

STUDIES ON NEOTROPICAL PROTONEURIDAE. 4. NOTES ON SOME SELYSIAN TYPES OF *PROTONEURA* (ZYGOPTERA)

A.B.M. MACHADO

Departamento de Morfologia, Instituto de Ciências Biológicas,
Universidade Federal de Minas Gerais, Caixa Postal 2486,
BR-30000 Belo Horizonte, Minas Gerais, Brazil

Received and Accepted February 19, 1985

Some general remarks are made on the types of the spp. brought by Selys under his sub-genus *Protoneura*, emphasizing the difficulty in identifying most of these spp. with the data available. The types of the Selysian spp. *exigua*, *tenuissima* and *capilliformis* were examined and lectotypes designated for the first 2 of these. *Protoneura exigua* was shown to be conspecific with *Phasmoneura olmyra* Wllmsn, 1916 and thus becomes the type species of the genus *Phasmoneura* Williamson. The position of *tenuissima* as a true *Psaironeura* was confirmed and *Psaironeura cerasina* Wllmsn, 1915 was made a synonym of *E. capilliformis* (Sel., 1886). Remarks were made on the morphology of the three species with the aim of correcting mistakes found in the literature and facilitating their identification.

INTRODUCTION

In his "*Revision du Synopsis des Agrionines*" SELYS (1886) brought under his sub-genus *Protoneura* the following species: *P. ephippigera* Selys, *P. humeralis* Selys, *P. tenuis* Selys, *P. capilliformis* Selys, *P. capillaris* Rambur, *P. aurantiaca* Selys, *P. paucinervis* Selys, *P. exigua* Selys, *P. tenuissima* Selys and *P. sancta* Selys.

Thanks to the contributions of WILLIAMSON (1915), COWLEY & GLOYD (1938) and WESTFALL (1964), *P. aurantiaca*, *P. tenuis* and *P. capillaris* can now be identified with certainty. The same is not true for the other species whose diagnoses are very laconic and lack illustrations. Even the generic position of some of these species has been in dispute since WILLIAMSON (1915, 1916) splitted the Selysian sub-genus *Protoneura* into five genera. In 1981, I visited Selys' collection in Brussels with the special aim of examining the Selysian types