

Nine new records of Odonata for Colombia from the Orinoco Basin (Lestidae, Calopterygidae, Heteragrionidae, Coenagrionidae, Libellulidae)

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Abstract. Twelve species new for Meta department, Colombia, are listed, among which nine represent new records for Colombia. These are *Telebasis rubricauda* Bick & Bick, 1995, *Lestes helix* Ris, 1918, *Lestes jerrelli* Tennessen, 1997, *Lestes minutus* Selys, 1862, *Heteragrion bariai* De Marmels, 1989, *Oxystigma cyanofrons* Williamson, 1919, *Misagria parana* Kirby, 1889, *Perithemis thais* Kirby, 1889, and *Zenithoptera lanei* Santos, 1941.

Key words. Odonata, new records, Meta department, Colombia

Introduction

The Colombian Orinoco basin region is located on the eastern slope of the Andean Cordillera Oriental, and at the north of the Amazon basin slightly separated by plateaus of Guianan Shield origin (ROSALES et al. 2010). This region has a great biodiversity in part due to its broad altitudinal range, from 40 m to 5,330 m a.s.l., which creates a scenario for numerous ecosystems, dominated by the lowland ecosystems of tropical forest (37,4%) and prairies (53,9%) (CORREA et al. 2005). Despite the great richness of the basin, the Odonata of this region is poorly known and there are only four publications with faunistical records (ROJAS & SÁNCHEZ 2009; AMAYA-PERILLA & PALACINO-RODRÍGUEZ 2012; RACHE et al. 2013).

Material and method

Data presented here comprise the results of a revision of material deposited at the Instituto de Ciencias Naturales-Museo de Historia Natural de la Universidad Nacional de Colombia (ICN-MHN) and collections made by Cintia Moreno Arias (CMA).

List of collecting sites

(1) Reserve Mataredonda y Rey Samuro, Department Meta, Municipality San Martín (03°32'30" N, 73°21'26" W, 260 m a.s.l.). Morichal i.e. permanent flooded 'sabana', dominated by the palm *Mauritia flexuosa*. (2) Río Ocoa, Caño Grande, 400 m a.s.l. (3) Acacias, Finca Versalles. (4) Reserve Mataredonda y Rey Samuro, Department Meta, Municipality San Martín (03°32'30" N, 73°21'26" W). Forested stream (5) Reserve Mataredonda y Rey Samuro, Department Meta, Municipality San Martín (03°32'30" N, 73°21'26" W). Flooded forest (6) San Martín, Finca Resguardo Caduceo, 393 m a.s.l. (7) Guamal, 550 m a.s.l.

Results

Twelve species new for Meta department are listed below. New species for Colombia are marked with an asterisk. If not stated otherwise, specimens have been collected by CMA. The topographic position of the localities is provided in Fig. 1.

Family Calopterygidae

1. *Mnesarete fulgida* (Selys, 1879)

(2) 1♂ 10-iii-1945, leg. L. Richter.

Family Coenagrionidae

2. **Telebasis rubricauda* Bick & Bick, 1995

(1) 2♂ 07-14-vi-2014.

3. *Telebasis salva* (Hagen, 1861)

(1) 1♂ 07-14-vi-2014.

Family Lestidae

4. **Lestes helix* Ris, 1918

(3) 1♂ 18-iv-2004, leg. unknown.

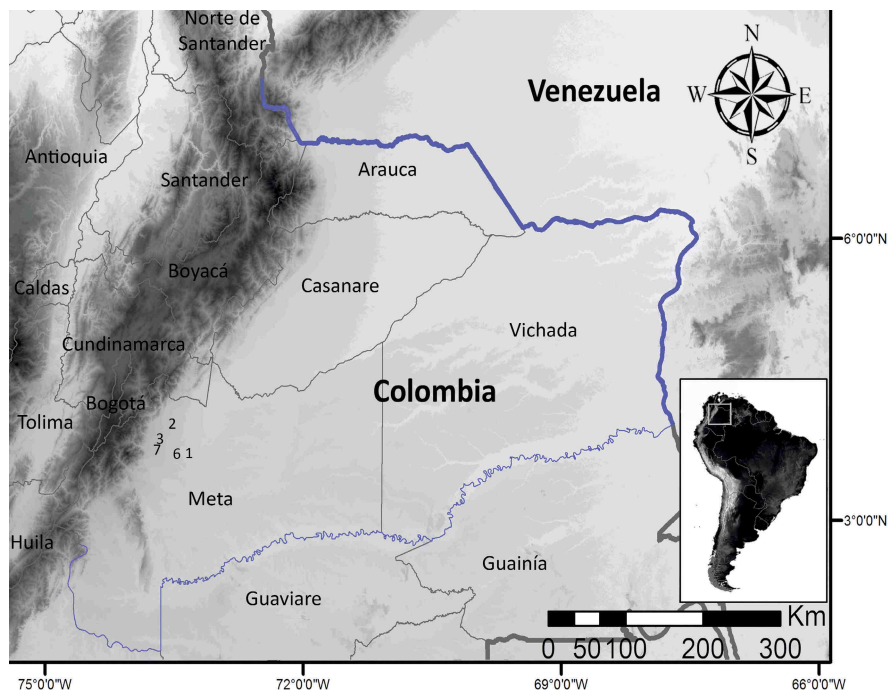


Fig. 1. Topographic position of the localities of the nine species newly recorded for Colombia. Blue: Colombian Orinoco basin region; **(1)** Reservas Mataredonda y Rey Samuro; **(2)** Río Ocoa, Caño Grande; **(3)** Acacías; **(6)** San Martín; **(7)** Guamal.

5. *Lestes jerrelli* Tennessen, 1997

(1) 1♂ 7-14-vi-2014.

6. *Lestes minutus* Selys, 1862

(1) 2♂ 7-14-vi-2014.

Family Heteragrionidae

7. *Heteragrion bariai* De Marmels, 1989

(4) 3♂ 1♀ 7-14-vi-2014.

8. *Oxystigma cyanofrons* Williamson, 1919

(2) 3♂ 10-iii-1945, leg. L. Richter.

Family Libellulidae

9. *Misagria parana* Kirby, 1889

(5) 1♀ 7-14-vi-2014.

10. *Perithemis thais* Kirby, 1889

(5) 2♂ 7-14-vi-2014.

11. *Zenithoptera lanei* Santos, 1941

(6) 3♂ 1♀ 09-xii-2006, leg. unknown students.

12. *Zenithoptera viola* Ris, 1910

(7) 1♂ 10-xii-1985, leg. D. de Arevalo.

Discussion

Most of the work done in this region has been concentrated in Meta department, leaving the Andean slope and the other departments: Arauca, Casanare and Vichada, almost unexplored with only eight records for Casanare and none for the other departments (PÉREZ-GUTIÉRREZ & PALACINO-RODRÍGUEZ 2011). It makes this rich region a potentially good place for finding new and interesting Odonata species.

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