

ODONATA COLLECTED IN MOROCCO AND SOUTHERN ANDALUCIA, SPAIN

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Abstract

17 spp. collected in July and August, 1982 are reported. The records of *Coenagrion m. mercuriale* (Vander L.) (Rhab N. Morocco), *Zygonyx torridus* (Kirby) (SE Morocco) and *Orthetrum nitidinerve* (Sel.) (Cádiz and Zaragoza prov., Spain) are of particular interest. An unusually coloured ♂ *Platycnemis latipes* Ramb. is described.

Introduction

A dragonfly collection was made in late July and early August, 1982, at 5 localities in Morocco and 3 on the Spanish coast of the Strait of Gibraltar. The specimens are deposited in the collections of the B.O.S. Department (Zoology), University of Oviedo, Spain.

Localities

M O R O C C O

- (1) Arif n'Tarhat, about 10 km N of Oulma (Agadir): clear water and stony stream on the low Atlantic slope of the Haut Atlas; alt. ca 250 m.
- (2) Immouzèr des Ida Outanane: clear water stream, at the bottom of the waterfall; alt. ca 1000 m.
- (3) Large man-made pond of the Olivette de la Ménara, in the surroundings of Marrakech; alt. ca 400 m.
- (4) Sidi Bou Ghaba (Kénitra): extensive coastal lagoon with slightly brackish waters; alt. ca sea level.
- (5) Tributary of Loukos R.: clear water and shallow stream flowing under the P-2 road between Ksar el Kebir and Larache, about 16 km NW of the latter; alt. ca 80 m.

A n d a l u c i a

- (6) Close to the mouth of the Jara R. (Tarifa),

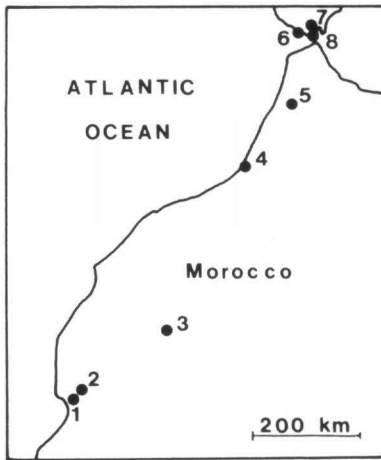


Fig. 1. Topographic position of the localities. — [For the geographic names see text].

in a sunny, wide and slow water section; alt. ca sea level.

(7) Cañas R., about 5 km of Los Barrios: sunny, wide and slow waters; alt. ca 15 m.

(8) Algeciras: sunny, narrow and polluted stream, with some stagnant sections; alt. ca 40 m.

List of species

Coenagrionidae. — *Ischnura graellsii* (Ramb.): 4 (26-VII-1982: 1 ♂, 2 ♀); — 7 (8-VIII-1982: 2 ♂; — 8 (8-VIII-1982: 3 ♂, 3 ♀). — *Cercion lindenii* (Sel.): 1 (4-VIII-1982: 1 ♂, 1 ♀, in copulation). — *Coenagrion m. mercuriale* (Charp.): 5 (24-VII-1982: 2 ♂).

Platynemididae. — *Platynemis latipes* Ramb.: 7 (8-VIII-1982: 1 ♂).

Lestidae. — *Lestes barbarus* (Fabr.): 4 (26-VII-1982: 1 ♂, 1 ♀, in copulation).

Calopterygidae. — *Calopteryx h. haemorrhoidalis* (Vander L.): 5 (24-VII-1982: 5 ♂, 3 ♀).

Aeshnidae. — *Anax p. parthenope* Sel.: 4 (27-VII-1982: 2 ♂).

Libellulidae. — *Orthetrum chrysotigma* (Burm.): 1 (4-VIII-1982: 1 ♂); — *O. nitidissime* (Sel.): 8 (8-VIII-1982: 1 ♂); — *O. ramburi* (Sel.): 2 (4-VIII-1982: 2 ♂); — *O. trinacria* (Sel.): 3 (31-VII-1982: 6 ♂, 2 ♀); — 4 (26-VII-

1982: 1 ♂, 1 ♀); — *O. cancellatum* (L.): 4 (26-VII-1982: 1 ♂); — *Sympetrum fonscolombei* (Sel.): 4 (26-VII-1982: 1 ♀); — 6 (7-VIII-1982: 1 ♂); — 7 (8-VIII-1982: 2 ♂); — 8 (8-VIII-1982: 2 ♂, 2 ♀); — *Brachythemis leucosticta* (Burm.): 4 (26-VII-1982: 5 ♂, 1 ♀); — 7 (8-VIII-1982: 4 ♂, 4 ♀); — *Trithemis kirbyi ardens* Gerstäcker: 1 (4-VIII-1982: 2 ♂); — *T. annulata* (Pal. de Beauv.): 1 (4-VIII-1982: 1 ♂); — 7 (8-VIII-1982: 2 ♂, 1 ♀); — *Zygonyx torridus* (Kirby): 1 (4-VIII-1982: 3 ♂).

Discussion

Coenagrion m. mercuriale, previously recorded from the Central and High Atlas (ca ≥ 1000 m a.s.l.) by LIEFTINCK (1966) and DUMONT (1972), is herein reported from the Rharb Plain (N Morocco) at lower altitude. Specimens (10-20) were flying over the low shore vegetation on the sunny side of the stream. *Zygonyx torridus*, reported from the Rif (N Morocco) by DUMONT (1972), is recorded here from SE Morocco. The specimens (≥ 8) were overflying the running waters continuously, resembling the flight of *Cordulegaster boltoni*.

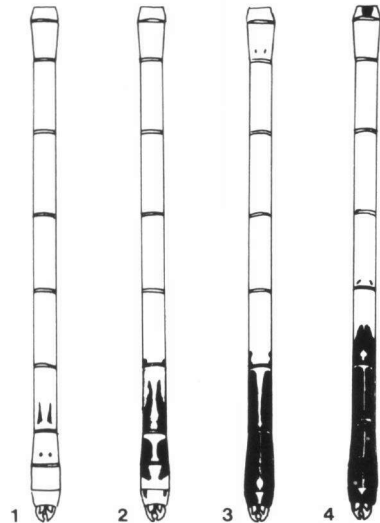


Fig. 2. *Platynemis latipes* Ramb., adult ♂: (1) Cañas R., Cádiz; — (2) Garcibuey, Salamanca; — (3) Butrón, Vizcaya; — (4) Ullivarri, Alava.

Like in many other Iberian species, the distribution of *Orthetrum nitidinerve* is unknown. Spanish records are very scarce. Recent information comes from Coto de Palos, Huelva (AGUESSE, 1962) and from two other streams in the Malaga province (CONESA GARCIA & GARCIA RASO, 1983). In addition to the specimen from Algeciras, I report herein one male from the Ebro basin, at Pedrola (UTM 30TXM4627, 4-VIII-1985, alt. ca 250 m). In both localities individuals showed very elusive behaviour; they were overflying short sections of the stream, resting at times on branches.

Particularly interesting is the pale coloration of the *Platynemis latipes* adult male from Algeciras. This specimen is morphologically alike to other ones from northern and central Spain (anal

appendages, legs; cf. OCHARAN, 1987). However its abdominal coloration differs greatly from the general pattern of Spanish individuals, including the immature stages (Fig. 2).

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