of bees (Hymenoptera: Apoidea, Apiformes) described from the Russian Far East. Part II. Families Halictidae, Megachilidae and Apidae

Таксоны пчёл (Hymenoptera: Apoidea, Apiformes), описанные с Дальнего Востока России. Часть II. Семейства Halictidae, Megachilidae и Apidae

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Ключевые слова: пчелы, Apiformes, Россия, Палеарктика.

Abstract. The annotated list of 80 species-group names of bees (except bumble-bees) from 21 genera of families Halictidae, Megachilidae and Apidae described by 16 authors from the Russian Far East in 1848–2014 is given. Of them 37 species and four subspecies are valid. For each taxa the data about the types and their depository, current taxonomic status and distribution are given.

Резюме. Приведен аннотированный список 80 названий видовой группы пчел (кроме шмелей) из 21 рода семейств Halictidae, Megachilidae и Apidae, описанных 16 авторами с Дальнего Востока России в 1848–2014 гг. Из них 37 видов и 4 подвида являются валидными. Для каждого таксона даны сведения о типе и месте его хранения, современном таксономическом положении и распространению.

List of the species

Halictidae

Halictinae

Acanthalictus griseipennis Cockerell, 1924

Halictus griseipennis Cockerell, 1924c: 185, ♀ (holotype: ♀, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 9.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Evylaeus dybowskii* (Radoszkowski, 1876) [Ebmer, 1978: 209].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin; **Korea, China** (Heilongjiang) [Pesenko, 2007b].

Evylaeus baleicus insulicola Pesenko, 2007

Evylaeus baleicus insulicola Pesenko, 2007a: 104, ♂ (holotype: ♂, Kunashir, Goryachee Lake, 13.IX.1976, leg. V. Kuznetsov [ZISP]).

Current status. Valid [Pesenko, 2007a].

Distribution. **Russia:** Sakhalin, Kuril Islands (Kunashir); **Japan** (Hokkaido, Honshu, Kyushu, Okinawa) [Pesenko, 2007b].

Halictoides carinatus Popov, 1959

Halictoides carinatus Popov, 1959: 230, ♀, ♂ (lectotype: ♂, «Easretn Mongolia, Syeldzhi River, Khingan» [China], 27.VIII.1899, leg. V. Soldatov [ZISP], designated by Pesenko, 1998: 681; paralectotype: Amurskaya Prov., Amur district, 15–18.VIII.1928, leg. Tupitsin [ZISP]).

Current status. Valid, as *Dufourea carinata* (Popov, 1959) [Pesenko, 1998].

Distribution. **Russia:** Transbaicalia, Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **China** (Inner Mongolia, Heilongjiang, Beijing) [Pesenko, 1998].

Halictoides inermis Nylander, 1848

Halictoides inermis Nylander, 1848: 197, ♂ (lectotype: ♂, «Siberia or.[ientalis]» [Khabarovsk Terr.], leg. Sahlberg, designated by Ebmer, 1976: 2 [ZMUH]).

Current status. Valid, as *Dufourea inermis* (Nylander, 1848) [Pesenko, 1998].

Distribution. **Russia:** European part, Tomsk Prov., Altai, Irkutsk Prov., Yakutia, Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Europe, China** (Qinghai, Heilongjiang) [Pesenko, 1998].

Halictus alinensis Cockerell, 1924

Halictus alinensis Cockerell, 1924d: 583, ♀ (holotype: ♀, «Amagu Village, Siberia» [Primorskiy Terr.], 2.VII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Lasioglossum alinense* (Cockerell, 1924) [Pesenko, 2006b].

Distribution. **Russia:** Altai, Irkutsk Prov., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Belarus, Lithuania, China** (Sichuan, Yunnan, Inner Mongolia, Liaoning, Heilongjiang, Jilin, Fujian, Zhejiang) [Pesenko, 2007b].

Halictus amurensis Vachal, 1902

Halictus amurensis Vachal, 1902: 227, ♀ (lectotype: ♀, «rapportées par Dybovski de la région du fleuve Amour» [Khabarovsk Terr.], designated by Pesenko, 2007a: 107 [IZKP]).

Current status. Valid, as *Evylaeus amurensis* (Vachal, 1902) [Pesenko, 2007a].

Distribution. **Russia:** Khabarovsk Prov., Primorskiy Terr.; **China** (Heilongjiang, Jilin) [Pesenko, 2007b].

Halictus brachycephalus Cockerell, 1925

Halictus brachycephalus Cockerell, 1925: 11, ♀ (syntypes: 3♀, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 3.VIII.1923, leg. T. Cockerell [NMNH, MNBG]).

Current status. Valid, as *Evylaeus brachycephalus* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Primorskiy Terr. [Pesenko, 2007b].

Halictus confusus pelagius Ebmer, 1996

Halictus confusus pelagius Ebmer, 1996: 269, ♀, ♂ (holotype: ♂, Primorskiy Terr., Ryazanovka, 17–23.VII.1992, leg. Snizek [PCAE]).

Current status. Valid, as *Seladonia confusa pelagia* (Ebmer, 1996) [Pesenko, 2006a].

