



Description of *Protallagma hoffmanni* sp. nov. from the Peruvian Andes (Odonata: Coenagrionidae), including description of its larva

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Abstract

A new species, *Protallagma hoffmanni*, is described, illustrated, and diagnosed based on a series of males, females, and larvae collected at Laguna Querococha (male holotype: Ancash region, Peru, S 09° 43' 33.6" W 077° 19' 51.8", 3,980 m a.s.l., MHNL).

Key words: *Protallagma titicacae*, *Oxyallagma dissidens*, Zygoptera, Ancash, Peru, South America

Resumen

Una nueva especie, *Protallagma hoffmanni*, es descrita, ilustrada y diagnosticada sobre la base de una serie de machos, hembras y larvas colectadas en la Laguna de Querococha (holotipo macho: región Ancash, Perú, S 09° 43' 33.6" W 077° 19' 51.8", 3,980 msnm, MHNL).

Palabras clave: *Protallagma titicacae*, *Oxyallagma dissidens*, Zygoptera, Ancash, Perú, América del Sur

Introduction

During a scientific field trip through Peru, we collected specimens of Odonata and took photos of the species and their habitats. Among the collected material were specimens of a zygopteran species hitherto unknown to science. The purpose of this paper is to describe this new species from male and female imago and larvae and to compare it with *Protallagma titicacae* (Calvert, 1907).

Material and methods

On February 18, 2007, we collected a total of eight males and nine females of the new species at Laguna Querococha (Ancash region, S 09° 43' 33.6" W 077° 19' 51.8"), an easily accessible mountain lake situated at 3,980 m a.s.l. next to the road between Huaraz and Chavin de Huantar. The damselflies were not found in the lake itself, however, but in a small runnel discharging into the lake. We also collected 19 larvae which most likely belong to the species, as it was the only Odonata species present at the site on our sampling date.

In order to compare our material with specimens from other sites in South America, we borrowed specimens from the collection of Forschungsinstitut und Naturkundemuseum Senckenberg (Senckenberg Research Institute and Natural History Museum), section Entomologie II, ex coll. G. Jurzitza. The following list cites the information from the original collection labels:

1–3. Argentinien, Prov. Salta, Tastil, 3.000 m; 20.01.1989; *Protallagma titicacae* (Calvert), two ♂ and one ♀; leg. et det. G. Jurzitza.

4. Bolivia, Huarina, Prov. Omasuyos, Depto. La Paz; 2-11-1982; zona de cultivos (llanura), 3910 m.s.m.; one ♀, *Protallagma titicacae*, det. G. Jurzitza.