

A new genus of Lauxaniidae (Diptera) from New Caledonia

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Abstract

The new genus *Evertomyia* (Diptera: Lauxaniidae) from New Caledonia is described and illustrated, along with six new species, *albedo*, *frankadelia*, *irwini*, *helenae*, *matilei* and *webbi*. Phylogenetic relationships among the six species are hypothesized, character states are discussed, and a key to the genus and its species is provided.

Key words: Diptera, Lauxaniidae, *Evertomyia*, new genus, new species, New Caledonia

Introduction

The fauna of Lauxaniidae (Diptera) of New Caledonia is very poorly known, although that of the larger surrounding region is extremely diverse. Endemicity in lauxaniids is very typical for this region, where nearly half of the family's diversity at the genus-group level occurs. Nearly half of the genera and subgenera found in this region (and nearly one-third of the species) are found only on Pacific islands, and 29 are endemic to single islands. Several species from other parts of the region, including *Steganopsis melanogaster* (Thompson 1869) from Australia, and *Homoneura* (*Homoneura*) *horvathi* (Kertész 1900) and *H. (H.) varia* (Kertész 1900) from New Guinea, were subsequently recorded from New Caledonia (Curran 1929), and an additional species, *H. (H.) subnuda* Malloch (1940), was described from the island. The current study adds a new genus endemic to New Caledonia, with six new species.

Materials and Methods

Specimens for this study are from several sources: the Illinois Natural History Survey, Champaign (INHS), resulting from the extensive collecting efforts in New Caledonia by