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Fulvius constanti n. sp. from Papua New Guinea
(Heteroptera: Miridae: Cylapinae)

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ABSTRACT. A new species of the genus *Fulvius* STÅL is described on the basis of specimens collected in Papua New Guinea. Pictures of male genitalia are given.

Key words: entomology, taxonomy, new species, Heteroptera, Miridae, Cylapinae, Fulviini, Papua New Guinea.

INTRODUCTION

Our knowledge about the representatives of the subfamily Cylapinae in the Australian Region is very poor and only single genera and species have been reported (SCHUH 1995; GORCZYCA 1997, 2001, 2002.). These bugs are relatively well known in the Papua New Guinea mainly thanks to the paper of CARVALHO & LORENZATO (1978). Nevertheless a lot of species from this region are still unknown to science.

Among the material from Papua New Guinea, which I have received from the Institut Royal des Sciences Naturelles de Belgique, I have found seven specimens representing a new species of the genus *Fulvius*. The description of this species is given below.

ACKNOWLEDGEMENT

I would like to express my sincere thanks to J rome CONSTANT (Institut Royal des Sciences Naturelles de Belgique) who selected among the heteropteran material the representatives of the subfamily Cylapinae and kindly loaned them.

Fulvius constanti n. sp.

ETYMOLOGY

This species is dedicated to Jérôme CONSTANT with warm thanks for his help.

DIAGNOSIS

This species is slightly similar to *Fulvius bimaculatus* POPPIUS but can be easily distinguished by almost unicoloured hemelytra and the shape of the left paramere (Figs 1-3). The structure of tarsi and parameres may indicate that the new species belongs to the *bifenestratus*-group (GORCZYCA 2002; SADOWSKA-WODA & GORCZYCA 2003).

DESCRIPTION

Relatively large insect, body elongated, dark, covered with dense setae. Length of the body 4.80–5.0 mm (male), 5.0–5.20 (female), width 1.47–1.50 mm. Head relatively small, dark brown, covered with fine setae. Length of the head 0.67–0.70 mm, width 0.60 mm, diameter of eye 0.12 mm. Eyes contiguous with the pronotal collar. Antennae inserted on distinct tubercles contiguous with margin of eye. First antennal segment brown, relatively thick, second segment brown in the basal third, then pale, covered with short, dense, pale setae. Third segment unicoloured, brown, fourth dark, pale in the apical third, covered with dense, pale setae, thicker at apex than at base. Length of the antennal segments in mm: 0.67: 1.37: 0.87: 1.12. Rostrum brown, long, reaching pygophor. Length of the rostral segments in mm: 0.62: 0.81: 1.25: 0.60.

Pronotal collar very thin, dark, pronotum very dark, with a long, thin, longitudinal sulcus in the middle. Length of pronotum 0.67 mm, length of the anterior margin 0.50 mm, lateral margins 0.75 mm, posterior margin 1.20 mm. Mesoscutum pale brown, paler than scutellum.

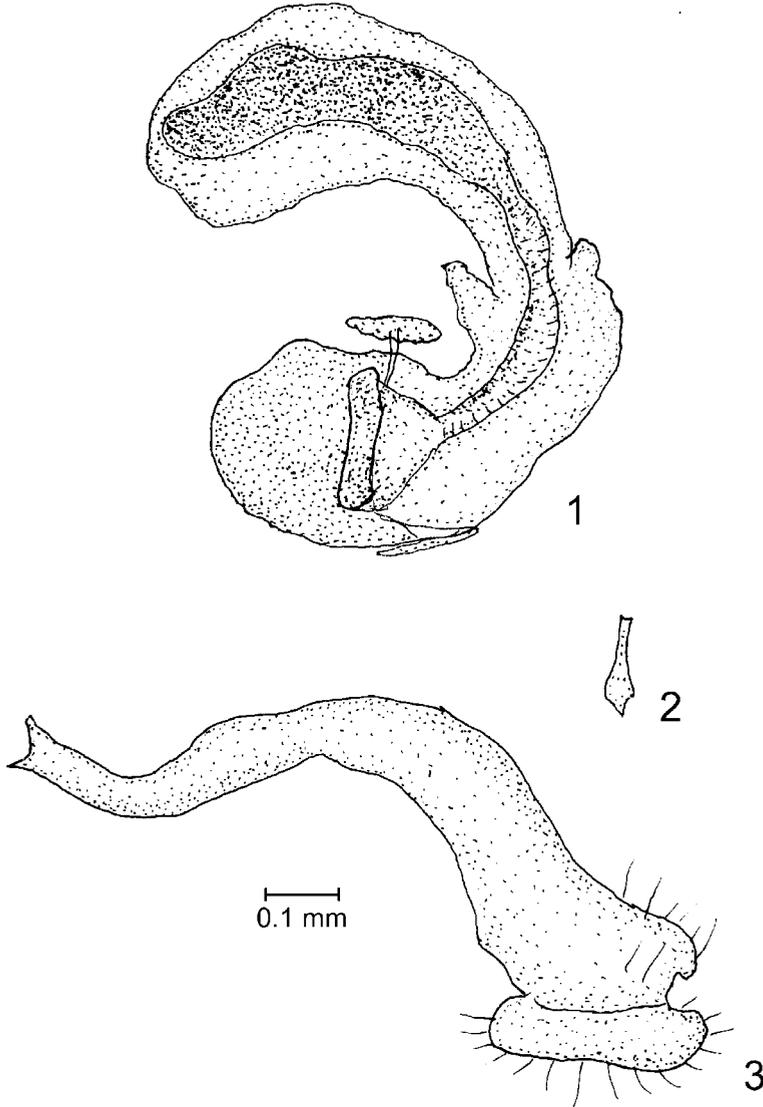
Hemelytra brown, covered with dense, short setae, with a pale line contiguous with claval suture. In some specimens, only apex and base of claval suture pale. Apex of clavus pale, there is also a pale patch, tinged with orange, above the cuneus. Cuneus thin, long, brown, membrane brown, with distinct, brown venations. Major cell triangular.

