

## DRAGONFLIES FROM ZOMEA FOREST, CENTRAL AFRICAN REPUBLIC

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**Abstract** — 15 spp. are listed. *Pseudagrion serrulatum*, *P. coeruleiceps*, *P. kibalense*, *Agriocnemis exilis*, *Chlorocypha victoriae*, *C. aphrodite*, *Sapho puella*, *Tetrathemis sulci*, *Notiothemis robertsi*, *Hadrothemis versuta*, *Trithemis nuptialis* are new to the Central African Republic. Some structural details of *T. sulci* and *N. robertsi* are illustrated.

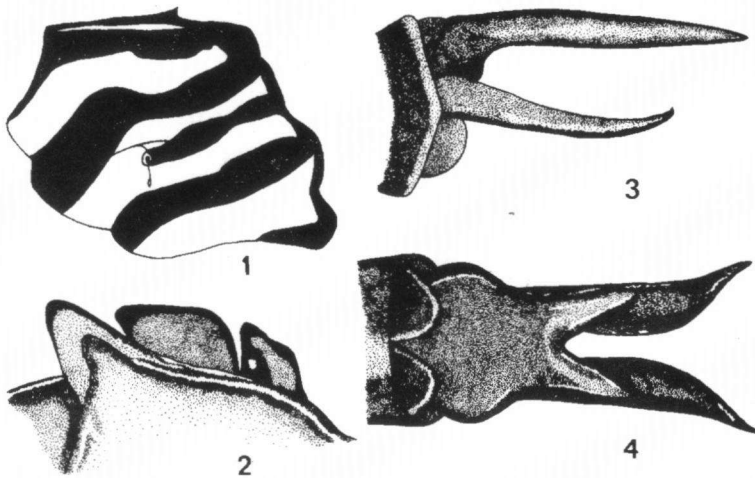
### Introduction

A total of 154 specimens, referable to 15 species of 4 families, are deposited in the collections of the Municipal Museum of Natural History of Milan (= MSNM) and of Dr M. Pavesi (= CP) has been studied. This material was collected by Giovanni Onore along the rivers of Zomea Forest, near Mbaïki (Lobaye Prefecture, Central African Republic) from 28 to 31 December 1980.

The odonate fauna in the Central African Republic is insufficiently known. TSUDA (1991) lists only 59 species and no additions have been published since then. Consequently, out of 15 species listed in this note, 11 are new for the Central African Rep., viz. *Pseudagrion serrulatum*, *P. coeruleiceps*, *P. kibalense*, *Agriocnemis exilis*, *Chlorocypha victoriae*, *C. aphrodite*, *Sapho puella*, *Tetrathemis sulci*, *Notiothemis robertsi*, *Hadrothemis versuta* and *Trithemis nuptialis*. The present total of 70 known species is still incomplete considering the geographic position of this state; for the neighbouring Republic of Congo, CARLETTI (1997) lists 188 species.

### Annotated species list

The classification of the families follows TSUDA (1991); the generic sequence is in accordance with



Figs 1-4. *Tetrathemis sulci* Pinhey, ♂: (1) pterothorax, lateral view; — (2) secondary genitalia, lateral view; — (3-4) caudal appendages, lateral and ventral views.

PINHEY (1962a, 1962b) and the specific sequence in the genera *Pseudagrion* Sélys, *Chlorocypha* Fraser and *Orthetrum* Newman is in accordance with PINHEY (1964, 1967, 1970). The asterisked species (\*) are new for the Central African Republic.

#### Coenagrionidae

—\**Pseudagrion serrulatum* Karsch: 1 ♂ (CP); 1 ♂ (MSNM)

—\**Pseudagrion coeruleiceps* Longfield: 1 ♂ (CP)

—\**Pseudagrion kibalense* Longfield: 9 ♂ (CP); 9 ♂, 1 ♀ (MSNM)

—\**Agriocnemis exilis* Sélys: 1 ♀ juv. (MSNM)

#### Chlorocyphidae

—\**Chlorocypha victoriae* (Förster): 1 ♂, 1 ♀ (CP); 2 ♂ (MSNM)

—\**Chlorocypha aphrodite* (Le Roi): 1 ♂ (MSNM)

#### Calopterygidae

—\**Sapho puella* (Sjöstedt): 1 ♂ (CP); 1 ♂ (MSNM)

#### Libellulidae

—\**Tetrathemis sulci* Pinhey: 3 ♂ (CP)

The 3 ♂ examined have the following dimensions (in mm): abdomen 17,5-18,5, hind wing 23-24; pterostigma 2; in the fore wing 8 ax and 7 px

are constant. The data of the holotype ♂ reported by PINHEY (1962c) agree with ours (abdomen 17,5; hind wing 23; pterostigma 2; in the fore wing 8 ax and 7 px are present); we do not know other data for this species. PINHEY (1962c) also provides a precise description but presents only a schematic drawing of the anal appendages in ventral view. Here, the illustrations of the pterothorax (Fig. 1), secondary genitalia (Fig. 2) and of the caudal appendages (Figs 3-4) are supplied.

—\**Notiothemis robertsi* Fraser: 1 ♂ (CP)

We illustrate the apex of the inferior caudal appendages (Fig. 5), missing in FRASER's (1944) description.

—\**Hadrothemis versuta* (Karsch): 1 ♀ (CP)

—*Orthetrum microstigma* Ris: 7 ♂, 2 ♀ (CP); 13 ♂, 4 ♀ (MSNM)

—*Orthetrum brachiale* (Palisot de Beauvois): 2 ♂ (CP)

—*Orthetrum julia* Kirby: 23 ♂, 11 ♀ (CP); 21 ♂, 7 ♀ (MSNM)

—*Palpopleura lucia* (Drury): 18 ♂, 7 ♀ (CP)

—\**Trithemis nuptialis* Karsch: 1 ♂ (CP); 4 ♂ (MSNM).

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the Odonata in his personal and in the Museum collections.

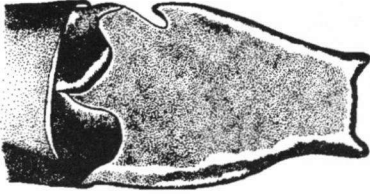


Fig. 5. Fraser, ♂: apex of inferior caudal appendage.

*fauna della Repubblica del Congo (Africa equatoriale)*. Thesis, Dept. Anim. Biol. & Genet., Univ. Firenze; — FRASER, F. C., 1944, *Proc. R. ent. Soc. Lond.* (B)13(3/4): 40-43; — PINHEY, E., 1962a, *Publções cult. Co. Diam. Angola* 59: 1-161; — 1962b, *ibidem* 59: 161-322; — 1962c, *J. ent. Soc. sth. Afr.* 25: 20-50; — 1964, *Revta Ent. Moçamb.* 7: 5-196; — 1967, *J. ent. Soc. sth. Afr.* 29: 161-197; — 1970, *Occ. Pap. natn. Mus. Rhod.* (B) 4(30): 261-321; — TSUDA, S., 1991, *A distributional list of World Odonata*, Tsuda, Osaka.

References — CARLETTI, B., 1997, *Odonato-*

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