

Descriptions of two new forms of Coccinellidae from Japan

(Insecta Coleoptera)

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Verania kiotoensis sp. nov.

♂. Head pale yellowish testaceous, often somewhat infuscate in middle. Pronotum black, with side and front margins rather broadly yellow, and frontal edge and narrow reflexed side margins transparent; the yellow colour of anterior portion with a narrow cuneiform projection at middle behind, and that of lateral terminated just before hind angles. Scutellum black. Elytra orange testaceous, with basal and outer edges, a common sutural stripe and a broad longitudinal stripe in middle of each elytron black. Under side black, with propleura, mesepimera and elytral epipleura yellow or testaceous, median part of prosternum suffused with yellow in front, and apical portion of abdomen often more or less reddish. Legs testaceous, with tibiae blackish at least along outer margins, meso- and metafemora black except both extremities, trochanters reddish brown or blackish. Terminal joint of antennae and palpi frequently somewhat brownish.

Nearly circular or very broadly ovate in outline, strongly convex and shining above. Head small, with hind portion retracted under pronotum, surface flattened and slightly impressed on each side, weakly microreticulate, shallowly and rather finely punctured, and very sparsely hairy. Labrum transversely convex and hairy. Pronotum strongly narrowed forwards, with sides gently rounded, hind angles broadly rounded and front ones triangularly produced but rounded at tip, front margin slightly bisinuate, and basal one gently arcuate-produced backwards; surface very smooth, rather sparsely and finely punctured, and the punctures a little more conspicuous on the basal portion. Scutellum very small, triangular and smooth. Elytra also smooth, strongly convex, a little more coarsely and sparsely punctured than pronotum. Underside hairy, but much sparsely so in middle; prosternum finely transversely rugose and vaguely and sparsely punctured, with a pair of fine carinae on the process; metasternum sparsely and rather finely punctured, with a weak median sulcus; metepisterna moderately closely punctured; abdomen rather sparsely punctured, and the punctures at sides much coarser and more irregular than those in middle.

♀. Externally alike the male, but differs from the latter in the following points: Head black with sides broadly yellow; labrum black; pronotum more narrowly margined with yellow in front and the median projection of front yellow zone less extended posteriorly; profemora black and trochanters more blackish than in the male; anal segment (sternite) longitudinally tuberculate at middle and depressed on each side of the tubercle.

Body length: 3.0—3.7 mm.

Holo—(♂), allo—(♀) and 1 paratype (♂): Daihizan, Kyoto, Honshu, Japan, 29. V. 1960, T. Nakane leg.; 13 paratypes from Kyoto (Serio, Katsura).

This new species may be easily separated from *V. discolor* (Fabricius) by the following key:

1. Pronotum yellow with black patches at base. Elytra without any other longitudinal stripes than the sutural. Abdomen black, with sides testaceous.....*discolor* (Fabricius)
2. Pronotum black with front and side margins yellow. Elytra each with a broad longitudinal stripe in middle besides the sutural. Abdomen black, with anal portion partly reddish.....*kiotoensis* sp. nov.

Afissa chinensis tsushima subsp. nov.

Closely allied to the nominate form from China, but differs from the latter in the following features :

1. Abdomen usually with first 3 sternites and median portions of 4th and 5th dark brown.

2. Fifth spot of elytra situated nearer to lateral margin than to suture, transverse and variable in size.

3. Male genitalia : tegmen widely opened longitudinally beneath along median line ; siphon much less curved near base and near apex than in the nominate and slightly wavy in middle.

4. Female genitalia : genital plate with the widest part situated behind middle.

Body length : 4.5—5.5 mm.

Holotype : ♂ Uchiyama, Tsushima, 29. VII. 1959, Y. Ichō leg. Allotype : ♀ Masuda, Tsushima, 24. VIII. 1955, Y. Tarui leg. 7 paratypes from Tsushima (Mt. Ariake, Izuhara, Uchiyama, Himi and Masuda).

Explanation of Figures

1—6. *Verania kiotoensis* Nakane et M. Araki sp. nov.

1. Colour pattern of dorsal side ; 2. spermatheca ; 3. genital plate of female ;

4. male genitalia in ventral view ; 5. ditto in lateral view ; 6. siphon.

7—11. *Afissa chinensis tsushima* Nakane et M. Araki subsp. nov.

7. Colour pattern of dorsal side ; 8. genital plate of female ; 9. male genitalia in lateral view ; 10. ditto in ventral view ; 11. siphon.

摘 要

本報は我々の邦産瓢虫科の分類学的研究の第3報であって、次の1新種及び1新亜種を記載した。

Verania kiotoensis sp. nov. クロスジチャイロテントウ (新称)

Afissa chinensis tsushima subsp. nov. ツシママダラテントウ (新称)

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