Distribution. **Russia:** Altai, Khakassia, Krasnoyarsk Terr., Transbaicalia, Yakutia, Magadan Prov., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin; **China** (Shaanxi), Mongolia [Pesenko, 2007b].

Halictus dybowskii Radoszkowski, 1876

Halictus dybowskii Radoszkowski, 1876: 110, ♀, (lectotype: ♀, «Amur» [Khabarovsk Terr.], designated by Pesenko, 2007a: 107 [IZKP]).

Current status. Valid, as *Evylaeus dybowskii* (Radoszkowski, 1876) [Pesenko, 2007a].

Distribution. See *Acanthalictus griseipennis*.

Halictus ellipticeps Blüthgen, 1923

Halictus ellipticeps Blüthgen, 1923: 254, ♀ (holotype: ♀, «Amur» [Khabarovsk Terr.], leg. Staudinger [MNBG]).

Current status. Valid, as *Evylaeus ellipticeps* (Blüthgen, 1923) [Pesenko, 2007a].

Distribution. **Russia:** Perm Prov., Yakutia, Irkutsk Prov., Primorskiy Terr.; **Korea, Mongolia** [Pesenko, 2007b].

Halictus emelianoffi Cockerell, 1925

Halictus emelianoffi Cockerell, 1925: 7, ♂ (holotype: ♂, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum proximatum* (Smith, 1879) [Ebmer, 1996: 272].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Kuril Islands (Kunashir); **Japan** (Hokkaido, Honshu, Shikoku, Kyushu, Okinawa), **Korea, China** [Pesenko, 2007b].

Halictus eruditus Cockerell, 1924

Halictus eruditus Cockerell, 1924d: 581, ♀ (holotype: ♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Seladonia aeraria* (Smith, 1873) [Blüthgen, 1926a: 408].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Mongolia, China, Korea, Japan** (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima, Yakushima) [Pesenko, 2007b].

Halictus kraloffi Cockerell, 1925

Halictus kraloffi Cockerell, 1925: 3, 4, ♀ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum proximatum* (Smith, 1879) [Ebmer, 1996: 272].

Distribution. See *Halictus emelianoffi*.

Halictus lutzenkoi Cockerell, 1925

Halictus lutzenkoi Cockerell, 1925: 5, 7, ♂ (holotype: ♂, «Okeanskaja, Siberia» [Primorsk Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum alinense* (Cockerell, 1924) [Ebmer, 1996: 278].

Distribution. See *Halictus alinensis*.

Halictus mayacensis Cockerell, 1924

Halictus mayacensis Cockerell, 1924d: 582, ♀ (syntypes: 19 ♀♀, «Low Lighthouse, coast of Siberia between Valentine Bay and Olga» [Primorskiy Terr., 30 km SE Olga], «Jan. [sic!] 13, 19, leg. T. Cockerell» [NMNH, ZISP]).

Current status. A junior synonym of *Evylaeus ellipticeps* (Blüthgen, 1923) [Blüthgen, 1931a: 215].

Distribution. See *Halictus ellipticeps*.

Halictus moltrechtii Cockerell, 1925

Halictus moltrechtii Cockerell, 1925: 2, 4, ♀ (holotype: ♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 5.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum proximatum* (Smith, 1879) [Ebmer, 1996: 272].

Distribution. See *Halictus emelianoffi*.

Halictus morbillosus orientis Cockerell, 1924

Halictus morbillosus r. *orientis* Cockerell, 1924d: 583, ♀, (syntypes: 4♀♀, «Siberia, Kongaus» [Primorskiy Terr., Anisimovka], ♂, «Okeanskaja» [Primorskiy Terr., Vladivostok], leg. T. Cockerell [AMNY, NMNH, ZISP]).

Current status. Valid, as *Lasioglossum denticolle* (Morawitz, 1891) [Blüthgen, 1931b: 326].

Distribution. **Russia:** Krasnoyarsk Terr., Transbaicalia, Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Korea, China** [Pesenko, 2007b].

Halictus perplexans Cockerell, 1925

Halictus perplexans Cockerell, 1925: 10, ♀ (syntypes: 5♀♀, «Preobrageniya Bay, Siberia» [Primorskiy Terr., Preobrazhenie Bay], «Low Lighthouse» [Primorskiy Terr., 30 km SE Olga], 12–13.VII.1923, leg. T. Cockerell [AMNY, ZISP]).

Current status. Valid, as *Evylaeus perplexans* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Khabarovsk Prov., Primorskiy Terr. [Pesenko, 2007b].

Halictus perplexans speculinus Cockerell, 1925

Halictus perplexans var. *speculinus* Cockerell, 1925: 11, ♀ (holotype: ♀, «Preobrageniya Bay» [Primorskiy Terr., Preobrazhenie Bay], 12.VII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Evylaeus speculinus* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Primorskiy Terr.; **Korea, China** (Heilongjiang) [Pesenko, 2007b].

Halictus problematicus Blüthgen, 1923

Halictus problematicus Blüthgen, 1923: 331, ♀ (lectotype: ♀, no locality [in description: «vermutlich sibirischer Herkunft»] [?Sakhalin], designated by Pesenko, 2007a: 115 [IZKP]).

