

Taxonomic and distributional notes on *Telebasis* Selys, 1865, with a redescription of *T. pallida* Machado, 2010, and an evaluation of the *T. racenisi* Bick & Bick, 1995 “complex” of species (Odonata, Coenagrionidae)

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Abstract

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Key Words

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A full checklist of the species of *Telebasis* Selys, 1865, housed in the Brazilian collections Coleção Entomológica “Prof. José Alfredo Pinheiro Dutra”, Departamento de Zoologia, Instituto de Biologia, Universidade Federal do Rio de Janeiro (DZJR), and Museu de Zoologia, Universidade de São Paulo (MZSP) is presented. A total of 325 specimens representing 19 species were studied. Ten new records for Brazilian States were found for *T. carmesina* Calvert, 1909 (Rio de Janeiro and Rio Grande do Sul), *T. corallina* (Selys, 1876) (Pernambuco), *T. demarara* (Williamson, 1917) (Maranhão), *T. filioli* (Perty, 1834) (Paraíba and Santa Catarina), *T. gigantea* Daigle, 2002 (São Paulo), *T. inalata* (Calvert, 1961) (Mato Grosso do Sul), *T. pallida* Machado, 2010 (Goiás) and *T. obsoleta* (Selys, 1876) (Mato Grosso do Sul), as well as a new record of *T. carminita* Calvert, 1909 for Suriname. *Telebasis pallida* Machado, 2010 is redescribed and diagnosed based on 14 males collected near the type locality, and its genital ligula is described and illustrated for the first time. Furthermore, the status of the three species of the *Telebasis racenisi* Bick & Bick, 1995 “complex” is evaluated. Of these, *Telebasis pareci* Machado, 2010 **syn. n.** is proposed as junior subjective synonym of *Telebasis lenkoi* Machado, 2010, and a possible synonymy among the three species is discussed under *T. racenisi*.

Introduction

Telebasis, with 58 species, is the second richest genus of Zygoptera in the New World, being surpassed only by *Argia* Rambur, 1842, with 112 species (Garrison et al. 2010) and is the eighth largest on a worldwide basis (Schorr & Paulson 2011). Its high richness has been reflected in an unusual situation, since the genus was revised twice in the last two decades, first by Bick & Bick (1995, 1996) and most recently by Garrison (2009). Machado (2010) and Lencioni (2010) underscored the difficulty in identifying specimens of the genus with the poorly illustrated revision of Bick & Bick (1995, 1996). These deficiencies were accurately

amended with the fully illustrated synopsis by Garrison (2009), who included comprehensive keys for all species. Soon after that publication, students on New World Odonata were able to correctly determine the long-time unidentified specimens held in their collections, allowing for the discovery of eight new species and increasing the total number of species for Brazil to 26 (Lencioni 2010; Machado 2010). In spite of the recent profusion of new species descriptions, the real number appears still far from being attained, with at least other eight new species having been reported (Garrison et al. 2010; Machado 2010; von Ellenrieder 2010).

The present paper lists all specimens of *Telebasis* deposited in two Brazilian collections, and new records

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