

A NEW SPECIES OF *TRIGONOMIMA* ENDERLEIN (DIPTERA : ASILIDAE)  
FROM INDIA

A. N. T. JOSEPH AND P. PARUI  
*Zoological Survey of India, Calcutta*

ABSTRACT

A new species of *Trigonomima* Enderlein, *Trigonomima fuscopoda*, is described from N. E. India and a key to Indian species of the genus is given.

INTRODUCTION

*Trigonomima* Enderlein was recorded for the first time from India by us (1980). Since then we have got another new species, which is described below.

Genus *Trigonomima* Enderlein

*Trigonomima* Enderlein, 1914, *Wien. ent. Ztg.*, 33 : 164.  
Type-species *Trigonomima apipes* Enderlein by original designation.

Key to the Indian species of *Trigonomima* Enderlein

- Legs black and yellow with yellow hairs, aedeagus distinctly trifold ... *anamaliensis*  
Joseph and Parui
- Legs uniformly dark brown with mixed concolorous and pale hairs, aedeagus not trifold ... *fuscopoda* sp. nov.

*Trigonomima fuscopoda* sp. nov.

A medium sized black species with black legs and wings. Male : length 7 mm, wing 7 mm ; female : length 7 mm, wing 7 mm.

*Male* : *Head* broader than thorax. Head black, nearly devoid of tomentum, mystax

golden yellow ; bristles of ocellarium black, upper occiput bare, postocular occiput bearing sparse pale hairs. Antenna black, segments 1 and 2 with dark brown or brown bristles, segment 1 shorter than the following segment, 3 about twice the combined length of segments 1 and 2, terminal segment bearing double bristle like the other members of the genus. Palpi and proboscis black, the former with yellow or pale yellow hairs.

*Thorax* black with grey tomentum ; pronotal hairs sparse, pale and restricted to the sides ; mesonotum with the humeri bright orange marked and posterolateral sides yellowish-brown, covering hairs brown and dense posteriorly ; scutellum with a transverse row of three median bristles on the disc ; mesopleuron and sternopleuron pale haired, metanotal callosity with dark brown bristles. Halteres yellowish-brown.

*Legs* dark brown with concolorous and pale hairs, pale hairs more or less confined to the ventral side, hairs dense on femur and tibia, some of which on the hind tibia elongate.

*Wings* black, but lighter distally, venation typical of the genus with four posterior cells.

*Abdomen* dark brown and black with indistinct grey tomentum, pale hairs present on the sides which become lesser and shorter on posterior tergites. Male terminalia (Fig. 1) lighter than the abdomen.

*Female* : Similar but with the following differences : in some examples grey tomentum of mesonotum more distinct, humeri without

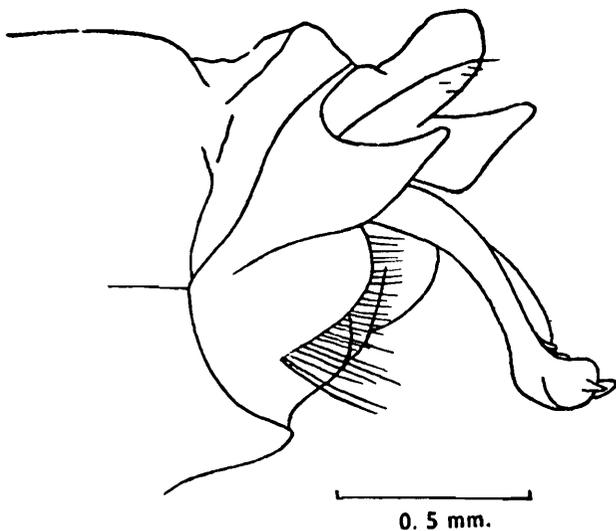


Fig. 1. *Trigonomima fuscopoda* sp. nov., lateral view of male terminalia.

dark orange marking, but in one or two paratypes with dark brown marking, postero-lateral marking not so distinct; scutellar bristles three or four.

The only other known Indian species of the genus *Trigonomima* is *T. anamaliensis*

Joseph and Parui, from which *T. fuscopoda* sp. nov. differs in the uniformly coloured legs and details of male terminalia.

*Holotype* : ♂, ZSI Reg. No. 6564/H6, N. E. India : Arunachal Pradesh : Kameng : Tipi, 213 m, 6. v. 1966, coll. A. N.T. Joseph.

*Paratypes* : 3 ♀ ♀, Reg. Nos. 6565/H6-6567/H6, 3. v. 1966, rest of data as in holotype. 2 ♀ ♀, Reg. Nos. 6568/H6 and 6569/H6, N. E. India : Arunachal Pradesh : Subansiri : Kimin, 198 m, 11. v. 1966, coll. A. N. T. Joseph.

#### ACKNOWLEDGEMENTS

We are grateful to Dr. B. K. Tikader, Director and Dr. S. K. Bhattacharya, Deputy Director, Zoological Survey of India, Calcutta, for encouragements and for placing the material at our disposal.

#### REFERENCES

- ENDERLEIN, G. 1914. Zur Kenntnis der Asiliden Subfamilien Dasypogoninae und Archilaphriinae. *Wien. ent. Ztg.*, **33** : 151-174.
- JOSEPH, A. N. T. AND PARUI, P. 1980. First record of *Trigonomima* Enderlein (Diptera : Asilidae) from India with description of a new species. *Bull. zool. Surv. India*, **2** (2 & 3) : 197-199.