

A NEW SPECIES OF *SPANIOCELYPHUS* HENDEL FROM INDIA (DIPTERA : CELYPHIDAE)

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ABSTRACT

A new species of *Spaniocelyphus* Hendel, *Spaniocelyphus tenorioi*, is described from India and a key to Indian species of the genus is given.

INTRODUCTION

Celyphidae is a small family of beetle-like acalyptrate flies, characterised by the enlarged scutellum covering wings and abdomen. Though 67 species are recorded by Tenorio (1972) in his revisional study of Oriental Celyphidae, so far only 5 species are known from India. With its vastness and varied climatic conditions, it is natural to expect many more interesting species of these flies from India. The Zoological Survey of India, Calcutta, possesses a new species of *Spaniocelyphus* Hendel, which is described below.

Genus *Spaniocelyphus* Hendel

Spaniocelyphus Hendel, 1914, *Supplta. ent.* 1 : 92.

Type species : *Celyphus scutatus* Wiedemann (Original designation)

Key to the Indian species of *Spaniocelyphus* Hendel based upon male genitalia.

- 1. Gonopods bifurcate at apex in ventral view ... 2
Gonopods not bifurcate at apex ... 3
2. Surstyli curved at apex in ventral view ; gonopod in lateral view with a bump at dorsoapical region scutatus (Wiedemann)
Surstyli almost straight at apex in ventral view ; gonopod plane at dorsoapical region janthinus Vauschuythroeck.
3. Gonites hooked at apex in lateral view .. 4
Gonites straight in lateral view, a long

- curved slender extension projects from mid-dorsal surface .. prostatus Tenorio.
4. Gonites hooked with a concavity at apico-dorsal two-thirds .. cognatus (Karschl)
Gonites without such concavity .. 5.
5. Surstyli almost triangular at apex in ventral view fuscipes (Macquart)
Surstyli bulbous at apex in ventral view .. tenorioi n. sp.

Spaniocelyphus tenorioi sp. nov. (Figs. 1.A, B)

♂ ♀ Head testaceous, eyes shining brown, face light brown, bucca dark, vertex more than one and half as broad as long. Antenna with the basal segment short, middle longer and the apical longest ; flat portion of arista conical, the rest missing.

Thorax smooth shining black, humeri dark brown ; scutellum smooth, basal half shining black, rest blackish-brown. Legs dark brown, tibia brown, tarsus pale brown. Venation typical as in the genus.

Abdomen dark brown. Male genitalia (Fig. 1A) with the surstyli reaching to the tip of gonites, slightly bent inward at about the middle and knob-like at apices ; lateral margin of gonites entire, dorsoapically pointed. Female genitalia (Fig. 1 B) with the genital sternite as in figure.

The present species superficially resembles to *Spaniocelyphus fuscipes* (Macquart), *S. cognatus* (Karsch), *S. palmi palmi* Frey and

scutellum length 2.4-2.6 mm ; height 1 mm ; width 2 mm.

Holotype ♂ (antennae damaged), Reg. No. 5148/H6, Assam : Garo Hills, 1067 m, viii. 1917, Coll. S. Kemp.

Paratype ♀ (antennae damaged) Reg. No. 5149/H6, 1067-1189 m, 15. vii—30. viii. 1917, rest of data as in holotype.

This species is named after Mr. J. M. Tenorio, who has recently revised the Oriental Celyphidae.

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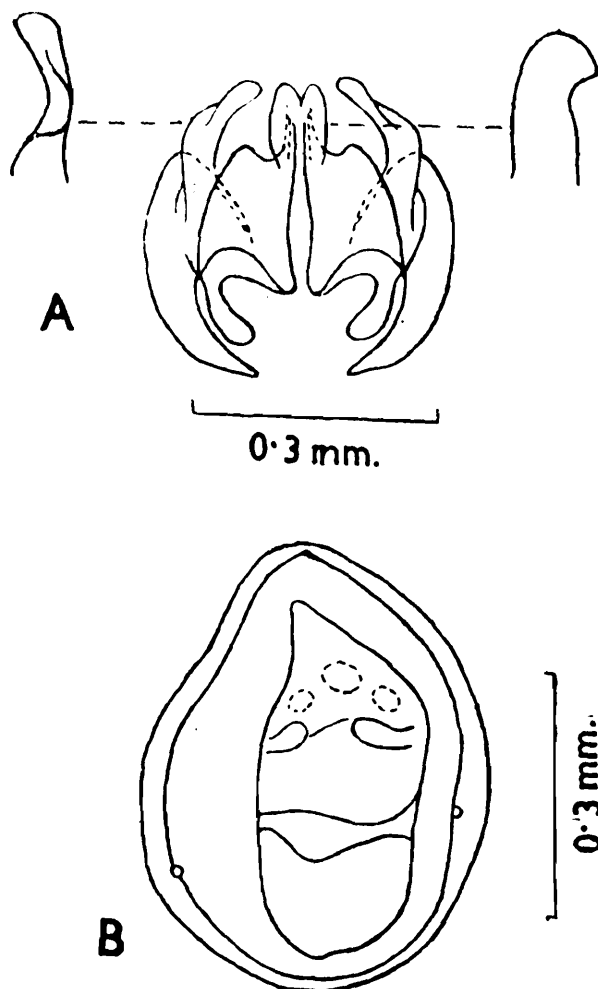


Fig. 1 *Spaniocelyphus tenorioi* n. sp. : A, ♂ genitalia ventral view ; B, ♀ genital sternite (diagrammatic).

S. scutatus (Wiedemann) ; it also resembles to *S. trigonalis* de Meijere in the knobbed surstyli. Of these, *S. tenorioi* n. sp. is most similar to *S. fuscipes* (Macquart from which it can be readily distinguished by the apically knobbed surstyli and genital sternite.

Length : head 0.8 mm ; body 3.2-3.4 mm ;