Current status. Valid, as *Evylaeus problematicus* (Blüthgen, 1923) [Pesenko, 2007a].

Distribution. **Russia:** Sakhalin, Kuril Islands (Kunashir, Iturup, Shikotan); **Japan** (Hokkaido, Honshu, Okinawa) [Pesenko, 2007b].

Halictus shishkini Cockerell, 1925

Halictus shishkini Cockerell, 1925: 6, 7, ♂ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Evylaeus hoffmanni* (Strand, 1915) [Ebmer, 1978: 202].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Japan** (Honshu), **Korea, China** (Shaanxi, Heilongjiang, Jiangsu, Shandong, Shanghai) [Pesenko, 2007b].

Halictus sibiriacus Blüthgen, 1923

Halictus sibiriacus Blüthgen, 1923: 327, ♀ (holotype: ♀, «Ostsibirien» [Primorskiy Terr.] [IZKP]).

Current status. Valid, as *Evylaeus sibiriacus* (Blüthgen, 1923) [Pesenko, 2007a].

Distribution. **Russia:** Primorskiy Terr.; **Japan** (Hokkaido, Honshu, Kyushu, Izu, Okinawa), **Korea, China** (Heilongjiang) [Pesenko, 2007b].

Halictus solovieffi Cockerell, 1925

Halictus solovieffi Cockerell, 1925: 4, ♂ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 9.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Evylaeus sibiriacus* (Blüthgen, 1923) [Ebmer 1978: 202].

Distribution. See *Halictus sibiriacus*.

Halictus sulcatulus Cockerell, 1925

Halictus sulcatulus Cockerell, 1925: 9, ♀ (syntypes: 5♀♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Evylaeus sulcatulus* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr. [Pesenko, 2007b].

Halictus suprafulgens Cockerell, 1925

Halictus suprafulgens Cockerell, 1925: 9, ♀ (holotype: ♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 5.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Evylaeus hoffmanni* (Strand, 1915) [Ebmer, 2006: 557].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Japan** (Honshu), **Korea, China** (Shaanxi, Heilongjiang, Jiangsu, Shandong, Shanghai) [Pesenko, 2007b].

Halictus tacitus Cockerell, 1924

Halictus tacitus Cockerell, 1924: 584, ♀ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 9.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum upinense* (Morawitz, 1890) [Blüthgen, 1926b: 409].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Korea, China** [Pesenko, 2007b].

Halictus transpositus Cockerell, 1925

Halictus transpositus Cockerell, 1925: 8, ♀ (holotype: ♀, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], VIII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Evylaeus transpositus* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Japan** (Hokkaido, Honshu, Kyushu) [Pesenko, 2007b].

Halictus trichorhinus Cockerell, 1925

Halictus trichorhinus Cockerell, 1925: 11, ♀ (holotype: ♀, «Low Lighthouse, Siberia» [Primorskiy Terr., 30 km SE Olga], 3.VII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Evylaeus trichorhinus* (Cockerell, 1925) [Pesenko, 2007a].

Distribution. **Russia:** Primorskiy Terr.; **Mongolia, China** (Shanxi, Shaanxi) [Pesenko, 2007b].

Halictus tutihensis Cockerell, 1925

Halictus tutihensis Cockerell, 1925: 8, ♀ (holotype: ♀, «Tutihe» [Primorskiy Terr.], 14.VII.1923, leg. W. Cockerell [NMNH]).

Current status. A junior synonym of *Evylaeus transpositus* (Cockerell, 1925) [Ebmer, 1996: 286].

Distribution. See *Halictus transpositus*.

Halictus wittenbourgi Cockerell, 1925

Halictus wittenbourgi Cockerell, 1925: 5, 7, ♂ (holotype: ♂, «Siberia, Kongaus» [Primorskiy Terr., Anisimovka], VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Lasioglossum upinense* (Morawitz, 1890) [Ebmer, 1978: 196].

Distribution. See *Halictus tacitus*.

Lasioglossum acuticrista Pesenko, 1986

Lasioglossum acuticrista Pesenko, 1986: 126 (key), 144, ♀, ♂ (holotype: ♀, Primorskiy Terr., Lazovskiy Nature Reserve, 12 km NE Preobrazhenie, 19.VI.1981, leg. Yu. Pesenko [ZISP]).

Current status. A junior synonym of *Lasioglossum proximum* (Smith, 1879) [Sakagami, Tadauchi, 1995: 187].

Distribution. See *Halictus emelianoffi*.

Lasioglossum albipes villosum Ebmer, 1995

Lasioglossum albipes villosum Ebmer, 1995: 533, ♀ (holotype: ♀, Primorskiy Terr., Ryazanovka, 16.VI.1993, leg. V. Sidorenko [PCAE]).

Current status. Valid, as *Evylaeus albipes villosus* (Ebmer, 1995) [Pesenko, 2007a].

Distribution. **Russia:** Amurskaya Prov., Primorskiy Terr. [Pesenko, 2007b].

