

Taxonomic Notes on Two Japanese Species of Formicidae (Hymenoptera)

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Through the kindness of Dr. C. BESUCHET of Muséum d'Histoire naturelle, Genève, we had a chance to examine the syntype specimens of *Leptothorax congruus* var. *spinosior* and *Camponotus caryae* var. *keihittoi*, both described by FOREL from Japan. After a careful examination, we have concluded that varieties *spinosior* and *keihittoi* are regarded as full species.

1. *Leptothorax spinosior* FOREL, n. stat.

Leptothorax congruus var. *spinosior* FOREL, 1901, Anns. Soc. ent. Belg., 45: 371.

Remarks. Two syntype workers were examined. The present species is distinguished from *congruus* by the long, narrow and acute propodeal spines which are angled at dorsal margins. Nests of *spinosior* are mostly found in the ground of grasslands or barelands, while *congruus* is arboreal and nests in dead twigs of standing trees or stems of dead grasses in forest areas and grasslands.

Distribution. Japan, Korea.

2. *Camponotus (Myrmentoma) keihittoi* FOREL, n. stat.

Camponotus fallax var. *keihittoi* FOREL, 1913, Rev. suisse Zool., 21: 663.

Camponotus (Myrmentoma) caryae var. *keihittoi*; EMERY, 1925, Genera Insect., Formicinae, fasc. 183: 118.

Camponotus tokyoensis TERANISHI, 1915, Kontyûgaku Zasshi, 1: 137. [Preoccupied, nec. *tokyoensis* ITO, 1912, Anns. Soc. ent. Belg., 56: 341.]

Camponotus (Myrmentoma) caryae var. *teranishii* WHEELER, 1928, Boll. Lab. Zool. gen. agrar. Portici, 21: 118. [Replacement name for *C. tokyoensis*. Provisional synonymy by SONOBE, 1982, Trans. Nagasaki biol. Soc., (24): 13.]

Remarks. Three syntypes (two workers and one alate female) were examined. This species is easily distinguished from *caryae* of North America by the incised metanotal groove and the absence of standing hairs on the dorsal alitrunk and petiole.

SONOBE (1982) suggested that *teranishii* is a junior synonym of *keihittoi*. Although the type specimen of *teranishii* had already been lost in the fire of World War II in 1945 (ONOYAMA, 1982), we accepted his suggestion since the syntypes of *keihittoi* agree with the TERANISHI's original description and illustration of *tokyoensis* (= *teranishii*).

Distribution. Japan, Korea.