

## Correspondence

hppt/ urn:lsid:zoobank.org:pub: 94098D19-8AD1-4302-90A5-3399D87E4A27

**P. G. Nemkov. TO THE SYNONYMY OF *GORYTES MACULICORNIS* (F. MORAWITZ, 1889) (HYMENOPTERA: CRABRONIDAE, BEMBICINAE). – Far Eastern Entomologist. 2016. N 307: 6-8.**

*Institute of Biology and Soil Science, Far Eastern Branch of the Russian Academy of Sciences, Vladivostok, 690022, Russia. E-mail: p\_nemkov@mail.ru*

**Summary.** A new synonymy is proposed: *Gorytes maculicornis* (F. Morawitz, 1889) = *G. harbinensis* Tsuneki, 1967, **syn. n.**

**Key words:** Hymenoptera, digger wasps, *Gorytes*, taxonomy, new synonymy.

**П. Г. Немков. К синонимии *Gorytes maculicornis* (F. Morawitz, 1889) (Hymenoptera, Crabronidae, Bembicinae) // Дальневосточный энтомолог. 2016. N 307. С. 6-8.**

**Резюме.** Установлена новая синонимия: *Gorytes maculicornis* (F. Morawitz, 1889) = *G. harbinensis* Tsuneki, 1967, **syn. n.**

This paper is based on the material deposited in the collections of Institute of Biology and Soil Science, Vladivostok. The detailed description of *Gorytes harbinensis* Tsuneki, 1967 was compared with the materials of all Eastern Palaearctic *Gorytes* species. Descriptive terminology follows Bohart and Menke (1976), but the term "metasoma" instead of "gaster" is used.

## TAXONOMY

### *Gorytes maculicornis* (F. Morawitz, 1889)

*Hoplisis maculicornis* F. Morawitz, 1889: 149, ♀. Lectotype ♀, China: Gansu, Sigu, (Zoological Institute, St. Petersburg), designated by Nemkov, 1989: 72.

*Gorytes maculicornis*: Handlirsch, 1895: 922; Bohart & Menke, 1976: 501; Nemkov, 1989: 68, 70.

*Gorytes eous* Gussakovskij, 1932: 30, ♀, ♂. Lectotype ♀, Russia: Primorskii krai, Sedanka (Naturhistoriska Riksmuseet, Stockholm), designated by Nemkov, 1989: 72. Synonymized by Nemkov, 1989: 72.

*Gorytes harbinensis* Tsuneki, 1967: 5, ♂. Holotype ♂, China: Heilongjiang, Harbin, (Nationaal Natuurhistorisch Museum, Leiden), **syn. n.**

**MATERIAL EXAMINED.** **Russia. Amurskaya oblast:** Kundur, 20.VII 1988, 1♂ (Lelej). **Khabarovskii krai:** Pivan, 19.VII 2003, 2♂ (Mutin). **Primorskii krai:** Tarasovka, 18.VII 1973, 1♂ (Kulikova); Golubinyi Utes near Khasan, 9.VIII 1976, 1♀ (Kurzenko); "Kedrovaya Pad" Nature Reserve, 11.VIII 1976, 1♀ (Berezantsev); Shcherbakovka, 26.VII 1979, 1♂ (Lehr); Blagodatnoe, 5.VIII 1981, 1♂ (Mutin); Anisimovka, 4.VII 1982, 3-6.VIII 1983, 11.VII 1984, 3♀, 2♂ (Lelej); the same locality, 11.VII 1984, 1♂ (Belokobylskii); the same locality, 12.VII, 8.VIII 1985, 3♂ (Dakhno); 10 km S Novogeorgievka, 7.VIII 1982, 1♀ (Shalagina); 6 km W Chernyatino, 13.VIII 1982, 1♀ (Shalagina); Ussiriiskii Nature Reserve,