Lasioglossum eomontanum Ebmer, 2006

Lasioglossum eomontanum Ebmer, 2006: 565, ♀ (holotype: ♀, Gorelaya Sopka Mt., N of Lazo, Primorskiy Terr., 3.VII.2001, leg. M. Quest [OLML]).

Current status. Valid, as *Evylaeus briseis eomontanus* (Ebmer, 2006) [Pesenko, 2007a].

Distribution. **Russia:** Irkutsk Prov., Yakutia, Chukotka, Magadan Prov., Primorskiy Terr. [Pesenko, 2007b].

Lasioglossum eriphyle Ebmer, 1996

Lasioglossum eriphyle Ebmer, 1996: 288, ♀, ♂ (holotype: ♀, Primorsk Terr., 40 km E Ussuriysk, 13.VI.1993, leg. V. Sidorenko [PCAE]).

Current status. Valid, as *Evylaeus eriphylus* (Ebmer, 1996) [Pesenko, 2007a].

Distribution. Russia: Khabarovsk Prov., Jewish Autonomous Prov., Primorskiy Terr., Kuril Islands (Shikotan, Kunashir); **China** (Shaaxi) [Pesenko, 2007b].

Lasioglossum nemorale Ebmer, 2006

Lasioglossum nemorale Ebmer, 2006: 559, ♀, ♂ (holotype: ♂, Lazovskiy Nature Reserve, Tachingouza, Primorskiy Terr., 16.VII.2001, leg. M. Quest [OLML]).

Current status. A junior synonym of *Evyllaesus caliginosus* (Muraio, Ebmer et Tadauchi, 2006) [Pesenko, 2007a: 104].

Distribution. Russia: Irkutsk Prov., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr.; **Japan** (Hokkaido, Honshu, Kyushu), **China** (Heilongjiang), **Mongolia** [Pesenko, 2007b].

Lasioglossum sutshanicum Pesenko, 1986

Lasioglossum sutshanicum Pesenko, 1986: 135, ♀ (holotype: ♀, Primorskiy Terr., Tigrovyi, 11.VI.1927, leg. Sh-takelberg [ZISP]).

Current status. Valid [Pesenko, 2006b].

Distribution. Russia: Primorskiy Terr.; **Korea, China** (Taiwan) [Pesenko, 2007b].

Lasioglossum zeyanense Pesenko, 1986

Lasioglossum zeyanense Pesenko, 1986: 130, ♀ (holotype: ♀, Birshert, Zeya River, Amurskaya Prov., 5–6.VI.1914, leg. Popov [ZISP]).

Current status. Valid [Pesenko, 2006b].

Distribution. Russia: Transbaicalia, Yakutia, Khabarovsk Prov., Amurskaya Prov.; **China** (Xinjiang, Yunnan, Gansu, Qinghai, Shaanxi, Hebei, Beijing) [Pesenko, 2007b].

Seladonia leleji Pesenko, 2006

Seladonia leleji Pesenko, 2006a: 68, ♂ (holotype: ♂, Novokachalinsk, Primorskiy Terr., 26.VII.1995, leg. A. Lelej [ZISP]).

Current status. Valid [Pesenko, 2006a].

Distribution. Russia: Primorskiy Terr. [Pesenko, 2007b].

Seladonia nikolskayae Pesenko, 2006

Seladonia nikolskayae Pesenko, 2006a: 75, ♂ (holotype: ♂, Kedrovaya Pad' Nature Reserve, Primorskiy Terr., 26.VII.1961, leg. M. Nikolskaya [ZISP]).

Current status. Valid [Pesenko, 2006a].

Distribution. Russia: Primorskiy Terr. [Pesenko, 2007b].

Sphecodes sibiricus Cockerell, 1924

Sphecodes sibiricus Cockerell, 1924a: 528, ♀ (holotype: ♀, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 9.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Sphecodes scabricollis* Wesmael, 1835 [Astafurova, Proshchalykin, in litt.].

Distribution. Russia: European part, Khabarovsk Terr., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe, Turkey, Japan** (Hokkaido, Honshu, Shikoku, Kyushu) [Astafurova, Proshchalykin, in litt.].

Megachilidae

Megachilinae

Anthidium amurensis Radoszkowski, 1876

Anthidium amurensis Radoszkowski, 1876: 90, ♂ (holotype: ♂, «de l'Oussuri» [Primorskiy Terr.], leg. Dybowski).

Current status. Valid [Proshchalykin, 2013].

Distribution. Russia: Khakassia, Krasnoyarsk Terr., Irkutsk Prov., Yakutia, Zabaikalskiy Terr., Buryatia, Khabarovsk Terr., Primorskiy Terr., Jewish Autonomous Prov., Amurskaya Prov.; **China** (Hebei, Xinjiang) [Proshchalykin, 2013].

Anthidium dinurum Cockerell, 1924

Anthidium dinurum Cockerell, 1924a: 525, ♂ (holotype: ♂, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Anthidium septempinosum* Lepeletier de Saint Fargeau, 1841 [Gussakovskij, 1932: 59].

