

**TAXONOMIC ASSESSMENT OF TYPES OF ICHNEUMONIDAE  
IN FOREST RESEARCH INSTITUTE, DEHRA DUN, INDIA**  
(Hymenoptera: Ichneumonidae)

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*Abstract:* Ichneumonid holotypes present in the Forest Research Institute, Dehra Dun, have been re-examined to elucidate their correct taxonomic placements. Three new synonymies and several new combinations are proposed. The new synonymies are: *Xanthopimpla theophilae* Rao=*X. punctator* (L.); *Diaborus indica* Rao=*Trichonotus nox* (Morley); and *Sinophorus wynaadensis* Rao=*Eugnomus wynaadensis* Rao=*Xanthocampoplex wynaadensis* (Rao).

The Indo-Australian species of Ichneumonidae have recently been catalogued and reclassified by Townes, Townes & Gupta (1961). The correct taxonomic status of the species included there was determined by a re-examination of the types located in several museums of the world. The types present in Indian museums, however, could not then be studied and their taxonomic status was either judged from their published descriptions or left as advocated by the author of the species. Attempts have now been made to study the Indian collections and this paper reports on the study of the types in the Forest Research Institute, Dehra Dun.

The collections were studied in June 1962. There are 25 ichneumonid holotypes in that collection, all described by Dr. S. N. Rao in 1953. All of these have been examined and their correct generic placements and synonymies are given below in the same order in which Rao described them in his paper. In many cases the present study confirms the generic placements made in 1961. This fact is indicated by mentioning the page number of 1961 catalogue in parenthesis after the correct name of the species concerned.

1. *Xanthopimpla theophilae* Rao=**Xanthopimpla punctator** (L). **New Synonymy.** Identical in all respects; spots on propodeum and hind femur in Rao's specimens a little variable.
2. *Xanthopimpla taprobanica* Cameron, Rao.—**Xanthopimpla cera** Cameron. This is not a true *taprobanica* Cameron. The spots on abdomen, and notaulae, are like those of *cera* Cameron.
3. *Xanthopimpla pyraustae* Rao.—Superficially resembles *X. cera* Cameron, but is much larger in size. It is probably a distinct species.
4. *Habropimpla sesamiae* Rao=**Xanthopimpla stemmator** (Thunberg) (1961: 69).
5. *Philopsyche hapaliae* Rao=**Acropimpla hapaliae** (Rao) (1961: 16).
6. *Paratanera indica* Rao=**Syzeuctus indicus** (Rao) (1961: 207).
7. *Leptobatopsis grandicolor* Rao=**Leptobatopsis v-maculata** (Cameron) (1961: 209).

8. *Hemigaster eublemmae* Rao=**Brachycyrtus eublemmae** (Rao) (1961: 118). It was described as a parasite of *Eublemma* sp. The host mentioned on the label is *Eublemma silicula*. I have reared this species from cocoons of a *Chrysopa* that was associated with lac at Ranchi, Bihar.
9. *Nearthula pierisae* Rao=**Diadegma pierisae** (Rao) (1961: 238).
10. *Stictolissonota bicolor* Rao.—Appears to be a species of *Phytodietus*. Ovipositor swollen before tip and quite long. It was provisionally placed under *Stictolissonota* in 1961: 206.
11. *Metopius sesamiae* Rao=**Xanthopimpla sesamiae** (Rao) (1961: 67). Similar to *X. impunctata* in coloration. No black spots on body.
12. *Promethus poonaensis* Rao=**Xanthopimpla poonaensis** (Rao) (1961: 62).
13. *Pristomerus panti* Rao.—This is a species of *Pristomerus*. The type is badly preserved. It is probably allied to *P. microdon* Cushman.
14. *Eugnemus wynaadensis* Rao=**Xanthocampoplex wynaadensis** (Rao), n. comb. In 1961 (p. 224) this species was placed under *Devorgilla* with a query. The holotype has pectinate front tarsal claws—a feature not mentioned in the published description. Other tarsal claws broken; ovipositor tip with a dorsal notch.
15. *Pseudochorus kuriani* Rao=**Perilissus cingulator** (Morley) (1961: 214).
16. *Mesochorus panti* Rao=**Stictopisthus panti** (Rao) (1961: 298, placed here with a query).
17. *Mesochorus hapaliae* Rao=**Stictopisthus hapaliae** (Rao) (1961: 297, placed here with a query). One ♂ paratype of this species, however, belongs to *M. panti* Rao.
18. *Mesochorella indica* Rao.—This is probably a species of *Diadegma*. Ovipositor extends very little beyond tip of abdomen; clypeus not strongly convex; tarsal claws simple (only front ones visible). Appears like *Diadegma pierisae* in general shape, but is different in coloration.
19. *Diaborus indica* Rao=**Trichonotus nox** (Morley). **New Synonymy.** Two distinct species are represented in the series described by Rao (1953: 204–207). The holotype and the paratypes belong to *Trichonotus*, while the ♂ allotype belongs to *Aphanistes* and agrees with identified specimens of *A. eupterotes* Cushman present in Forest Res. Inst. collections. In 1961: 311, it was placed under *Aphanistes*. The genus *Trichonotus* is the same as *Labrorychus* of Townes, Townes and Gupta (1961: 316). Perkins (1962: 433) has shown that the type of *Labrorychus* is *Anomalon nigricorne* Wesmael, 1849, and not (*Labrorychus anaitidis* Szepligetii)=*tenuicornis* Gravenhorst, as used by various authors. This alters the common usage of *Labrorychus*. The next available name for this genus is *Trichonotus* (see 1961: 316).
20. *Sinophorus longiterebrae* Rao=**Devorgilla longiterebrae** (Rao) (1961: 223, placed with a query). Tarsal claws pectinate; ovipositor tip with a dorsal notch; propodeum not deep in middle (*cf.* *Sinophorus*).
21. *Sinophorus wynaadensis* Rao=**Xanthocampoplex wynaadensis** (Rao). This is the same as *Eugnemus wynaadensis* Rao (no. 14 in the present paper). **New Synonymy.** The holotypes of both *S. wynaadensis* and *E. wynaadensis* are from Wynaad (Madras). Allotype and 1 ♀ paratype of *S. wynaadensis* bear the same data as the holotype of *E. wynaadensis*.

22. *Mesostenus hapaliae* Rao=**Gotra hapaliae** (Rao) (1961: 179, placed with a query).
23. *Mesostenus wynaadensis* Rao=**Goryphus wynaadensis** (Rao) (1961: 155, placed with a query).
24. *Brachicentrus indica* Rao.—“♂”=♀. This is probably a species of *Barichneumonites*. Areola bound by weak carinae; propodeum with 2 basal teeth touching post-scutellum; mandible narrow and almost parallel-sided in apical 2/3; lower tooth about 1/2 the upper; sternites 2 & 3 folded in middle.
25. *Phaedraspis indica* Rao=**Necolio indicus** (Rao), n. comb.
26. *Pyramidophorus orientalis* Rao=**Cratichneumon? orientalis** (Rao), n. comb. The genus *Pyramidophorus* does not occur in India and is one of the lesser known genera of Europe.

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