

Fulgoromorpha of Seychelles: a preliminary checklist

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Abstract

A preliminary checklist of the Fulgoromorpha of Seychelles (excluded Delphacidae) is presented. 59 species from 8 families are known: Cixiidae (21), Ricaniidae (11), Derbidae (10), Meenoplidae (6), Flatidae (4), Issidae (3), Achilidae (3), and Tropicuchidae (1).

Key words: Auchenorrhyncha, Fulgoromorpha, Fulgoroidea, Seychelles, Checklist.

Introduction

The first data on the Auchenorrhyncha fauna of Seychelles were gained during the Percy Sladen trust expeditions about 100 years ago and published by Distant (1908, 1917). Since then, only very few additional studies were made (Webb, 1975; 1980; Boulard, 1995). Our recent project deals with the Fulgoromorpha, in especially the Cixiidae, of these mid-oceanic islands and addresses their taxonomy, phylogeny, ecology and biogeography in order to show the effects of long term isolation of the archipelago in combination with changing patterns of terrestrial habitats on the speciation process of these insects. Here we present a checklist of Fulgoromorpha species known to occur in Seychelles. Delphacidae are not included, as the African species of this family are currently revised by M. Asche (Berlin).

Checklist

Family Achilidae

Akotropis sp.

Clusivius spectabilis Distant 1917

Parakosalya insularis Distant 1917

Family Cixiidae

Tribe Eucarpini

Adolendana typica Distant 1917

Caneirona maculipennis Distant 1917

Tribe Oecleini

Volcanalia atrostriata Distant 1917

Volcanalia atrovarya Distant 1917

Volcanalia capitata Distant 1917

Volcanalia cardui Distant 1917

Volcanalia designata Distant 1917

Volcanalia fumosa Distant 1917

Volcanalia modesta Distant 1917

Volcanalia picturata Distant 1917

Volcanalia sulphurata Singh-Pruthi 1925

Volcanalia typica Distant 1917

Volcanalia uniformis Distant 1917

Volcanalia varicolor Distant 1917

Tribe Cixiini

Achaemenes major Jacobi 1917

Aselgoides insularis Distant 1917

Tribe Pentastirini

Oliarus nosibeanus Jacobi 1917

Oliarus sp.

Tribe Brixini

Brixia mahensis Distant 1917

Brixia stellata Distant 1917

Curiatius insignis Distant 1917

Family Derbidae

Tribe Sikaianini

Sikaiana albomaculata (Distant 1917)

Tribe Zoraidini

Proutista moesta (Westwood 1851)

Tribe Cenchreini

Aquaelicism brunnescens Distant 1917

Aquaelicism elegantulum Distant 1917

Aquaelicism typicum Distant 1917

Equirria phalaena Distant 1917

Fescennia aurea Distant 1917

Fescennia bimaculata Distant 1917

Fordicidia robusta Distant 1917

Vekunta sp.

Family Flatidae

Chaetormenis madagascariensis Signoret 1860

Euryprosthius rubromarginata (Distant 1917)

Paraflatoides protea (Distant 1917)

Ulundia madagascariensis (Signoret 1860)

Family Issidae

Lollius atromaculatus Distant 1917

Lollius virescens Distant 1917

Trienopa (Ivinga) typica Distant 1908

Family Meenoplidae

Nisia fuscofasciata Distant 1917

Nisia maculosa Distant 1917

Nisia sulphurata Distant 1917

Nisia thoracia Distant 1917

Nisia venosa (Motschulsky 1863)

Nisia sp.

Family Ricaniidae

Armilustrium gardineri Distant 1917
Armilustrium scotti Distant 1917
Carmentalia biformis Distant 1917
Deferundata aldabrana Distant 1917
Neoprivesa fuscovaria Distant 1917
Osaka hyalina Distant 1909
Osaka relata Distant 1909
Privesa fryeri Distant 1917
Privesa melanaria Distant 1917
Privesa punctifrons Distant 1917
Privesana infusca Distant 1909

Family Tropiciduchidae

Daradaxoides mahensis Distant 1917

Note: *Matutinus opulentus* Distant 1917 was described in Cixiidae, but is currently placed in Delphacidae (Fennah, 1972) and therefore not included in the checklist.

Conclusion

The Fulgoromorpha fauna of Seychelles comprises – excluding Delphacidae – 8 families with 59 species. The vast majority of species is endemic.

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