Distribution. Russia: European part, Novosibirsk Prov., Altai Republic, Kemerovo Prov., Khakassia, Tuva, Krasnoyarsk Terr., Irkutsk Prov., Buryatia, Khabarovsk Terr., Primorskiy Terr., Amurskaya Prov.; **Europe, Kazakhstan, Japan** (Honshu), **Korea, China, Mongolia** [Proshchalykin, 2013].

Coelioxys kudiana Cockerell, 1924

Coelioxys kudiana Cockerell, 1924a: 524, ♂ (holotype: ♂, «Kudia River, Siberia» [Primorskiy Terr.], 1.VII.1923, leg. T. Cockerell [NHML]).

Current status. A junior synonym of *Coelioxys elongata* Lepeletier, 1841 [Schwarz et al., 1996: 113].

Distribution. Russia: European part, Zabaikalskiy Terr., Buryatia, Khabarovsk Prov., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin; **Europe** [Proshchalykin, 2012].

Coelioxys mandibularis olgae Cockerell, 1924

Coelioxys mandibularis olgae Cockerell, 1924a: 524, ♂ (holotype: ♂, «Olga, Siberia» [Primorskiy Terr.], 13.VII.1923, leg. T. Cockerell [NHML]).

Current status. A junior synonym of *Coelioxys mandibularis* Nylander, 1848 [Schwarz et al., 1996: 114].

Distribution. Russia: European part, Zabaikalskiy Terr., Buryatia, Yakutia, Khabarovsk Prov., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe** [Proshchalykin, 2012].

Coelioxys manchurica Proshchalykin et Lelej, 2004

Coelioxys manchurica Proshchalykin, Lelej, 2004a: 2, ♀ (holotype: ♂, Primorskiy Terr., 7 km E Khasan, 26.VIII.1986, leg. A. Lelej [IBSS]).

Current status. A junior synonym of *Coelioxys formosicola* Strand, 1913 [Schwarz et al., 2012: 361].

Distribution. Russia: Primorskiy Terr.; **Japan** (Hoshu, Kyushu), **China** (Taiwan), **Sri Lanka** [Schwarz et al., 2012].

Coelioxys rufescens nigrescens Cockerell, 1924

Coelioxys rufescens nigrescens Cockerell, 1924a: 523, ♀ (holotype: ♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NHML]).

Current status. A junior synonym of *Coelioxys rufescens* Lepeletier et Serville, 1825 [Schwarz et al., 1996: 115].

Distribution. Russia: European part, Zabaikalskiy Terr., Buryatia, Yakutia, Khabarovsk Prov., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr., Kuril Islands (Kunashir); **Europe, Asia Minor, North-Eastern China** [Proshchalykin, 2012].

Dianthidium leucorhinum Cockerell, 1924

Dianthidium leucorhinum Cockerell, 1924a: 525, ♂ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], VIII.1923, leg. T. Cockerell [NHML]).

Current status. A junior synonym of *Anthidiellum strigatum* (Panzer, 1805) [Romankova, 1994: 127].

Distribution. **Russia:** European part, Novosibirsk Prov., Kemerovo Prov., Altayskiy Terr., Irkutsk Prov., Buryatia, Zabaikalskiy Terr., Khabarovsk Terr., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr.; **Europe, Caucasus, North Africa, Kazakhstan, Korea** [Proshchalykin, 2013].

Formicapis robusta maritima Romankova, 1985

Formicapis robusta maritima Romankova, 1985a: 66, ♀, ♂ (holotype: ♀, Primorskiy Terr., Kievka, 22.V–6.VII.1979, leg. T. Romankova [ZISP]).

Current status. Valid, as *Hoplitis maritima* (Romankova, 1985) [Tkalců, 1995].

Distribution. **Russia:** Primorskiy Terr. [Proshchalykin, 2012].

Megachile analis chionura Cockerell, 1924

Megachile analis chionura Cockerell, 1924b: 600, ♂ (holotype: ♂, «Kudia River, Siberia» [Primorskiy Terr.], VII.1923, leg. W. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile analis* Nylander, 1852 [Schwarz et al., 1996: 105].

Distribution. **Russia:** European part, Irkutsk Prov., Zabaikalskiy Terr., Buryatia, Yakutia, Magadan Prov., Kamchatskiy Terr., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin; **Europe, Turkmenistan, Korea** [Proshchalykin, 2012].

Megachile circumcincta griseohirta Alfken, 1929

Megachile circumcincta var. *griseohirta* Alfken, 1929: 7, ♀ (holotype: ♀, Petropavlovsk, Kamchatka, 25.VIII.1922 [RMSS]).

Current status. A junior synonym of *Megachile circumcincta* (Kirby, 1802) [Schwarz et al., 1996: 106].

Distribution. **Russia:** European part, Irkutsk Prov., Yakutia, Magadan Prov., Kamchatskiy Terr., Jewish Autonomous Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe** [Proshchalykin, 2012].

Megachile ferritineta Cockerell, 1924

Megachile ferritineta Cockerell, 1924b: 603, ♂ (holotype: ♂, «Kudia River, Siberia» [Primorskiy Terr.], VII.1923, leg. T. Cockerell, W. Cockerell [NHML]).

