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A revision of the subgenus *Bessobates* of the genus *Netelia* from Japan (Hymenoptera, Ichneumonidae, Tryphoninae)

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Abstract

Japanese species of the genus *Netelia* of the subgenus *Bessobates* are revised. Fourteen species are recognized. Four new species, *N. (B.) longipad*, *N. (B.) nigradorsalis*, *N. (B.) nodai* and *N. (B.) yakushimensis*, are described. Six species, *N. (B.) comitor* Tolkanitz, 1974, *N. (B.) frenata* Tolkanitz, 1981, *N. (B.) gansuana* (Kokujev, 1906), *N. (B.) kiuhabona* (Uchida, 1928), *N. (B.) nanaki* Kaur & Jonathan, 1979 and *N. (B.) pallescens* (Schmiedeknecht, 1910) are recorded from Japan for the first time and redescribed based on Japanese specimens. Male genitalia of *N. (B.) yamatoensis* (Uchida, 1934) are figured and described for the first time. *Netelia (Bessobates) odaiensis* (Uchida, 1934) is removed from synonym with *virgata* and treated as species incertae sedis. Three species, *N. (B.) cristata* (Thomson, 1888), *N. (B.) latungula* (Thomson, 1888) and *N. (B.) virgata* (Geoffroy, 1785) are redescribed based on Japanese specimens. A key to 14 Japanese species is given.

Key words: description, Eastern Palearctic, taxonomy, new species, parasitoid

membrane of median surface with long and weakly curved strip of minutely papillate cuticle; pad situated at apical 1/4 of paramere in middle; subapical sclerotized plate produced anteriorly to form an overhang; penis valve (Fig. 120) slightly tapered toward apex and almost straight; basal apodeme of aedeagus strongly curved dorsally.

Head yellow; occiput brownish-yellow; antenna reddish-brown. Mesosoma yellow; mesoscutum with light brown stripes on each of median and lateral lobes; scutellum, postscutellum and propodeum light brown; mesosternum and markings on mesopleuron brownish-yellow. Legs brownish-yellow; hind tarsus whitish-yellow. Wings hyaline; vein C and pterostigma of fore wing brownish-yellow, other veins blackish-brown. Metasoma light brown.

Length of fore wing: 12.3–14.8 mm.

♀. Unknown.

Specimens examined. [Hokkaido] 5♂, Mt. Syaridake, 5–6. vii. 1990 (N. Kuhara *et al.*), NIAES; 1♂, Ginsendai, Mt. Daisetsu, 11. viii. 1970 (T. Kumata), SEHU; 1♂, Mt. Tarumaesan, 21–26. vii. 1998 (K. Konishi, Malaise trap), NIAES. [Honshu] Aomori Pref.: 1♂, Mt. Hakkoda-san, 30. vii. 1927 (H. Kono), recorded as *Parabatus cristatus* by Uchida (1928), SEHU. Iwate Pref.: 6♂, Kawaranobo, Mt. Hayachine, 15–16. vii. 1985 (K. Konishi *et al.*, at light), NIAES. Yamagata Pref.: 1♂, Mt. Hagurosan, 7. vi. 1968 (I. Hattori), NIAES. Fukushima Pref.: 1♂, Mt. Yamizosan, 12. viii. 1993 (M. Yoshida, at light), NIAES. Tochigi Pref.: 1♂, Kuroiso, 15. vi. 1996 (K. Nakamura, at light), NIAES; 3♂, Nikkozawa, 21. vii. 1986 (H. Makihara, at light), NIAES; 1♂, Odashirogahara, Okunikko, 19. vii. 1980 (K. Konishi, at light), NIAES. Tokyo: 1♂, Yazawa, Hinohara, 1–2. vi. 1988 (S. Saito), NIAES. Nagano Pref.: 3♂, Nanakurasawa, Omachi, 3. vii. 1982 (Y. Yoshida *et al.*, at light), NIAES; 1♂, Kisokoma-kôgen, 10. vii. 1982 (Y. Yoshida *et al.*, at light), NIAES; 1♂, nr. Shiga-kôgen, 28. viii. 1971 (M. Nagai), MNHA. Yamanashi Pref.: 1♂, Kiyosato, 19. vii. 1984 (S. Nomura *et al.*, at light), NIAES. Nara Pref.: 1♂ (holotype) (4–6. vii. 1932, C. Teranishi, SEHU), 1♂ (4–6. vii. 1932, C. Teranishi, SEHU), 2♂ (13–14. vii. 1983, S. Ito, NIAES) & 2♂ (25. vi. 1984, K. Konishi, at light, NIAES), Mt. Odaigaharayama.

Distribution. Japan (Hokkaido, Honshu).

Remarks. This species belongs to the *virgata* group, as stated in the remarks for *comitor*.

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