

FIRST RECORD OF *TRIGONOMIMA* ENDERLEIN (DIPTERA : ASILIDAE)
FROM INDIA WITH DESCRIPTION OF A NEW SPECIES

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ABSTRACT

Trigonomma Enderlein is reported here for the first time from India. *T. anamaliensis* sp. nov. is described from South India and its affinities are discussed.

INTRODUCTION

Trigonomma Enderlein is a small Oriental genus represented by four species ; it is for the first time this genus is recorded from the Indian sub-continent.

Genus *Trigonomma* Enderlein

Trigonomma Enderlein 1914 *Wien Ent. Z.* 33, : 164.

Type-species *Trigonomma apipes* Enderlein by original designation.

Small flies closely related to *Damalina* Dole-schall from which it can be distinguished by the four posterior cells of wings together with the strongly humped mesonotum.

Types are deposited in the California University, California.

Trigonomma anamaliensis sp. nov.

(Fig. 1A & B)

A medium sized black and grey species with black and yellow legs and infuscated large wings. Male : length 6.0-6.5 mm, wing 6.5-7.0 mm ; female : 5.5-6.0 m, wing 6.5-7.0 mm.

♂ : Head broader than thorax. Head black with greyish-yellow tomentum, mystax sparse, yellow coloured ; bristles of ocellarium yellow and black, occiput mixed grey and yellow tomentose with concolourous bristles. Antenna black, segments 1 and 2 with black bristles, segment 1 short, subequal to the following globular segment, combined 1 and 2 segments about one-third of segment 3, the terminal segment bearing double bristle like the other members of the genus. Palpi and proboscis black with yellow hairs.

Thorax black with greyish-yellow tomentum ; pronotum black anteriorly and greyish-yellow posteriorly, hairs sparse, pale and restricted to the sides ; mesonotum with the extension of greyish-yellow and black colouration variable, in some cases almost wholly greyish-yellow with a spot on each side posterior to the middle while in extreme cases with three mediolongitudinal black bands extending from the anterior border to a little beyond the middle, the median band in its turn divided by a median grey line, bristles of mesonotum yellow but a few in the middle black ; pleura yellow haired ; scutellum with a few yellow bristly hairs on

the disc; mesopleuron, sternopleuron and metanotal callosity with yellow hairs. Halteres pale yellow.

Legs black and yellow with yellow hairs, coxa, trochanter and femur black, tibia and tarsus yellow, but the apical tarsal segment or segments brown to dark brown; legs conspicuously hairy on the dorsal and ventral sides of femora and hind tibia, hairs longer and denser on hind femur and hind tibia.

border to the entire dorsum, fringe of yellow hairs present on sides which become gradually shorter in length on posterior tergites. Male genitalia (Fig. 1A) yellow.

♀: Exactly similar to the male; female terminalia figured (Fig. 1B).

Trigonomima Enderlein is represented by four species, viz. *T. apipes* Enderlein from Sumatra, *T. canifrons* Enderlein from Sumatra,

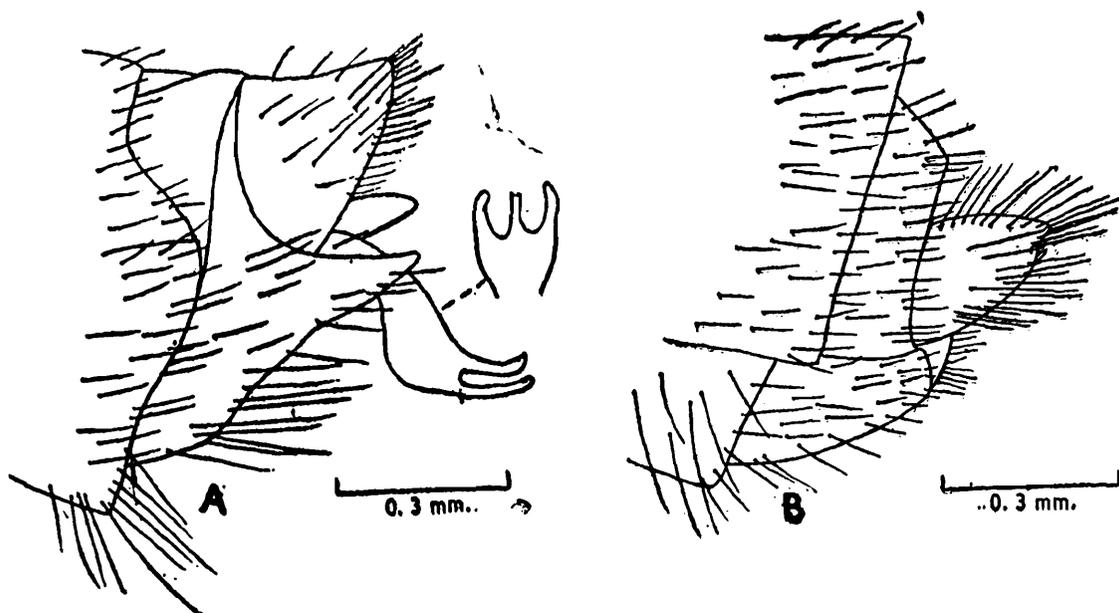


Fig. 1. *Trigonomima anamaliensis* sp. nov. A—♂ terminalia lateral view; B—♀ terminalia, lateral view.

Wings black basally and light brownish distally; venation typical of the genus with only four posterior cells. Some of the flies have supernumerary veins: in one paratype a cross-vein is present at the base of the 2nd submarginal cell in one of the wings; in one paratype one and in another two cross-veins are present between R and discal cell in one of their wings; and in one paratype a vein is present in the 3rd posterior cell towards its apex in one of the wings.

Abdomen black with yellow tomentum, the area of tomentum varying from a narrow hind

T. cyanella Osten Sacken from Philippines and *T. pennipes* (Hermann) from Formosa. Of these *T. anamaliensis* sp. nov. is most similar to *T. pennipes* (Hermann) from which it differs in the colouration of tibia and in the differences in the shape of male terminalia. Dr. Hull (1962) has figured (Figs. 1875, 1958) the terminalia of *T. pennipes* (Hermann).

Holotype: ♂, S. India: Tamil Nadu: Anamali Hills: Kadampara, 1067 m, iv.1963, Coll. P. S. Nathan.

Paratypes: 32♂♂ and 37♀♀, rest of data as in holotype.

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