Current status. Valid. This species even not mentioned since description and requires the revision.

Distribution. **Russia:** Primorskiy Terr. [Cockerell, 1924b].

Megachile hasticornis Cockerell, 1924

Megachile hasticornis Cockerell, 1924b: 601, ♂ (syntypes: 2 ♂♂, «Kudia River, Siberia» [Primorskiy Terr.], VII.1923, leg. W. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile nigriventris* Schenck, 1870 [Schwarz et al., 1996: 109].

Distribution. **Russia:** European part, Amurskaya Prov., Primorskiy Terr.; **Europe** [Proshchalykin, 2012].

Megachile lignisecula Cockerell, 1924

Megachile lignisecula Cockerell, 1924b: 603, ♂ (holotype: ♂, «Kudia River, Siberia» [Primorskiy Terr.], VII.1923, leg. W. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile ligniseca* (Kirby, 1802) [Schwarz et al., 1996: 108].

Distribution. **Russia:** European part, Western Siberia, Irkutsk Prov., Yakutia, Kamchatskiy Terr., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe, Japan** (Hokkaido, Honshu), **North-Eastern China** [Proshchalykin, 2012].

Megachile manipula Romankova, 1983

Megachile manipula Romankova, 1983a: 1272, ♀, ♂ (holotype: ♀, «Yakovlevka, Spasskiy Uezd, Ussuriyskiy krai» [Primorskiy Terr.], 1927, leg. Kvashuk [ZISP]).

Current status. Valid [Romankova, 1995a].

Distribution. **Russia:** Primorskiy Terr. [Proshchalykin, 2012].

Megachile melanopyga amaguella
Cockerell, 1924

Megachile melanopyga amaguella Cockerell, 1924b: 602, ♂ (syntypes: 6 ♂♂, «Kudia River» [Primorskiy Terr.], VII.1923, leg. T. Cockerell, W. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile lapponica* Thomson, 1872 [Schwarz et al., 1996: 107].

Distribution. **Russia:** Western Siberia, Irkutsk Prov., Zabaikalskiy Terr., Buryatia, Yakutia, Magadan Prov., Kamchatskiy Terr., Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe, Korea** [Proshchalykin, 2012].

Megachile polita Cockerell, 1924

Megachile polita Cockerell, 1924b: 604, ♂ (holotype: ♀, «Kudia River, Amagu, Siberia» [Primorskiy Terr.], VII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid. This species even not mentioned since description and requires the revision.

Distribution. **Russia:** Primorskiy Terr. [Cockerell, 1924b].

Megachile sichotana Cockerell, 1924

Megachile sichotana Cockerell, 1924b: 601, ♀, ♂ (holotype: ♂, «Okeanskaja, Siberia», VIII.1923, leg. T. Cockerell [NHML]).

Current status. Valid. This species even not mentioned since description and requires the revision.

Distribution. **Russia:** Primorskiy Terr. [Cockerell, 1924b].

Megachile tarsalis Matsumura, 1911

Megachile tarsalis Matsumura, 1911: 107, ♂ (holotype: ♂, Sakhalin, «Todoroki» [Il'inskiy]).

Current status. A junior synonym of *Megachile willughbiella* (Kirby, 1802) [Romankova, 1983b: 144].

Distribution. **Russia:** European part, Irkutsk Prov., Zabaikalskiy Terr., Buryatia, Yakutia, Magadan Prov., Khabarovsk Prov., Jewish Autonomous Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Kunashir); **Europe, Japan** (Hokkaido, Honshu) [Proshchalykin, 2012].

Megachile willughbiella kudiensis Cockerell, 1924

Megachile willughbiella kudiensis Cockerell, 1924a: 529, ♀, ♂ (syntypes: 11 ♂♂, «Kudia River, Siberia» [Primorskiy Terr.], 11.VII.1923, leg. T. Cockerell, W. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile willughbiella* (Kirby, 1802) [Schwarz et al., 1996: 110].

Distribution. See *Megachile tarsalis*.

Megachile willughbiella provecta Cockerell, 1924

Megachile willughbiella provecta Cockerell, 1924a: 529, ♂ (holotype: ♂, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], 1.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Megachile willughbiella* (Kirby, 1802) [Schwarz et al., 1996: 110].

Distribution. **Russia:** See *Megachile tarsalis*.

Osmia amaguensis Cockerell, 1924

Osmia amaguensis Cockerell, 1924b: 599, ♂ (holotype: ♂, «Kudia River, Amagu, Siberia» [Primorskiy Terr.], VII.1923, leg. T. Cockerell [NHML]).

Current status. A junior synonym of *Hoplitis tuberculata* (Nylander, 1848) [Warncke, 1991: 718].

Distribution. **Russia:** European part., Altai, Irkutsk Prov., Zabaikalskiy Terr., Buryatia, Yakutia, Magadan Prov., Khabarovsk Prov., Amurskaya Prov.; **Europe** [Proshchalykin, 2012].