Underside of the body dark brown, ostiolar peritreme very small. Legs brown, femora dark brown, paler and tinged with orange at apex. Tibiae and tarsi pale brown. Mesofemora bearing five, and metafemora six trichobothria. Tarsi two-segmented, second segment very long, divided, claws without subapical tooth. Left paramere very large, curved, covered with setae, aedeagus relatively small, right paramere significantly reduced (Figs 1-3).

TYPE MATERIAL

Holotype (male): Coll. I. R. Sc. N. B., Canopy Mission Papua New Guinea (Madang prov.): Batiteta, 08. VI. 1993, Light trap M1. Leg. Olivier Missa.

Paratypes (male and female): same data as holotype; paratype (female): Coll. I. R. Sc. N. B., Canopy Mission Papua New Guinea (Madang prov.) : Batiteta, 03. VI. 1996, Light trap M7. Leg. Olivier Missa; paratype (male): Coll. I. R. Sc. N. B., Canopy Mission Papua New Guinea (Madang prov.) : Batiteta, 13. IV. 1996, Light trap AR16. Leg. Olivier Missa.; paratype (male): Coll. I. R. Sc. N. B., Canopy Mission Papua New Guinea (Madang prov.) : Batiteta, 19. VI. 1996, Light trap AR22. Leg. Olivier Missa; paratype (male): Canopy Mission Papua New



1-3. *Fulvius constanti* n. sp., paratype: 1 – aedeagus, 2 – right paramere, 3 – left paramere

Guinea (Madang prov.) : Batiteta, 02. VII. 1996, Light trap AR60. Leg. Olivier Missa, Coll. I. R. Sc. N. B. Holotype and four paratypes housed in the collection of the Institut Royal des Sciences Naturelles de Belgique. Two paratypes in the collection of the Department of Zoology, University of Silesia, Katowice, Poland.

REFERENCES

- CARVALHO, J. C. M., Lorenzato, L. M., 1978. The Cylapinae of Papua New Guinea. *Rev. Brasil. Biol.*, **38**: 121-149.
- GORCZYCA, J., 1997. A new species of the genus *Peritropis* UHLER, 1891 from Australia (Heteroptera: Miridae: Cylapinae). *Genus*, **8**: 555-558.
- , 2001. *Rhinomiriella tuberculata* n. gen. n. sp., the first report of Rhinomirini from Australia (Heteroptera: Miridae: Cylapinae). *Genus*, **12**: 415-419.
- , 2002. Notes on the genus *Fulvius* STÅL from the Oriental Region and New Guinea (Heteroptera, Miridae, Cylapinae). *Genus*, **13**: 9-23.
- SADOWSKA-WODA, I., GORCZYCA, J., 2003. A new species of Cylapinae from the Oriental Region (Heteroptera: Miridae). *Genus*, **14**: 335-343.
- SCHUH, R. T., 1995. Plant bugs of the World (Insecta: Heteroptera: Miridae). New York Entom. Soc., 1329 pp.