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**NEW DATA ON DISTRIBUTION OF SOCIAL WASPS
(HYMENOPTERA, VESPIDAE, VESPINAE)
IN THE RUSSIAN FAR EAST**

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[Дубатов В.В., Новомодный Е.В. Об обнаружении *Vespa binghami* и *Vespa mandarinia* (Hymenoptera, Vespidae) в Хабаровском крае]

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В результате сборов Е.В. Новомодного на юге Хабаровского края удалось обнаружить *Vespa binghami* и *V. mandarinia*, которые ранее в материковой части Дальнего Востока России были известны только из Приморского края. Приводятся также новые находки в Приамурье трех малоизвестных видов – *Vespula koreensis*, *V. flaviceps* и *V. shidai*.

Based on the materials collected by E.V. Novomodnyi in the southern part of the Khabarovskii Krai Province, two *Vespa* species were found formerly known from Primorye. The material is deposited in the Local Lore Museum of Khabarovsk, Russia.

Vespa binghami du Buysson, 1905

=*Vespa suprunenkoi* Birula, 1925

Notes. The species was known formerly from the southern part of the Primorye territory, Sakhalin, North-East India, Bhutan, North Myanmar, North Thailand, Laos, North Vietnam, Central and South China, Korea [Kurzenko, 1995, 2004; Carpenter, Kojima, 1997]. The new observation in the Khabarovsk vicinity (flew at daytime between bushes in a dell in a



broad-leaved/*Pinus koreensis* forest) seems to be the northernmost reliably known for the species, because the record from Sakhalin has not exact data [Kurzenko, 2004]. The species is easily distinguishable by large ocelli closely located to eyes (fig. 1, A).

Material. Russia: Khabarovskii Krai: 1 female, the Khabarovsk vicinity, the Khekhtsir Mountain, Korfovsk, late V 2004 (Novomodnyi leg.).

Vespa mandarinia Smith, 1852

Notes. This species formerly has been recorded from the southern part of the Primorye territory in Russia, Korea, China, Japan, Indochina, Nepal, Bhutan, India, Sri Lanka [Kurzenko, 1995; Carpenter, Kojima, 1997]. The new record from Mukhen in 80 km ESE from Khabarovsk (flew between trees in a broad-leaved/*Pinus koreensis* forest), is the first for the Amur Region. E.V. Novomodnyi observed the same species once more several years ago near Korfovskii between other *Vespa* species drinking sap on a willow tree, and in 2004 in Roshchino, the SW suburbs of Khabarovsk, at a water basin.

Material. Russia: Khabarovskii Krai: 1 female, Mukhen st. (fig. 1, B), 22.VI 1998 (Novomodnyi leg.).

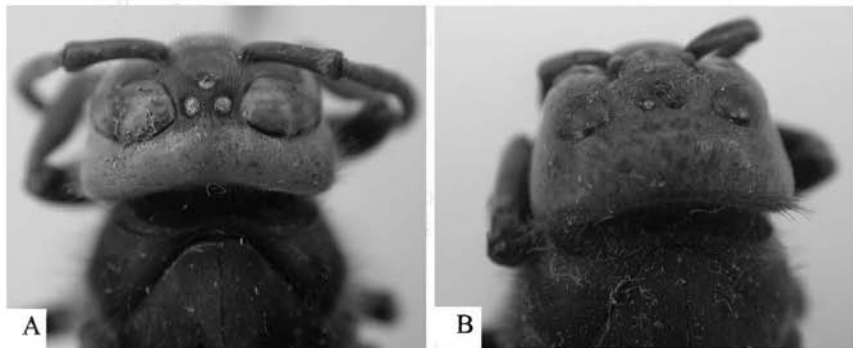


Fig. 1. – A. *Vespa binghami*, Korfovsk, head upperside; B. *Vespa mandarinia*, Mukhen, head upperside

Vespa koreensis (Radoszkowski, 1887)

Notes. This oriental species was known in Russia from the southern parts of the Primorye territory [Kurzenko, 1995] and Khabarovsk suburbs



[Gussakovskii, 1932]; later it was collected in Amur Province near Blagoveshchensk [Dubatolov, Streltsov, Malikova, 2002]. It was also collected at Kundur, in the south-eastern part of the Amurskaya Province, between two known localities of the species in the Amur River valley.