Osmia macrodonta Cockerell, 1924

Osmia macrodonta Cockerell, 1924b: 598, ♂ (holotype: ♂, «Kudia River, Siberia» [Primorskiy Terr.], VII.1923, leg. W. Cockerell [NHML]).

Current status. A junior synonym of *Hoplitis tuberculata* (Nylander, 1848) [Warncke, 1991: 718].

Distribution. See *Osmia amaguensis*.

Osmia opima Romankova, 1985

Osmia opima Romankova, 1985b: 942, ♀, ♂ (holotype: ♀, Primorskiy Terr., Kievka, 19.VIII.1982, leg. T. Romankova [ZISP]).

Current status. Valid [Müller, 2014].

Distribution. **Russia:** Khabarovsk Prov., Primorskiy Terr.; Northern and North-Eastern China [Proshchalykin, 2012].

Stelis atterima melanura Cockerell, 1924

Stelis atterima melanura Cockerell, 1924a: 526, ♀, ♂ (holotype: ♀, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 10.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. Valid, as *Stelis melanura* Cockerell, 1924 [Popov, 1935].

Distribution. **Russia:** Irkutsk Prov., Buryatia, Khabarovsk Terr., Primorskiy Terr.; **China** [Proshchalykin, 2013].

Stelis malaisei Popov, 1941

Stelis malaisei Popov, 1941: 222, ♂ (holotype: ♂, «Maritime Province, Sedanka near Vladivostok» [Primorskiy Terr.], 21.VI.1930, leg. R. Malaise [RMSS]).

Current status. Valid, as *Bathanthidium malaisei* (Popov, 1941) [Proshchalykin, 2013].

Distribution. **Russia:** Primorskiy Terr. [Proshchalykin, 2013].

Apidae

Xylocopinae

Ceratina emigrata Cockerell, 1924

Ceratina emigrata Cockerell, 1924a: 527, ♀ (syntypes: 4♀, «Kongaus, Siberia» [Primorskiy Terr., Anisimovka], «Okeanskaja» [Vladivostok], 1923, leg. T. Cockerell [AMNY]).

Current status. A junior synonym of *Ceratina flavipes* Smith, 1879 [Romankova, 1995b: 551].

Distribution. **Russia:** Khabarovsk Prov., Jewish Autonomous Prov., Primorskiy Terr., Sakhalin; Japan (Hokkaido, Honshu, Shikoku, Kyushu), **China** (Jilin, Hebei, Shandong, Jiangsu, Zhejiang, Jiangxi, Yunnan).

Ceratina flavovaria Gussakovskij, 1932

Ceratina flavovaria Gussakovskij, 1932: 62, ♀, ♂ (syntypes: 2♀, ♂, Vladivostok, Suchan [Primorskiy Terr.] [ZISP]).

Current status. A junior synonym of *Ceratina flavipes* Smith, 1879 [Romankova, 1995b: 551].

Distribution. See *Ceratina emigrata*.

Nomadinae

Ammobatoides radoszkowskii

Proshchalykin et Lelej, 2014

Ammobatoides radoszkowskii Proshchalykin, Lelej, 2014: 451, ♀, ♂ (holotype: ♂, Zabaikalskiy Terr., Selenga, Naushki, 21.VII.1928, leg. Th. Lukjanovitch [ZISP]; paratypes: Russia [Primorskiy Terr., Amurskaya Prov., Buryatia], China [Hebei]).

Current status. Valid [Proshchalykin, Lelej, 2014].

Distribution. **Russia:** Buryatia, Zabaikalskiy Terr., Primorskiy Terr., Amurskaya Prov.; **China** (Hebei) [Proshchalykin, Lelej, 2014].

Biastes popovi Proshchalykin et Lelej, 2004

Biastes popovi Proshchalykin, Lelej, 2004b: 2, ♂ (holotype: ♂, Jewish Autonomous Prov., 40 km N Amurzet, 27.VII.1981, leg. D. Kasparian [IBSS]).

Current status. Valid [Proshchalykin, Lelej, 2004b].

Distribution. **Russia:** Amurskaya Prov., Jewish Autonomous Prov. [Proshchalykin, 2012].

Epeolus sibiricus Radoszkowski, 1887

Epeolus sibiricus Radoszkowski, 1887: 295, ♀, ♂ (syntypes: ♀, ♂, Vladivostok [Primorskiy Terr.], leg. D. Jankowski).

Current status. Valid [Proshchalykin, 2012].

Distribution. **Russia:** Primorskiy Terr. [Proshchalykin, 2012].

Nomada amurensis Radoszkowski, 1876

Nomada amurensis Radoszkowski, 1876: 91, ♀, ♂ (syntypes: «de l'Ussuri» [Primorskiy Terr.], leg. Dybowski).

Current status. Valid [Alexander, Schwarz, 1994].

Distribution. **Russia:** Primorskiy Terr.; Kazakhstan, Japan (Hokkaido, Honshu, Shikoku, Kyushu) [Proshchalykin, 2012].

