

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

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### 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 *CFF 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.