

## A NEW SPECIES OF *CLEONYMUS* LATREILLE (HYMENOPTERA : PTEROMALIDAE) FROM MALAYSIA

T.C. NARENDRAN AND T.V. MINI

DEPARTMENT OF ZOOLOGY, UNIVERSITY OF CALICUT, CALICUT-673635, INDIA.

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A new species of *Cleonymus* Latreille viz. *Cleonymus malaicus* sp. nov. from Malaysia is described and comparison with related species is made.

### INTRODUCTION

While studying the arthropod community associated with bamboo in west Malaysia, Dr. Damir Kovac of Forschungsinstitut, Senckenberg, Frankfurt, Germany, found out several interesting species which included some remarkable new species of Chalcidoidea (Narendran & Kovac, 1995; Narendran *et al.*, 1995). Among these, an interesting new species of the genus *Cleonymus* is studied by the present authors and described below. It does not fit to the descriptions of any of the described species of *Cleonymus* by Walker (1837), Girault (1913, 1915, 1922, 1925, 1926 & 1927), Dodd (1924), Graham (1969), Boucek (1972 & 1988), Kamiyo (1983 & 1996) and Zhongqi (1996).

*Cleonymus malaicus* sp. nov. (Figs. 1-3)

*Holotype female* : Length 4.5 mm.

*Colouration* : Dark bluish green with coppery or bronzy reflections on head and thorax; gaster brownish green with slightly greenish smooth hind bands on T3 to T5. Scape, pedicel and F1 brown with rest of the flagellar segments yellowish brown. Legs brownish yellow except fore- and hind coxae which are concolorous with the thorax in greater part. Forewing subhyaline with fuscous clouds below parastigma and PMV, which are almost joined in the middle of the wing; hairs on disc just below MV pale, forming a hyaline patch, two other patches present below and beyond apical cloud (Fig. 2).

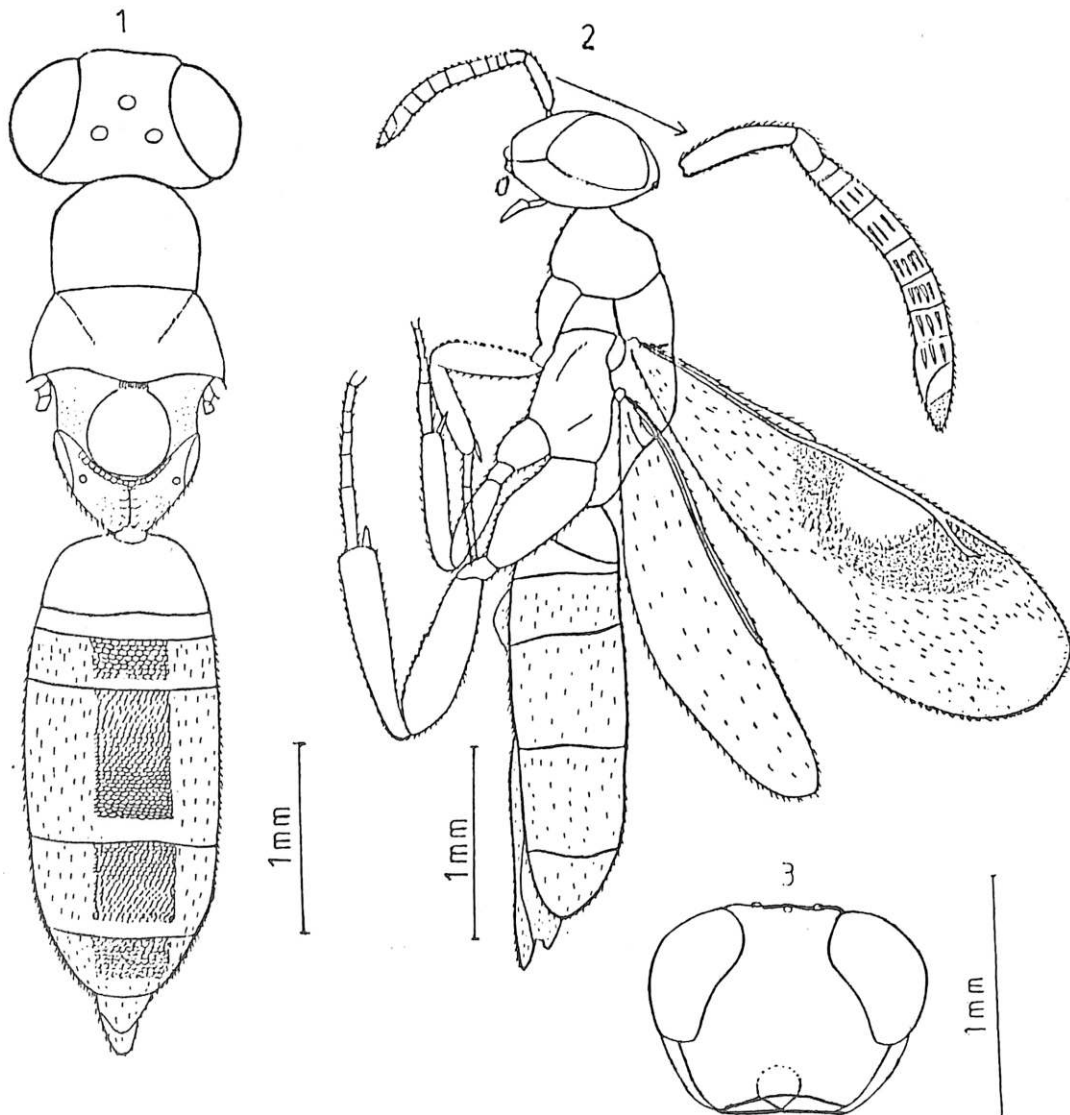
*Head* : Much broader than thorax (48:40) in dorsal view (Fig. 1) 1.8x as broad as long; POL nearly twice as long as OOL, which is 1.3x as long as lateral ocellus. Vertex irregularly and strongly reticulate. Head in front view 1.33x as broad as long. Clypeus broader than long (9:6.5); frons more weakly so, with area just in front of ocelli densely rugulose-reticulate. Malar space 0.35x as long as height of eye. Antennal formula 1173; scrobes shallow. Scape 3x as long as pedicel, pedicel 1.1x as long as following two segments combined. Flagellum with F1 and F2 distinctly transverse; F4 longer than broad, rest of the funicular segments quadrate; projection of eighth segment nearly reaching three quarters of club. Club 2.6x as long as broad, slightly shorter than preceding three segments combined.