Nomada issikii Yasumatsu, 1939

Nomada issikii Yasumatsu, 1939: 5, ♂ (holotype: ♂, «Otani» [Sokol, Sakhalin], 12.VIII.1914, leg. Adashi, Issiki [HUMS]).

Current status. Valid [Alexander, Schwarz, 1994].

Distribution. **Russia:** Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin, Kuril Islands (Shikotan, Kunashir, Iturup, Urup); **Japan** (Hokkaido, Rishiri, Honshu, Shikoku) [Proshchalykin, 2012].

Nomada kurilensis Yasumatsu, 1939

Nomada kurilensis Yasumatsu, 1939: 6, ♀ (holotype: ♀, Iturup, «Syamanbe» [Konservnyi], 19–20.VII.1936, leg. Sugikhara [HUMS]).

Current status. A junior synonym of *Nomada flavoguttata* (Kirby, 1802) [Mitai, Tadauchi, 2007: 61].

Distribution. **Russia:** European part, Irkutsk Prov., Yakutia, Primorskiy Terr., Kuril Islands (Iturup); **Europe, Caucasus, North Africa, Kazakhstan, Japan** (Hokkaido, Honshu, Shikoku, Kyushu) [Proshchalykin, 2012].

Nomada mitaii Proshchalykin, 2010

Nomada mitaii Proshchalykin in Proshchalykin, Lelej, 2010: 6, ♀, ♂ (holotype: ♂, Primorskiy Terr., Khasan, 13.VIII.1998, leg. S. Belokobylskij [ZISP]).

Current status. Valid [Proshchalykin, Lelej, 2010].

Distribution. **Russia:** Khakassia, Zabaikalskiy Terr., Amurskaya Prov., Jewish Autonomous Prov., Primorskiy Terr.; **Mongolia** [Proshchalykin, 2012].

Nomada palmeni Morawitz, 1888

Nomada palmeni Morawitz, 1888: 253–254, ♀ (lectotype: ♀, «Amur, Nikolaevsk» [Nikolaevsk-on-Amur, Khabarovsk Terr.], coll. F. Morawitz, designated by Proshchalykin, Lelej, 2010: 8 [ZISP]).

Current status. Valid [Proshchalykin, Lelej, 2010].

Distribution. B Krasnoyarsk Terr., Irkutsk Prov., Khabarovsk Terr. [Proshchalykin, Lelej, 2010].

Nomada setteri Proshchalykin, 2010

Nomada setteri Proshchalykin in Proshchalykin, Lelej, 2010: 10, ♀ (holotype: ♀, Primorskiy Terr., Novokachalinsk, 21.VIII.2009, leg. A. Lelej, M. Proshchalykin, V. Loktionov [IBSS]).

Current status. Valid [Proshchalykin, Lelej, 2010].

Distribution. **Russia:** Primorskiy Terr. [Proshchalykin, 2012].

Apinae

Anthophora rudolphae Romankova, 2003

Anthophora rudolphae Romankova, 2003: 3, ♀, ♂ (holotype: ♂, Primorskiy Terr., Benevskoe, 24.IV.1982, leg. T. Romankova [IBSS]).

Current status. A junior synonym of *Anthophora retusa* (Linnaeus, 1758) [Proshchalykin, 2007: 905].

Distribution. **Russia:** European part, Siberia, Primorskiy Terr., Amurskaya Prov.; **Europe, Central Asia, Northern China** [Proshchalykin, 2012].

Anthophora vulpina pachypoda Cockerell, 1924

Anthophora vulpina pachypoda Cockerell, 1924a: 527, ♂ (holotype: ♂, «Okeanskaja, Siberia» [Primorskiy Terr., Vladivostok], 18.VIII.1923, leg. T. Cockerell [NMNH]).

Current status. A junior synonym of *Anthophora quadrimaculata* (Panzer, 1798) [Schwarz et al., 1996: 134].

Distribution. **Russia:** European part, Primorskiy Terr.; **Europe** [Schwarz et al., 1996].

Ctenoplectra ussuriana Popov, 1936

Ctenoplectra ussuriana Popov, 1936: 78, ♂ (holotype: ♂, Primorskiy Terr., Krivoi Kluch, near Nikolo-Ussuriisk, 5.VIII.1933, leg. Samoilov [ZISP]).

Current status. Valid, as *Macropis ussuriana* (Popov, 1936) [Popov, Guigla, 1936].

Distribution. **Russia:** Khabarovsk Prov., Primorskiy Terr.; **China** (Jilin) [Proshchalykin, 2012].

Podalirius sibiricus Gussakovskij, 1932

Podalirius sibiricus Gussakovskij, 1932: 58, ♀, ♂ (syn-types: 2♀, 3♂, «Pestshanka, kreis Troitzkosawsk» [Buryatia], «Sedanka, Sutchan» [Primorskiy Terr.] [ZISP]).

Current status. A junior synonym of *Anthophora terminalis* Cresson, 1869 [Davydova, Pesenko, 2002: 1352].

Distribution. **Russia:** European part, Buryatia, Zabaikalskiy Terr., Yakutia, Khabarovsk Prov., Amurskaya Prov., Primorskiy Terr., Sakhalin; **Europe, North America.**

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