



## ***Coelliccia southwelli* sp. nov. (Odonata: Zygoptera: Platycnemididae) from Mount Dulit, Sarawak**

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### **Abstract**

*Coelliccia southwelli* sp. nov. is described from Mount Dulit, Miri and Kapit Divisions, Sarawak, Malaysian Borneo. It belongs to the *borneensis*-group of species, and is the sixth species from this group to be described from Borneo. New material of other *borneensis*-group species is put on record.

**Key words:** Odonata, Zygoptera, Platycnemididae, Calicnemiinae, *Coelliccia*, *southwelli*, new species, new records, Borneo, Sarawak, Malaysia

### **Introduction**

The *borneensis*-group of species from the platycnemidid calicnemiine genus *Coelliccia* Kirby, 1890 was recently treated in detail (Dow 2010); the reader is referred to this publication for a characterisation of the group. However some issues remained unresolved because of insufficient material. In particular a female specimen from the Natural History Museum, London (BMNH) could not be assigned to any named species. Fresh material of both sexes of the BMNH species was collected on Mount Dulit in Sarawak in September 2009; this species is described here as *Coelliccia southwelli* sp. nov.

Additional fresh material of other *borneensis*-group species collected in Sarawak in 2009–2010 is put on record. Modifications to the keys to both sexes of the group given in Dow (2010) needed to incorporate *C. southwelli* are given.

### **Material and methods**

Material from the following institutions was examined:

BMNH The Natural History Museum, London

RMNH National Museum of Natural History Naturalis (Leiden, Netherlands)

Additionally material collected in Sarawak from 2005–2010 by G.T. Reels (GTR) and the author (RAD), together with various associates, and currently in the first author's collection (hereafter referred to as coll. Dow) was examined.

All material from Sarawak collected by RAD, GTR and associates from 2005–2010 and initially at least in coll. Dow has a reference code; this is only stated for type material.

All specimens were examined using stereomicroscopes. The illustrations were made with the aid of a Leica MZ16A stereomicroscope equipped with a Leica DFC500 camera, motor focusing and LAS auto-imaging software at RMNH.

Terminology used for wing venation and structures between the wing bases follows that provided in Watson & O'Farrell (1991), other terminology follows Westfall & May (1996). Abdominal segments are referred to as S1–