



## Seven new species of *Telebasis* from Brazil (Odonata: Coenagrionidae)

ANGELO B.M. MACHADO

Departamento de Zoologia, Instituto de Ciências Biológicas, Universidade Federal de Minas Gerais, Caixa Postal 486, BR 31270-901, Belo Horizonte, Minas Gerais, Brasil. E-mail: angelo@icb.ufmg.br

### Abstract

Seven new species of *Telebasis* from Brazil are described, illustrated, and diagnosed: *T. celiovallei*, *T. divaricata* (Pará State); *T. lenkoi* (Mato Grosso State); *T. myrianae* (Bahia State); *T. pallida* (Mato Grosso State); *T. pareci* (Mato Grosso State); and *T. pataxo* (Bahia State).

**Key words:** Odonata, Zygoptera, *Telebasis*, Brazil

### Introduction

Genus *Telebasis* (Selys, 1865) currently contains 50 species distributed in the Neotropical region with three in southern United States (Garrison, 2009). The Brazilian fauna contains 18 species (Lencioni 2006, Garrison 2009) that have been described by Perty (1834), Selys (1876), Calvert (1909), Williamson (1917), Navás (1934), Fraser (1948), Machado (1956, 1980), Bick & Bick (1995), Tennessen, 2002; and Garrison (2009). During the last 57 years I have been gathering specimens of *Telebasis* but had enormous difficulty identifying them due to vague generic characterization and lack of comprehensive and well illustrated works. Bick & Bick provided keys for males (1995) and females (1996) but these do not allow for confident species identification by lack of drawings of the female prothorax, male cercus in medio-dorsal view and penis. Garrison's (2009) comprehensive synopsis of *Telebasis* with keys, illustrations and diagnoses of all described species facilitates species identification for this large genus. With the aid of Garrison's synopsis I was able to identify all specimens in my collection resulting in seven new species that are herein described. Three new records to Brazil were found (all in ABMM unless otherwise specified): *T. corbeti* Garrison 2009 (Acre State: Restauração, Tejo River, 9°3' S, 72°17' W; Senador Guiomard, Trilha do Igarapé Floresta, Fazenda Experimental Catuaba; # 1189, 10°4' 20"S, 67°36' 53"W [latter record courtesy of RWG]), *T. gigantea* Daigle 2002 (Minas Gerais State: Pains, 20° 22' S, 45° 40' W, 852 m), and *T. inalata* (Calvert, 1961) (Amazonas State: Estirão do Equador, 4° 31' 12" S, 71° 33' 36" W). These discoveries augment the number of Brazilian species of *Telebasis* from 18 to 25 and the total number of species in the genus from 50 to 57. In my collection there are also three probable new species not described here because each is represented only by single females or a badly damaged male. Thus it is very likely that these numbers will increase making *Telebasis* the second largest genus of Neotropical Zygoptera, second only to *Argia*.

### Methodology

Specimens are deposited in following collections: Angelo B.M. Machado personal collection, Belo Horizonte, Brazil (ABMM); Rosser W. Garrison personal collection, California Department of Food and Agriculture, Sacramento, CA, USA (RWG); Frederico A.A. Lencioni personal collection, Jacarei, São Paulo, Brazil (FAAL). All drawings were made with aid of a camera lucida, measurements are in mm, abdomen length