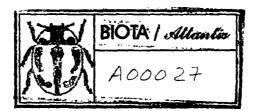
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Odonata collected in the Cünary Islands

by

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ABSTRACT. — Odonatological results of an excursion to the Canary Islands iire placed on record. *Ischnura saharensis* Aguesse is iiew to the Canary Islands. Two Aeshnid species are new to Gran Canaria. A suniinary. in a tabular form, of ilic distributional data of the Odonaia recorded from the Canary Islands is added.

INTRODUCTION

In February 1981 I went to the Canary Islands for dragonfly collecting. Four islands of the archipelago were visited bui collecting was confined to ilic extreme southern tip of the island of Gran Canaria when I deiceied there a inuitiber of artificial ponds of relatively recent construction in a rather saline environment (Campo Golí "Maspalomas"). Mosi of these ponds were seriously polluted and unsuited as breeding places but three ponds, one with clear water and iwo with iurbid water, proved to be rather good dragonfly localities. From this area odonaic material could be assembled during the period from 15 to 24 February.

CONSPECTUS OF MATERIAL COLLECTED

1. Ischnura saharensis Aguesse, 1958: 5 δ (adult and semi-adult), 1 9 (semi-adult, heterochroinatic). 1 φ (newly haiched, isochromatic) and iis exuviae, tlic exuviae of a δ . Many other specificens were seen.

The imagines fit fairly well the detailed description given by Lieftinck (1966) for examples from Morocco. The species is in to the fauna of the Canary Islands.

2. Crocothemis erythraea (Brullé, 1832): 4 d (aduli). Maily more males were observed. The species was seen in copula and depositing its eggs iii the poild with clear water.

The presciii males exhibit some geographical variation. If coinpared with the European representatives of this species they are somewhat larger (abd. + app. 26-29 inni, hind wing 31-33 mm) whereas the basal spots on the hind wings are time smaller but no difference in the structure of the prophallus is found.

- C. erythraea was recorded froiii Fuerteventura by Brauer (1900), froiii La Palma by Navás (1906), from Goiiiera by Valle (1935), and froiii Gran Canaria and Tenerisse by Gardner (1960). The reference papers refer to ilie latest captures.
- 3. Anax parthenope Selys, 1839: 7 d (aduli and semi-adult), 1 9 (adult), 2 exuviae of mature larvae (δ and \Re) and several exuviae of iiiiniaiure larvae. Several other iiiales were observed flying along the shores of the ponds. Two females ovipositing iii tandem were seen, oiic of which was captured.

Measurements: 3 abd. + app. 50-53 mm, hind wiiig 46-48 mm; 9 abd. + app. 49 inin, caud. app. 4.8 mm, hind wiiig 40.5 mm.

This is the first record of ilic species froiii Gran Canaria. It was recorded froni Lanzarote and Fuerteventura by Brauer (1900), and from Teneriffe by Navás (1906).

4. Hemianax ephippiger (Burincister, 1839); 1 & (aduli).

This African species was hitherto recorded from Teneriffe oiity (Navás, 1906). The present male was netted when it wiis flying along the shores of a polid. No female was observed.

ADDITIONAL RECORDS

Besides the species collected by myself and listed above, the following ones were reported from the diverse islands of the archipelago:

Tabular view of the Odonata recorded from the Canary Islands

	Lanzarote	Fuerteventura			La Palma	Gome L	H1e+ 0
Cocnagrionidae							
1. Ischnura saharensis							
2. L senegalensis		:					
Aeshnidae							
3. Anax imperator				l 1	İ	х	
4. A. parthenope	х	x		l			
5. Hemianax ephippiger							
Libellulidae							
6. Crocothemis erythraea		x		l	x	х	ł
7. Orthetrum chrysostigma		x			х	х	x
8. Sympetrum fonecolombei	x	x		! !	х	х	
9. S. nigrifemur			X	Х			
10. Trithemis arteriosa			Х	х		х	
11. Zygonyx torrida			X	х		х	

5. Ischnura senegalensis Rambur, 1842. Ilccordcdíroili Gran Canaria by Valle (1055).

The Zygoptera formerly collected in Gran Canaria by Lindberg and known to be in the collection of the Zoological Museum of the University at Helsinki could not be located. Mr. Vesa Varis of the same institution kindly sent me for study ten of the Ischnura examples (females only!) from the Azores referred to senegalensis by Valle (1940). These females, llowever, proved to belong to another species as judged by the very small vulvar spine. This misidentification arouses grave doubt about the correctness of Valle's determination of the Ischnura species froili Gran Canaria.

- 6. Anax imperator Leach, 1815. Recorded (under Anax formosus Vander Linden) froin Gomera by Brauer (1900), from Gran Canaria by Valle (1935), and from Teneriffe by Gardner (1960).
- 7. Orthetrum chrysostigma (Burmeister, 1839). Recorded íroiii Fuerteventura and Hierro by Brauer (1900), from Teneriííc. La Palma and Gomera by Valle (1935), and from Gran Canaria by Gardner (1960).
- X. Sympetrum fonscolombei (Selys. 1840). Recorded from Lanzarote (islet of Roque del Este), Fuerteventura (islet of Lobos) and Gomera by Brauer (1900), from La Palma by Lieftinck (1949), and from Gran Canaria and Teneriffe by Gardner (1960).
- 9. S. nigrifemur (Selys, 1884). Recorded (under S. striolatum nigrifemur) from Gran Canaria by Valle (1035). and from Teneriffe by Lieftinck (1949).
- 10. Trithemis arteriosa (Burmeister, 1839). Recorded íroiii Gomera by Navás (1006). íroin Teneriffe by Lieftinck (1949), and íroiii Gran Canaria by Gardner (1960).
- 11. Zygonyx torrida (Kirby, 1889). Recorded (under Pseudomacromia torrida) íroin Gran Canaria and Teneriffe by Navás (1906), and íroiiiGomera by Valle (1935).

Remark. — Two uncertain records from the Canary Islands, viz. Libellula depressa Linnaeus

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and *Palpopleura lucia* (Drury) (under *Palpopleura marginata* Fabricius), by McLachlan (1883) are disregarded in the synopsis.

CONCLUSIONS

Gran Canaria has the best breeding possibilities for dragonflies of all Canary Islands, among others owill to the many cisterns and large water reservoirs caused by weirs in the ravines or "barrancos". All dragonfly species reported from the other Canary Islands also occur in this island. An analysis of the accompanying distributional table shows that 11 species are known from the Canary Islands and that they are grouped as follows: Lanzarote 2, Fuerteventura 4, Gran Canaria 11, Teneriffe 9, La Palma 3, Goniera 6, and Hierro 1.

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