



Two new Platystictidae (Odonata: Zygoptera) from Sarawak, Malaysian Borneo

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Abstract

Two new members of the Platystictidae are described from Sarawak: *Drepanosticta sbong*, holotype male: Malaysia, Sarawak, Kapit division, Sungai Spong, 11–II–2008; and *Protosticta tubau*, holotype male: Malaysia, Sarawak, Bintulu division, Planted Forest Zone, Tubau area, block E2K, 16–VIII–2009; both to be deposited in the RMNH Leiden, The Netherlands.

Key words: Odonata, Zygoptera, Platystictidae, new species, *Drepanosticta*, *Protosticta*, Borneo, Sarawak, Malaysia

Introduction

The Platystictidae are diverse on the island of Borneo; Orr (2003) lists 14 named species and I am aware of a number of undescribed species from Sarawak and from Brunei. The first species described from the island was *Drepanosticta rufostigma* (Selys, 1886); subsequently additional species were described by Laidlaw (1913, 1915, 1934), Lieftinck (1933, 1934, 1940, 1965) and Kimmins (1936). All species known from Sundaland fall in the subfamily Platystictinae, with all species known from Borneo currently placed either in *Drepanosticta* or *Protosticta*. Orr (2003) already noted that the distinction between these genera “appears to be inconsistent”; Van Tol (2009) could not confirm the monophyly of either genus. Certainly some distinct groups of Bornean species have members currently placed in different genera although they are clearly more closely to each other than to any other species. For these reasons the generic placement of the species described here should be considered provisional.

In February 2008 G.T. Reels collected a pair of a *Drepanosticta* species at Sungai (Sg.) Spong, near Kapit town in Kapit Division, Sarawak; this is described here as *Drepanosticta sbong* **sp. nov.** In August 2009 I collected a single male of an extremely distinctive *Protosticta* species in the Tubau area, within the Planted Forest Zone (PFZ, an area largely given over to acacia plantations) of Bintulu Division. The type locality is a block, E2K, of disturbed hill dipterocarp forest that is too steep to plant with acacia. This species is described here as *Protosticta tubau* **sp. nov.**

Terminology used here for wing venation follows that in Watson & O’Farrell (1991), other terminology follows Westfall & May (1996). The code RMNH is used below for National Museum of Natural History Naturalis, Leiden, the Netherlands. All material from Sarawak collected by the author and associates from 2005–2009 and initially at least in coll. Dow has a reference code; this code is stated for each specimen described here.

Drepanosticta sbong **sp. nov.**

(Figs. 1–7)

Material. Holotype: ♂ (SAR07_8_PST30), Malaysia, Sarawak, Kapit Division, vicinity of Kapit town, Sg. Spong (tributary of the Baleh river) in disturbed forest on native customary rights land, N 2° 0.280' E 113°