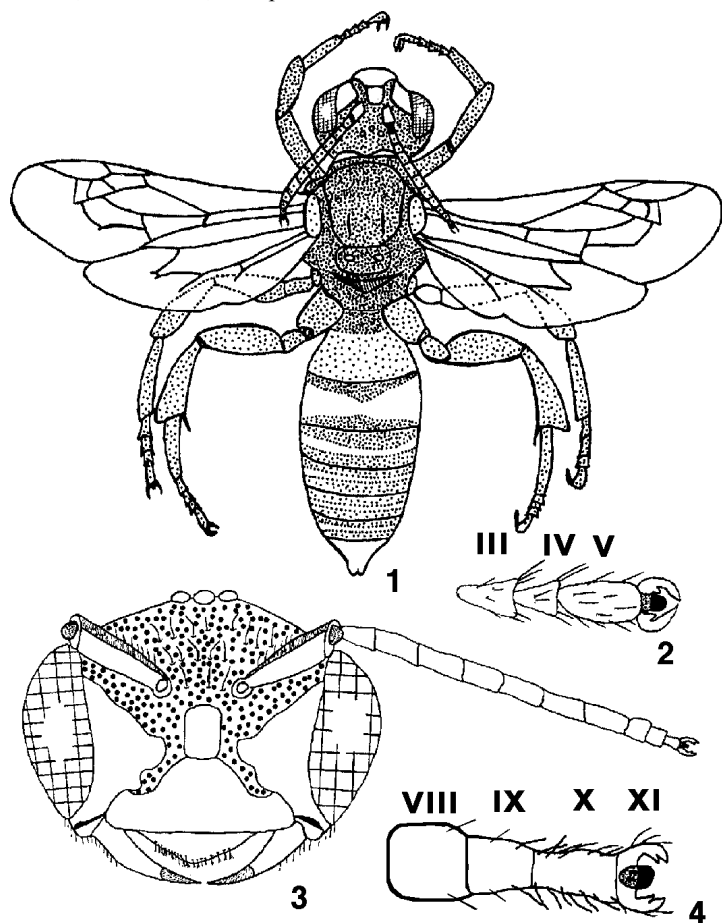


SHORT COMMUNICATION

M. Yu. Proshchalykin. ANOMALY OF THE ANTENNAE OF *NOMADA COMPARATA* COCKERELL, 1911 (HYMENOPTERA, APIDAE). – Far Eastern Entomologist. 2003. N 128: 15-16.

М. Ю. Прошчалыкин. Аномалия усиков у *Nomada comparata* Cockerell, 1911 (Hymenoptera, Apidae) // Дальневосточный энтомолог. 2003. N 128. С. 15-16.

During an examination of about 4000 specimens of the bees (Hymenoptera, Apidae) collected in the Russian Far East and deposited in the collection of the Institute of Biology and Soil Science, Vladivostok, one specimen with abnormal antennae was found.



Figs 1-4. *Nomada comparata*, male: 1) habitus, 2) three apical tarsal segments, 3) head with abnormal antennae, 4) three apical flagellomeres.

In male specimen of *Nomada comparata* Cockerell, 1911 collected 26.V 1995 at suburb of Vladivostok, Primorskii krai on *Malus mandzhurica* flowers four apical flagellomeres were replaced by three apical tarsal segments including arolia and claws both in left and right antennae. Other body parts including another flagellomeres and genitalia are normal and not modified (Figs 1, 3). The apical flagellomere modified to arolia and claws, flagellomere X similar to tarsal segment V without arolia and claws, flagellomeres IX and VIII similar to tarsal segments IV and III correspondingly including setae (Figs 2, 4). Somewhat similar anomalies in antennae structure are recorded for Syrphidae [1], but in those cases the antenna transformation was more simple and asymmetrical.

Nomada comparata is newly recorded to the Russia. According Tsuneki [2] and Alexander & Schwarz [3] this species is distributed in Japan (Hokkaido, Honshu).

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1. Nielsen, T. 1966. Anomalities of the antennae of *Syrphus cinctus* Fall. and *Platychirus angustatus* Zett. (Dipt. Syrphidae). – Norsk ent. Tidsskr. 13(4): 425-426.
2. Tsuneki, K. 1973. Studies on *Nomada* of Japan (Hym., Apidae). – Etizenia 66(I): 1-83; 66(II): 84-141.
3. Alexander, B.A. & Schwarz, M. 1994. A Catalog of the Species of *Nomada* (Hymenoptera: Apoidea) of the World. – The University of Kansas Science Bulletin 55(7): 239-270.

Author's address:

Institute of Biology and Soil Science,
Vladivostok-22, 690022, Russia

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Editorial Board: A.S. Lelej, Yu.A. Tshistjakov, N.V. Kurzenko

Address: Institute of Biology and Soil Science, Far East Branch of Russian Academy of Sciences, 690022, Vladivostok-22, Russia.

E-mail: entomol@ibss.dvo.ru

FAX: (4232) 310 193