

- UÉNO, S.-I., 1982. Origin and dispersal of the Trechina in East Asia (Coleoptera: Carabidae). *Ent. gen., Stuttgart*, **8**: 71–77.
- 1988. The distribution and differentiation of trechine beetles in Japan. In SATÔ, M. (ed.), *The Beetles of Japan, with Special Reference to their Origin and Differentiation*, 33–51+3–5. Tokai University Press, Tokyo. (In Japanese.)
- 1989. Discovery of an eyeless trechine beetle (Coleoptera, Trechinae) in Taiwan. *Elytra, Tokyo*, **17**: 135–142.
- WATANABE, Y., 1989. Two Taiwanese staphylinid beetles related to *Quedius abnormalis* (Coleoptera, Staphylinidae). *Elytra, Tokyo*, **17**: 169–174.

Elytra, Tokyo, **18** (1): 29–30, May 15, 1990

A New Subspecies of *Trechiana exilis* (Coleoptera, Trechinae)¹⁾

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Trechiana exilis S. UÉNO (1983, p. 70, figs. 1–3; 1985, p. 73, pl. 14, fig. 3) is an isolated species tentatively placed in the group of *T. ohshimai*. It is upper hypogean, so far known only from a small hill in Takamatsu City at the northeastern corner of the Island of Shikoku. To the west of this hill beyond the Gôtô-gawa River, there is a larger hill whose northern part is called Goshiki-dai. It is at the western side of this hill that a new discovery was made by Mr. Masaaki SATOU.

The trechine beetle from this new locality seems also to belong to *T. exilis*, but is evidently different from the Takamatsu specimens in the shape of the prothorax. In this short article, I am going to describe it as a new geographical race of the species. I am much indebted to Mr. Masaaki SATOU for his kindness in submitting his collection to me for taxonomic study.

Trechiana (s. str.) *exilis cordatus* S. UÉNO, subsp. nov.

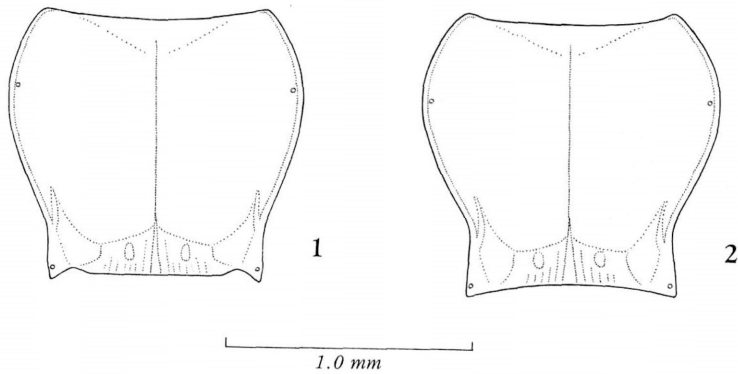
[Japanese name: Goshiki-mekura-chibigomimushi]

(Fig. 2)

Length: 4.70–5.00 mm (from apical margin of clypeus to apices of elytra).

Distinguished from the nominotypical subspecies mainly by differently shaped prothorax

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Figs. 1-2. Pronota in two subspecies of *Trechiana* (s. str.) *exilis* S. UÉNO. — 1, *T. e. exilis* S. UÉNO, ♂, from Suribachi-dani on Iwaseo-yama; 2, *T. e. cordatus* S. UÉNO, subsp. nov., ♂, from Shiraminé-zan.

and longer apical lobe of aedeagus. Head as in the nominotypical subspecies. Pronotum somewhat larger and more regularly cordate than in the nominotypical subspecies, with the sides more strongly arcuate in front, more deeply sinuate at about two-ninths from base, and then either subparallel or slightly divergent towards hind angles, which are obviously less sharp than in the nominotypical subspecies due mainly to absence of distinct lateral emarginations of basal border; front angles slightly advanced; base almost straight or slightly oblique at the sides, not distinctly emarginate inside hind angles; PW/HW 1.33–1.37 (M 1.35), PW/PL 1.10–1.17 (M 1.14), PW/PA 1.41–1.47 (M 1.45), PW/PB 1.38–1.46 (M 1.43), PB/PA 0.99–1.07 (M 1.02). Elytra as in the nominotypical subspecies, but the prehumeral borders are slightly more oblique and the basal portion of stria 5 is less deeply impressed; EW/PW 1.50–1.58 (M 1.56), EL/EW 1.62–1.66 (M 1.64). Aedeagus more distinctly curved ventrad at the basal part, and with longer apical lobe which is narrower and slightly arcuate ventrad in lateral view.

Type series. Holotype: ♂, 5-V-1987, M. SATOU leg. Allotype: ♀, 17-V-1987, M. SATOU leg. Paratypes: 1 ♂, 5-V-1987, M. SATOU leg.; 1 ♂, 17-V-1987, M. SATOU leg. All deposited in the collection of the Department of Zoology, National Science Museum (Nat. Hist.), Tokyo.

Type locality. Shiraminé-zan, 70 m in altitude at the northeastern foot, in Ohmi-chô of Sakaidé-shi, Kagawa Prefecture, in northeastern Shikoku, Southwest Japan.

Notes. The type locality is situated near the southwestern edge of Goshiki-dai about 8.6 km west by north of Suribachi-dani on Iwaseo-yama, the only known locality of the nominotypical subspecies. The type specimens were dug out from a scree at the side of a gully, which flows northwest into the Ohmi-gawa River.

References

- UÉNO, S.-I., 1983. The anophthalmic trechine beetles from Takamatsu, Southwest Japan. *Bull. natn. Sci. Mus., Tokyo*, (A), 9: 69–77.
- 1985. Carabidae (Nebriinae, Elaphrinae, Loricarinae, Scaritinae, Broscinae, Trechinae). In UÉNO, S.-I., Y. KUROSAWA & M. SATÔ (eds.), *The Coleoptera of Japan in Color*, 2: 54–88. Hoiku-sha, Osaka. (In Japanese.)