



Review of the Australian genus *Desudaboides* Musgrave with descriptions of four new species (Hemiptera: Fulgoromorpha: Fulgoridae)

JEROME CONSTANT

Royal Belgian Institute of Natural Sciences, Department of Entomology, Vautier street 29, B-1000 Brussels, Belgium.

E-mail: entomo@naturalsciences.be

Abstract

Four new species of *Desudaboides* Musgrave, 1927, e.g. *D. fletcheri* n. sp., *D. melindae* n. sp., *D. nigrifrons* n. sp. and *D. rentzi* n. sp. are described from Australia. A key to the species, distribution maps and colour illustrations of the five species of *Desudaboides* are given. Male genitalia are illustrated for *D. fuscomaculata* Musgrave, 1927, *D. melindae* and *D. nigrifrons*.

Key words: Lantern-fly, Northern Territory, New South Wales, Queensland, Fulgoroidea

Introduction

The Australian genus *Desudaboides* Musgrave, 1927 was erected for a species from Queensland, *Desudaboides fuscomaculata* Musgrave, 1927. Musgrave (1927) believed that the genus is close to *Desudaba* Walker, 1858, a view followed by Metcalf (1947). Lallemand (1963) did not share this view and placed it in the Poiocerinae: Poiocerini: Poiocerina, close to the Oriental *Polydictya* Guérin-Méneville, 1844 and *Gebenna* Stål, 1863, and the Australian and Papuan *Birdantis* Stål, 1863, while he placed *Desudaba* in the Aphaenini of the Aphaeninae. Nagai & Porion (1996) followed these views and illustrated *Desudaboides fuscomaculata*. This classification is followed here.

The present paper describes four new species of this genus which have been identified from Northern Territory, Queensland and New South Wales.

Materials and methods

The male genitalia were extracted using a needle blade from softened specimens and boiled in water for further cleaning. They were placed in glycerin for conservation.

Distribution maps were produced by the software *CFP 2.0* (Barbier & Rasmont, 2000).

For the labels of the types, the wording on each single label is limited by square brackets. The type specimens of the new species here described bear a label of the following type: [Holotype / Paratype ♂ / ♀ *Genus species* n. sp. Jérôme Constant det. 2010].

The following acronyms are used for the measurements (taken as in Constant, 2004): BF, breadth of the frons; BT, breadth of the thorax; BTg, breadth of the tegmina; BV, breadth of the vertex; LF, length of the frons; LM, length of the mesonotum; LP, length of the pronotum; LT, total length; LTg, length of the tegmina; LV, length of the vertex.