Correspondence

http/urn:lsid:zoobank.org:pub:605DDA68-0852-487C-B9B4-A1F5546EC907

M. V. Mokrousov. ON THE SYNONYMY OF TWO DIGGER WASPS (HYMENOPTERA: SPHECIDAE, CRABRONIDAE) FROM THE ORIENTAL AND PALAEARCTIC REGIONS. – Far Eastern Entomologist. 2017. N 328: 35-36.

Institute of Biology and Biomedicine at Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod 603950, Russia. E-mail: sphecid@inbox.ru

Summary. New synonymy is proposed for *Chalybion* (*Hemichalybion*) *sumatranum* (Kohl, 1884) = *Sceliphron clypeatum* Pham, 2016, **syn. n.** and for *Holotachysphex mochii* (de Beaumont, 1947) = *Holotachysphex prosopigastroides* (Gussakovskij, 1952), **syn. n.**

Key words: Digger wasps, Sphecidae, Crabronidae, taxonomy, new synonymy.

М. В. Мокроусов. К синонимии двух роющих ос (Hymenoptera: Sphecidae, Crabronidae) из Ориентальной и Палеарктической областей // Дальневосточный энтомолог. 2017. N 328. С. 35-36.

Резюме. Установлена новая синонимия: *Chalybion* (*Hemichalybion*) *sumatranum* (Kohl, 1884) = *Sceliphron clypeatum* Pham, 2016, **syn. n.**; *Holotachysphex mochii* (de Beaumont, 1947) = *Holotachysphex prosopigastroides* (Gussakovskij, 1952), **syn. n.**

New data on synonymy of the digger wasps (Sphecidae, Crabronidae) are given below. I am grateful to W. J. Pulawski (California Academy of Science, San Francisco, CA, USA), for his assistance in the preparation of this paper, and V. A. Gromenko (Moscow, Russia) for the donation of the specimens of *H. mochii*.

***Chalybion* (*Hemichalybion*) *sumatranum* (Kohl, 1884)**

Pelopoeus sumatranus Kohl, 1884: 375, ♀. Holotype or syntypes: ♀, Indonesia, Sumatra (Naturhistorisches Museum, Wien, Austria).

Sceliphron clypeatum Pham, 2016: 687, ♀. Holotype: ♀, Vietnam, Thai Binh Province, Hung Hà District, Hong Minh (Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology, Hanoi, Vietnam), **syn. n.**

NOTES. The original description and illustration of *Sceliphron clypeatum* Pham, 2016 make it possible to assign it to the genus *Chalybion* Dahlbom, 1843, subgenus *Hemichalybion* Kohl, 1918 and identify it as *Ch. sumatranum* Kohl, the sole representative of the subgenus in the East Oriental fauna. The female of *Hemichalybion* are characterized by the clypeus with a longitudinal carina and a rounded or nearly truncate apex (without carina and bilobed or bidentate in *Sceliphron* Klug, 1801); propodeal enclosure separated by wide impression (with a deep groove in *Sceliphron*). The size, coloration and morphology, given in the original description of *Sceliphron clypeatum* Pham, 2016 are entirely identical with those of *Chalybion sumatranum* (Kohl) (Kohl, 1884: 375; 1918: 84).

***Holotachysphex mochii* (de Beaumont, 1947)**

Tachysphex mochii de Beaumont, 1947: 676, ♀. Holotype: ♀, Greece, Rhodes (Museo Regionale di Scienze Naturali di Torino, Italy).

Haplognatha prosopigastroides Gussakovskij, 1952: 249, ♀. Holotype: ♀, Tajikistan, Hissar Mountains near Stalinabad [now Dushanbe] (Zoological Institute, St. Petersburg, Russia, probably lost), **syn. n.**

MATERIAL. **Uzbekistan**: Surkhandarya Prov., Yakkabag distr., Tatar (Suvlisaj), Hissar Mountains, Kyzyldarya riv., 38.84°N 67.09°E, 14.IX 1993 (V. Gromenko), 2♂ [Zoological Institute, St. Petersburg, Russia; M. Mokrousov personal collection].

DISTRIBUTION. Libya, Greece, Turkey, Israel, Jordan, Iran, Uzbekistan, Tadjikistan.

NOTES. W. Pulawski (1992) discussed the taxonomic status of *H. prosopigastroides* Gussakovskij, 1952, type species of monotypic *Haplognatha* Gussakovskij, 1952, and suggested that it could be a junior synonym of *H. mochii* (de Beaumont, 1947). The collecting of *H. mochii* less than 150 km of the type locality of *H. prosopigastroides* is supporting of this synonymy.

The doubts about the identity of *H. prosopigastroides* Gussakovskij and *H. mochii* (de Beaumont) are based on the original figure (Gussakovskij, 1952: Fig. 25), where the median clypeal process is given as long and narrow. In the description, however, wrote that the clypeus a relatively short, apically with rounded median process. In Gussakovskij's figure the lateral darkened parts are possibly belong to median lobe of the clypeus. If so, we can consider that generally the form of the clypeus of *H. prosopigastroides* corresponds to that of *H. mochii*. The size, coloration and characters, given in the original description of *Haplognatha prosopigastroides* Gussakovskij, 1952 are entirely identical with those of *Holotachysphex mochii* (de Beaumont, 1947).

REFERENCES

Beaumont, J. de 1947. Contribution à l'étude du genre *Tachysphex* (Hym. Sphecid.). *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*, 20: 661–677.

Gussakovskij, V.V. 1952. [New and little known species of Psammocharidae and Sphecidae (Hymenoptera) of western Tajikistan]. *Trudy Zoologicheskogo Instituta Akademii Nauk SSSR,* 10: 199–288. [In Russian].

Kohl, F. F. 1884. Neue Hymenopteren in den Sammlungen des k. k. zool. Hof-Cabinetes zu Wien. II. *Verhandlungen der kaiserlich-königlichen Zoologisch-Botanischen Gesellschaft in Wien,* 33: 331–386, pls. XVIIa–XVIII.

Kohl, F. F. 1918. Die Hautflüglergruppe "Sphecinae". IV. Die natürliche Gattung *Sceliphron* Klug (= *Pelopaeus* Latr.). *Annalen des k.k. Naturhistorischen Hofmuseums,* 32: 1–171.

Pham, Ph. H. 2016. Taxonomic notes on the genus *Sceliphron* Klug (Hymenoptera: Sphecidae) from northern Vietnam, with description of a new species. *Turkish Journal of Zoology,* 40: 686–690.

Pulawski, W. J. 1992. World species of the wasp genus *Holotachysphex* de Beaumont (Hymenoptera: Sphecidae). *Proceedings of the Entomological Society of Washington,* 94(2): 223–242.

© **Far Eastern entomologist (Far East. entomol.)** Journal published since October 1994.

Editor-in-Chief: S.Yu. Storozhenko

Editorial Board: A.S. Lelej, N.V. Kurzenko, M.G. Ponomarenko, E.A. Beljaev, V.A. Mutin, E.A. Makarchenko, T.M. Tiunova, P.G. Nemkov, M.Yu. Proshchalykin, S.A. Shabalin

Address: Federal Scientific Center of the East Asia Terrestrial Biodiversity (former Institute of Biology and Soil Science), Far East Branch of the Russian Academy of Sciences, 690022, Vladivostok-22, Russia.

E-mail: storozhenko@biosoil.ru web-site: http://www.biosoil.ru/fee