Material. Russia: Amurskaya province: 1 female, Kundur, 10.X.1998 (Novomodnyi leg.); Khabarovsk Province: 1 female, ~10 km S from Khabarovsk, village Km 24th, 13.VI 2003 (Dubatolov leg.); 1 female, S from Khabarovsk, Khekhtsir, Km 20th, 15.VI 2003 (Dubatolov leg.).

Vespula flaviceps (Smith in Horne et Smith, 1870)

Notes. An oriental species, observed in Russia from the southern part of the Primorye territory [Kurzenko, 1995], and, as a rare species, known from the Blagoveshchensk suburbs in Amurskaya Province. New records from the Khabarovsk suburbs and Kundur in south-eastern part of Amurskaya Province are situated between the known localities.

Material. Russia: Amurskaya province: 2 females, Kundur, 11.VIII.1992, 12.X.1998 (Novomodnyi leg.); Khabarovskii Krai: 1 female, the SW suburbs of Khabarovsk, Roshchino, 26.V 2001 (Novomodnyi leg.); 1 female, S from Khabarovsk, Khekhtsir, Km 20th, 15.VI 2003 (Dubatolov leg.).

Vespula shidai Ishikawa, Sk. Yamane et Wagner, 1980

Notes. A Manchurian-Japanese species, formerly recorded from the southern part of the Primorye territory, the Southern Kuriles and, with some doubt, from Sakhalin [Kurzenko, 1995, 2004], Khabarovsk and Talakan in the south-eastern part of the Amur Province. The new record from Kundur is the second one in the latter region.

Material. Russia: Amurskaya province: 1 male, Kundur, 8.X 1998 (Novomodnyi leg.).

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REFERENCES

Birula, A. Ueber die russischen Wespen und ihre geographische Verbreitung. I. // Arch. Naturgesch., 1925. Bd. 90 A, Nr 12. – S. 88-102.

Buysson, R. du. Monographie des guêpes du *Vespa* // Annales de la Société Entomologique de France, 1904. – Vol. 72. – P. 260-288, pl. 3-4; 1905. – Vol. 73. – P. 485-634, pl. 5-15.

Carpenter, J. M., Kojima, J. Checklist of the species in the subfamily Vespinae (Insecta: Hymenoptera: Vespidae) // Natural History Bulletin of Ibaraki University, 1997. Vol. 1. – P. 51-92.

Dubatolov, V.V., Streltsov, A.N., Malikova, E.I. New data on distribution of social wasps (Hymenoptera, Vespidae: Polistinae, Vespinae) in the Asian Russia and North China // Zhivotnyi mir Dal'nego Vostoka. – Blagoveshchensk, 2002. – Issue 4. – P. 117-122.

Gussakovskii, V. Verzeichnis der von Herrn Dr. R. Malaise im Ussuri und Kamtschatka gesammelten aculeaten Hymenopteren // Arkiv f. Zool., 1932. – Vol. 24A. – P. 1-66.

Ishikawa, R., Yamane, Sk., Wagner, R.E. Description of a new species of the genus *Vespula* from north-eastern Asia (Hymenoptera, Vespidae). In: Yamane, Sk., Wagner, R.E., Yamane, S. A tentative revision of the subgenus *Paravespula* of Eastern Asia (Hymenoptera, Vespidae) // Insecta Matsumurana, 1980. – Vol. 19. – P. 44-46.

Kurzenko, N. V. [Superfamily Vespoidea. 65. Family Vespidae - hornets]. In: Opredelitel' nasekomykh Dal'nego Vostoka Rossii. T. IV. Setchatokryloobraznye, skorpionitsy, pereponchatokrylye. P. 1. St-Petersburg: Nauka, 1995. – P. 264-324 (in Russian).

Kurzenko, N. V. [Vespid and Sapygid wasps fauna (Hymenoptera, Vespidae, Sapygidae) of Sakhalin Island // Rastitel'nyi i zhivotnyi mir ostrova Sakhalin (Materialy Mezhdunarodnogo sakhalinskogo proekta) [Flora and fauna of Sakhalin Island (Materials of International Sakhalin Island Project)]. Part 1. – Vladivostok: Dalnauka, 2004. – P. 193-208 (in Russian).

Radoszkowski, O. Hyménoptères de Korée // Horae Soc. Ent. Ross., 1887. – T. 21. – P. 428-436.