

# B O C A G I A N A

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### CHALCIDOIDEA (INSECTA : HYMENOPTERA) COLLECTED IN MADEIRA BY MR. A. VAN HARTEN.

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*SUMARIO.* O autor apresenta uma lista de Hymenoptera Chalcidoidea (Insecta) colhidos na Madeira durante 1981 pelo Senhor A. van Harten. Oito das espécies registadas são novas para a Madeira. Fornecem-se também dados adicionais sobre 31 outras espécies.

In October 1981 Mr. van Harten attended the congress of the Portuguese Entomological Society held in Funchal. He stayed in Madeira for ten days after the congress to collect insects; amongst them some Hymenoptera. The latter included a number of Chalcidoidea which he very kindly donated to me. I sent him a list of identifications which I expected he would publish. However, he did not wish to do so and suggested that I might. This is worthwhile as the list contains several additions to the Madeiran fauna of this group (for previous lists see Graham, 1979, 1981a, 1981b, 1983 ; Askew, 1982) besides records of other species.

The symbol (A) indicates unspecified localities where Mr. van Harten collected between 29.IX.1981 and 14.X.1981. Other localities are referred to by name.

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## 1. SPECIES NEW TO THE MADEIRAN LIST.

## Encyrtidae

*Pauridia peregrina* Timberlake. One ♀ (A). This species has been employed in biological control projects and is becoming widespread.

## Eulophidae

*Colpoclypeus florus* (Walker). One ♀ (A). Parasite mainly of Lepidoptera Tortricidae.

*Necremnus metalarus* (Walker). One ♀, Pico do Arieiro, 9.x.1981; it has the forewing more heavily dark marked than in European specimens, with a second cloud below the parastigma.

*Chrysonotomyia* sp. near *chlorogaster* (Erdős). One ♀, Pico Arieiro, 9.x.1981. The species of this genus parasitise leaf-miners, mainly Lepidoptera.

## Aphelinidae

*Aphelinus mali* (Haldeman). One ♀ (A). Cosmopolitan parasite of aphids.

*Coccophagus* ? *atratus* Compere. One ♂, Paul da Serra, 10.x.1981. It is near if not the same as *atratus*, originally described from Africa.

## Mymaridae

*Dicopus* sp. One ♀, Paul da Serra, 10.x.1981. The antennae are broken but one antenna has 7 funicular segments present, whilst the scapes, which are unusually long, bear three of the setiferous teeth characteristic of this genus. Possibly near *citri* (Mercet).

? *Tumidiclava* sp. One ♀, Pico do Arieiro, 9.x.1981.

## 2. NEW RECORDS OF OTHER SPECIES.

## Eurytomidae

*Tetramesa* sp. near *angustata* (Walker). One ♂ (A).

## Encyrtidae

*Procheiloneurus* ? *javanicus* (Ferrière). One ♀, near Pico do Arieiro, 9.x.1981.

*Anabrolepis* sp. Two ♂♂, Ribeiro Frio, 9.x.1981.

*Parechthrodryinus comara* (Walker). One ♀ (A).

*Ericydnus strigosus* (Nees). One ♀, Pico do Arieiro, 9.x.1981.

*Doliphoceras belibus* (Walker). Two ♀♀, Pico do Arieiro, 9.x.1981 ; one ♀ (A).

### Eupelmidae

*Macroneura vesicularis* (Retz.). Two ♀♀ (A).

### Pteromalidae

*Asaphes suspensus* (Nees). Many ♂♂ and ♀♀ (A).

*Cyrtogaster degener* (Walker). Several ♂♂ and ♀♀, Pico do Arieiro, 9.x.1981 ; one ♀ (A) ; one ♀, Eira do Serrado, 3.x.1981.

*Halticoptera aenea* (Walker). Three ♂♂ three ♀♀, Eira do Serrado, 3.x.1981.

*H. circulus* (Walker). One ♀, Ribeiro Frio, 9.x.1981 ; two ♂♂ (A).

*Ammeia pulchella* Delucchi. Several ♂♂ and ♀♀, Eira do Serrado, 3.x.1981.

*Homoporus fulviventris* (Walker). Two ♀♀ (A).

*Pteromalus (Habrocytus) specularis* Graham. One ♀, Pico do Arieiro, 9.x.1981.

*Mesopolobus tibialis* Westwood. One ♀ (A).

*M. aequus* (Walker). One ♀, Pico do Arieiro, 9.x.1981.

*Trichomalus rufinus* (Walker). Two ♀♀, Pico do Arieiro, 9.x.1981.

*Pachyneuron formosum* Walker. Two ♀♀, Pico do Arieiro, 9.x.1981.

### Tetracampidae

*Epiclerus femoralis* (Walker). Several ♂♂ and ♀♀, Eira do Serrado, 3.x.1981, and Pico do Arieiro, 9.x.1981.

### Eulophidae

*Diglyphus isaea* (Walker). Several ♀♀, Pico do Arieiro, 9.x.1981.

*D. eleanorae* Graham. One ♂, three ♀♀, Pico do Arieiro, 9.x.1981.

*Pnigalio pectinicornis* (L.). One ♀ (A). Widespread in Europe ; in Madeira mainly on higher ground, especially in woods.

*Hemiptarsenus unguicellus* (Zetterstedt). One ♂ (A).

*H. dropion* (Walker). One ♀ (A).

*Pediobius bruchicida* (Rondani). One ♂ (A).

*Tetrastichus arboreae* Graham. Several of both sexes from Ribeiro Frio and Pico do Arieiro, 9.x.1981, also Eira do Serrado, 3.x.1981 ; one ♀, Paul da Serra, 10.x.1981. This species is associated with

the treeheaths, *Erica arborea* and *E. scoparia*. Other species of its group parasitise Psylloidea. Mr. van Harten pointed out to me (*in litt.*) that at least two species of psyllids, *Strophingia arborea* Loginova and *S. fallax* Log., occur on *Erica arborea* in Madeira. One or both of these might be hosts of the *Tetrastichus*.

*T.* sp. One ♂, Eira do Serrado, 3.x.1981. I cannot at present associate this with any female.

### A p h e l i n i d a e

*Aphelinus asychis* Walker. One ♀, Paul da Serra, 10.x.1981.

*A. abdominalis* Dalman. Two ♀♀ (A). Common and widespread in Madeira, chiefly in woods.

*Coccophagus lycimnia* (Walker). One ♀ (A).

### M y m a r i d a e

*Stephanodes similis* Forster. Two ♂♂, one ♀ (A).

### REFERENCES

Askew, R. R. :

1982. New species of Eulophidae (Hymenoptera, Chalcidoidea) from Madeira, with some observations on the fauna. *Bocagiana*, No. 64 : 1-9.

Graham, M. W. R. de V. :

1979. The Chalcidoidea (Hymenoptera) of Madeira : a preliminary list. *Entomologist's Gaz.*, 30 : 271-287.
- 1981a. Two new species of *Tetrastichus* Haliday (Hymenoptera, Chalcidoidea, Eulophidae) from Madeira. *Bocagiana*, No. 53 : 1-7.
- 1981b. A survey of Madeira Chalcidoidea (Insecta : Hymenoptera) with additions and descriptions of new taxa. *Bocagiana*, No. 58 : 1-20.
1983. Madeira insects : faunal notes, additions and descriptions of new species of Chalcidoidea (Hymenoptera). *Bol. Mus. Mun. Funchal*, 35 (151) : 5-40.