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Descriptions of two new species of Trichogrammatidae
(Hymenoptera: Chalcidoidea) from India.

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The genus *Aphelinoidea* GIRAULT is reported for the first time from India. Two new species: *Aphelinoidea gwaliorensis* and *Brachygrammatella singularis* are described and illustrated. Types have been deposited in Zoological Museum, Aligarh Muslim University, Aligarh, India.

Aphelinoidea GIRAULT, 1911

Aphelinoidea GIRAULT, 1911, *Trans. Amer. ent. Soc.* 37: 2.

Type-species: *Aphelinoidea semifuscipennis* GIRAULT, by monotypy.

Comments: DOUTT & VIGGIANI (1968) synonymised the genera: *Lathromeroides* GIRAULT, *Diaclava* BLOOD & KRYGER, *Krygeriola* NOVICKI, *Thalesanna* GIRAULT, *Lengerkeniola* NOWICKI, *Encyrtogramma* DE SANTIS and *Tanygramma* DE SANTIS with *Aphelinoidea* GIRAULT. The genus *Aphelinoidea* GIRAULT is characterized for having antennae without funicle, 2 to 3-segmented club, densely setose fore wings and rudimentary stigmal vein. Additional generic characters are proposed which are as follows: Pronotum (fig. C) with membranous area medially, subgenital plate (fig. D) V-shaped; female genitalia with second valvifer (fig. F) and outer plate (fig. G) elongated.

The genus *Aphelinoidea* is reported for the first time from India. In the present study one new species, *A. gwaliorensis* is proposed. It is closely related to *A. xiphias* (DE SANTIS), from which it can be separated by its having antennae with pedicel slightly less than $2 \times$ as long as wide, and 3-segmented club.

Aphelinoidea gwaliorensis sp. nov.
(Figs. A–G)

Female

Head yellowish, slightly longer than wide in facial view; ocelli arranged in obtuse triangle; eyes dark; malar space shorter than eye width. Antennae (fig. A) yellowish brown; scape cylindrical, slightly more than $3 \times$ as long as wide; pedicel slightly less than $2 \times$ as wide; single ring segment present; funicle absent; club 3-segmented, slightly less than $3 \times$ as long as wide, apical segment longest.

Thorax yellowish brown. Fore wings (fig. B) hyaline except area beneath venation infuscated; $2.5 \times$ as long as wide, outer margin broadly rounded; disc densely setose except infuscated area which is bare; costal cell narrow; venation short; submarginal vein slightly longer than marginal vein; postmarginal vein absent; stigmal vein rudimentary; marginal fringe short, about one-fifth the wing width. Legs yellowish.