*Thorax* : 1.9x as long as broad, pronotum medially 1.2x as broad as long weakly sloping anteriorly, densely and deeply reticulate, covered with hairs as in pronotum. Scutellum 1.1x as long as broad more weakly reticulate than mesoscutum. Dorsellum smooth propodeum medially

0.57x as long as scutellum; median panels weakly but distinctly reticulate, becoming superficial anteriorly; besides depressions present along median carina which is rather weak; spiracular sulci

shallow, broad; upper surface of costal cells anteriorly with a row of hairs, becoming double apically; MV fully 2.8x as long as STV relative lengths of SMV : PMV : STV as 45:31:16:11. hind femur serrated (Fig. 2).

*Gaster* : Length about 1.1x as long as head plus thorax in dorsal view; 1.4x as long as thorax, 2.6 as long as broad. T4 1.2x as broad as long, as long as preceding tergites combined; medially 1.6x as long as T5. T1 and T2 almost smooth and polished; T3-T5 rather uniformly and strongly reticulate with a smooth band posteriorly.



**Figs. 1-3.** *Cleonymus malaicus* sp. nov. Female : 1. Body in dorsal view; 2. Body profile; 3. Head in front view.

*Male* : Unknown

*Host* : Unknown

*Holotype* : Female. West Malaysia, Ulu Gombak, Coll. D. Kovav, ex. Bamboo, 2. Viii. 1994 (Department of Zoology, University of Calicut).

*Remarks* : This species comes close to *Cleonymus longinervus* Kamijo from Japan, in general appearance but differs from it in having:

1. T4 1.6x long as T5 (in *Cleonymus longinervus* T5 2.2x as long as T4),
2. T1 and T2 almost smooth and polished (in *Cleonymus longinervus* only T1 smooth and polished).
3. T1 3.1x as long as T2 (in *Cleonymus longinervus* T1 1.7x as long as T2).

It may be distinguished from *C. balcanicus* Boucek by the weaker sculpture of the frons in front of the ocelli, the relatively shorter OOL which is only 1.3x as long as lateral ocellus (more than 1.5x in *C. balcanicus*) and the long T4. It may also be distinguished from *C. trifasciatipennis* Girault from Australia in having serrated hind femur. In *C. trifasciatipennis* hind femur with only a sub apical tooth on ventral margin.

*Cleonymus malaicus* does not fit to the key to Japanese species of *Cleonymus* by Kamijo (1996) or to the key of European species by Boucek (1972).

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