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Review of the Philippine taxa formerly assigned to the genus *Amphicnemis* Selys, II. Genus *Sangabasis* with descriptions of eight new species (Odonata: Coenagrionidae)

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Abstract

The Philippine genus *Sangabasis* Villanueva is reviewed. Eight new species are described: *S. bukid* sp. nov., *S. bulba* sp. nov., *S. cahilogi* sp. nov., *S. carmelae* sp. nov., *S. feliculoi* sp. nov., *S. hamis* sp. nov., *S. janvantoli* sp. nov., and *S. zamboanga* sp. nov.

Key words: Odonata, Zygoptera, Coenagrionidae, *Amphicnemis*, *Sangabasis*, Philippines

Introduction

Recently, the first author reviewed the Philippine species that had been treated as members of the genus *Amphicnemis* (Villanueva 2012). The Philippine species were found to be distinct from *Amphicnemis* sensu stricto, hence they were transferred to *Pericnemis* Hagen, 1863, or assigned to the newly established genera *Luzonobasis* Villanueva, 2012, *Pandanobasis* Villanueva, 2012, and *Sangabasis* Villanueva, 2012. This paper deals with the species assigned to the genus *Sangabasis*; species placed in *Luzonobasis* and *Pandanobasis* were dealt with in Villanueva (2012), those placed in *Pericnemis* will be dealt with separately (Dow & Villanueva in preparation).

As far as is currently known, *Sangabasis* is confined to the Philippine islands. The previously named species placed in *Sangabasis* by Villanueva (2012) are the genotype *S. braulitae* (Villanueva), *S. circularis* (Lieftinck), *S. dentifer* (Needham & Gyger) and *S. furcata* (Brauer). Here we describe eight additional species from a number of the Philippine islands: *S. bukid* sp. nov., *S. bulba* sp. nov., *S. cahilogi* sp. nov., *S. carmelae* sp. nov., *S. feliculoi* sp. nov., *S. hamis* sp. nov., *S. janvantoli* sp. nov. and *S. zamboanga* sp. nov. The species included in *Sangabasis* and their distributions in the Philippines are summarised in Table 1.

This paper is based primarily on material available at the Naturalis Biodiversity Center in Leiden, The Netherlands (RMNH), and the first author's personal collection (RJTV). The Philippine *Amphicnemis* sensu lato (sl) specimens from Senckenberg Museum–Frankfurt (SMF), collected by G. Boettcher in 1913–1918, and *Amphicnemis* sl specimens from the V. P. Gapud collection in the University of the Philippines–Los Banos (UPLB) were also studied, as well as specimens in the collection of the second author (RAD). Hilario Cahilog, field assistant of the first author, is abbreviated as HC in the material lists.

Terminology generally follows Watson & O'Farrell (1991). Measurements for males refer to holotypes, however if the series of paratypes shows more than 2 millimetre variation then this is listed.

Sangabasis Villanueva, 2012

A complete definition of the genus is presented by Villanueva (2012). Only a brief diagnosis is given here. The genus includes 12 species, eight of which are described here.

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