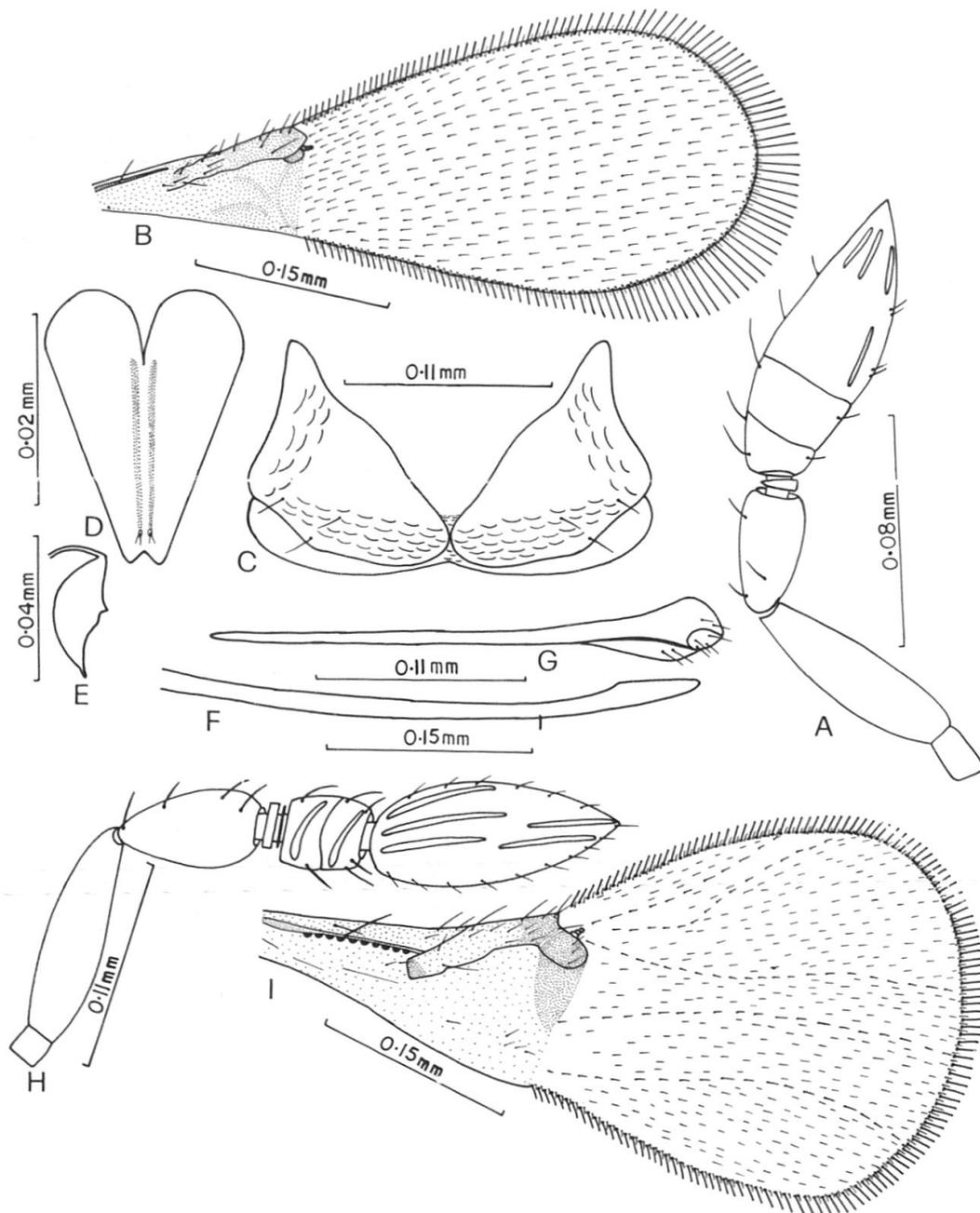


Fig. A-I. A-G, *Aphelinoidea gwaliorensis* sp. n., ♀: A, antenna; B, fore wing; C, pronotum; D, subgenital plate; E, first valvifer; F, part of second valvifer; G, outer plate. H-I, *Brachygrammatella singularis* sp. n., ♀: H, antenna; I, fore wing.

Abdomen brown, slightly longer than thorax: ovipositor slightly exerted, arising from base of abdominal venter.

Body length: 0.45 mm.

Holotype ♀. INDIA: Madhya Pradesh, Gwalior, 5.XI.1983, collected by sweeping, M. YOUSUF.

Brachygrammatella GIRAULT, 1915

Brachygrammatella GIRAULT, 1915, *Mem. Queensl. Mus.* 3: 147.

Type-species: *Brachygrammatella nebulosa* GIRAULT, by monotypy.

Comments: DOUTT & VIGGIANI (1968) synonymised the genus *Pseudbrachygramma* GIRAULT with *Brachygrammatella* GIRAULT. The genus *Brachygrammatella* GIRAULT is characterized for having fore wings with disc densely setose; marginal vein straight, broad throughout its length, stigmal vein short; antennae with two ring segments, two subequal obliquely divided funicle segments and 1 or 2-segmented club.

The new species *B. singularis* is closely related to *B. perplexa* (GIRAULT) but is distinguished by its having antennal scape 3.5× as long as wide, pedicel slightly less than 2× as long as wide, club 2.5× as long as wide, fore wings with an infuscated patch beneath stigmal vein.

Brachygrammatella singularis sp. nov.

(Figs. H–I)

Female

Head yellowish brown, about as long as wide in facial view; malar space slightly shorter than eye width. Antennae (fig. H) yellow; scape moderately cylindrical, 3.5× as long as wide, pedicel slightly less than 2× as long as wide, longer than ring and funicle segments together; two ring segments present; funicle 2-segmented; club 1-segmented, about 2.5× as long as wide.

Thorax dark brown. Fore wings (fig. I) hyaline with an infuscated patch beneath stigmal vein; slightly less than 2× as long as wide, outer margin broadly rounded; disc densely setose; costal cell broad; submarginal vein as long as premarginal and marginal veins together; premarginal vein slightly shorter than marginal vein; stigmal vein well developed; post marginal vein absent; marginal fringe short.

Abdomen brown, longer than thorax; ovipositor hidden, arising from basal one-third of abdominal venter.

Body length: 0.89 mm.

Holotype ♀. India: Uttar Pradesh, Aligarh, 26.III.1985, MOHD. AKBAR.

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