15.VIII 1982, 1♀ (Nemkov); the same locality, 19.VII 1983, 1♂ (Shalagina); Merkushovka, 4.VII 1985, 1♀ (Nemkov); Evseevka, 28.VI 1985, 1♀ (Belokobylskii); the same locality, 28.VI 1985, 1♂ (Lelej); Nikolaevka, 24.VII 1986, 1♂ (Lelej); Novomikhailovka, 26.VII 1986, 1♂ (Kurzenko); Dmitrievka, 28.VII 1986, 1♀, 1♂ (Nemkov); 40 km S Melnichnoe, 31.VII 1986, 1♂ (Lelej); Dubovskoe, 31.VII 1986, 1♂ (Nemkov); 7 km E Khasan, 26-28.VIII 1986, 2♀, 4♂ (Lelej); Gornyi Khutor, 15.VII 1988, 1♀ (Esipenko); 20 km NE Spassk, 24.VII 1998, 1♂ (Belokobylskii); Vladivostok, 22-23.VII 2003, 2♂ (Vrzhosek).

DISTRIBUTION. Russia (Zabaikalskii Krai, Amurskaya Oblast, Khabarovskii Krai, Primorskii Krai), China (Gansu, Heilongjiang), Korean Peninsula, Japan (Hokkaido, Honshu).

#### DISCUSSION

*Gorytes harbinensis* was described from northeast China (Harbin) by two males (Tsuneki, 1967). One male of this species was recorded from Primorskii Krai by Gorobchishin (1991). Unfortunately the latter specimen is lost (pers. communication of Gorobchishin). According to the detail original description of Tsuneki (1967), *G. harbinensis* differs from related species by a combination of the following characters: inner eye orbits strongly converging downward, scutum scattered punctured, posterior part of propodeal enclosure and lateral surface of propodeum behind spiracular groove with smooth rugose sculpture, metasomal tergum I basally between two usual large keels gently longitudinally striated, clypeus yellow, mandible basally with small yellow spot, subantennal sclerite black, frons with narrow yellow stripes along inner orbits, flagellum mostly red. K. Tsuneki compared *G. harbinensis* with *G. sulcifrons* (A. Costa, 1867), *G. koreanus* Handlirsch, 1888 (currently *G. laticinctus koreanus*), and *G. quadrifasciatus* (Fabricius, 1804) only. However, my examination the characters of *G. harbinensis* with related species show that the diagnostic characters of *G. harbinensis* are clearly within the variability of *G. maculicornis* and I regard *G. harbinensis* Tsuneki, 1967 as a junior subjective synonym of *G. maculicornis* (F. Morawitz, 1889).

#### ACKNOWLEDGEMENTS

I thank Prof. A.S. Lelej (Vladovostok) for valuable comments. The work is supported by the grant of the Russian Foundation for Basic Research No 14-04-00649.

#### REFERENCES

- Bohart, R.M. & Menke, A.S. 1976. *Sphecid Wasps of the World. A generic revision*. University of California Press, Berkeley, Los Angeles, London. 695 p.
- Gorobchishin, V.A. 1991. *Gorytes harbinensis* Tsuneki (Hymenoptera, Sphecidae) – first record from USSR. *Vestnik Zoologii*, 3: 50.
- Gussakovskij, V.V. 1932. Verzeichnis der von Herrn Dr R. Malaise im Ussuri und Kamtschatka gesammelten aculeaten Hymenopteren. *Arkiv för Zoologi*, 24A(10): 1–66.
- Handlirsch, A. 1895. Nachträge und Schlusswort zur Monographie der mit *Nysson* und *Bembex* verwandten Grabwespen. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe. Abtheilung I*, 104: 801–1079, Taf. 1–2.
- Morawitz, F. 1889. Insecta, a Cl. G. N. Potanin in China et in Mongolia novissime lecta. IV. Hymenoptera Aculeata. *Horae Societatis Entomologicae Rossicae*, 23: 112–168.

- Nemkov, P.G. 1989. Digger wasps of genus *Gorytes* (Hymenoptera, Sphecidae) of Siberia and Far East. *Zoologicheskii Zhurnal*, 68(4): 66–73. [In Russian].
- Tsuneki, K. 1967. Further studies on the fossorial Hymenoptera from Manchuria. *Etizenia*, 23: 1–17.