



ARTÍCULO:

The spiders of Portugal: some additions to the current checklist (Araneae)

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THE SPIDERS OF PORTUGAL: SOME ADDITIONS TO THE CURRENT CHECKLIST (ARANEAE)

Gillian Telfer, Robert Bosmans,
Antonio Melic & Francisco Rego

Abstract

In the present paper 23 new additions to the current checklist for Portuguese spiders are listed, and localities given.

Key words: Araneae, checklist, Portugal.

Adiciones al catálogo de arañas de Portugal (Araneae)

Resumen

Se presentan 23 novedades para la Checklist de arañas de Portugal.

Palabras clave: Araneae, *checklist*, Portugal.

Introduction

Since the works of Bacelar (e.g. 1927a, 1927b, 1928, 1933, 1935, 1936, 1940) and Machado (e.g. 1937, 1941, 1949) in the early 20th century, little attention has been paid to the arachnafauna of Portugal. Fortunately research in this Order has increased in the past decade or so, and at present the current number of species of spiders reported in Portugal stands at 660 (Alderweireldt & Bosmans, 2001; Bosmans, 1993; Cardoso, unpublished; Ferrández, 1985, 1990). This number, however, is thought to be a severe underestimation of the true figure. It is hoped that the present increased collecting intensity will rectify this.

The spiders presented in this paper were obtained from collections made from various shrubland and forest areas found within the Council of Mafra, in the Estremadura province of north-western Portugal. The localities within the Council boundaries are identified along with the date of capture and a brief description of the main vegetation type of the habitat. The sample sites were located 6-14 km from the Atlantic Ocean at varying altitudes of = 300m a.s.l. The minimum and maximum temperatures recorded during the sampling period were 13.1 °C and 20.7 °C, respectively, with a high temperature of 35.6°C measured in July 2001. Mean annual precipitation level was 529mm (Instituto Nacional de Meteorología e Geofísica, 2001). Unless specified all the spiders were caught by pitfall trapping.

Collections

The material is deposited in the collections of Gillian Telfer (GT), CEABN, Instituto Superior de Agronomía, Tapada da Ajuda, Lisbon, Portugal, Robert Bosmans (RB), Laboratorium voor Ecologie, Ledeganckstraat 35, 9000 Gent, Belgium and Antonio Melic (AM), Avenida Radio Juventud, 37, 50012 Zaragoza, Spain. Classification is as in Platnick (2003).

Abbreviations: f = female, m = male.

ARANEIDAE

Cyrtarachne ixoides (Simon, 1870)

MATERIAL: 1 male (AM).

LOCALITY: Vila Pouca, oak forest, 12.7.01, vegetation beating.

DISTRIBUTION: Mediterranean to Georgia. Only one previous record from Barcelona, Spain (Levy, 1997).

GNAPHOSIDAE

Leptodrassus albidus Simon, 1914

MATERIAL: 3 males (GT & AM).

LOCALITY: Tapada da Mafra, in a grassland area bordering a eucalyptus plantation, on 31.5.02 (1m), 15.6.02 (1m) and 30.6.02 (1m).

DISTRIBUTION: Spain to Crete. Recorded in the eastern half of Spain (Zaragoza, Tarragona and Alicante), with a single western record in Aldealengua, Salamanca (Pérez de San Roman, 1947).

Nomisia celerrima (Simon, 1914)

MATERIAL: 8 males and 1 female (GT, RB & AM).

LOCALITIES: **Juromelo**, shrubland, 16.6.01 (4m, 1f), 30.6.01 (1m) and 12.7.01 (1m); **Mosqueiro da Cima**, shrubland between 16.6.01 (1m) and 12.7.01 (1m).

DISTRIBUTION: Only known from a few records in the south of France and well known from Andorra and Spain. From Spain, it was cited from Catalayud, Granada, Huesca (Pérez, 1985), Málaga and Ronda (Dalmás, 1921). It is also known to have a wide distribution in both Salamanca: Salamanca, Aldearrubia and Martinamor (Jerardino, Fernández & Urones, 1988; Urones, Jerardino & Fernández, 1990; Jerardino, Urones & Fernández, 1991; Urones et al., 1995) and Zaragoza (Melic, 2000). In Andorra it was cited from Encamp and Sant Julia de Loria (Bosmans & de Keer, 1985).

Zelotes medianus Denis, 1935

MATERIAL: 3 males, 56 females (GT, RB & AM).

LOCALITIES: **Bandalhoeira**, eucalyptus plantation, 17.5.01 (1f) and 16.6.01 (1f); **Casais de Ervideira**, eucalyptus plantation, 17.5.01 (1f) and 2.6.01 (1f); **C. do Mato de Cima**, oak forest, 17.5.01 (1f) and 2.6.01 (1f); **Forte do Picolo**, oak forest, 22.4.01 (1f) and 2.6.01 (3f); **Mosqueiro da Cima**, shrubland, 2 specimens by hand collection on 22.4.01 and 5.5.01 (1m and 1f respectively), and 1f by pitfall trapping on 4.8.01; **Murgeira**, pine forest between 22.4.01 (2f), 17.5.01 (2f), 2.6.01 (2f), 16.6.01 (4f), 4.8.01 (1f) and 23.8.01 (1f); **Picanceira**, pine forest, on 22.4.01 (1f), 12.7.01 (1f) and 23.8.01 (1f); **Povoa da Cima**, pine forest, on 2.6.01 (1f) and 16.6.01 (1f); **Serra do Chipre**, 12.7.01 (1f); **Tapada da Mafra**, eucalyptus plantation, samples 16.5.02 (3f), 30.5.02 (1m, 10f) and 15.6.02 (7f); Tapada da Mafra, oak forest, 5.5.01 (1f) and 16.6.01 (1f); Tapada da Mafra, pine forest, 17.5.01 (1f) and 2.6.01 (3f); **Vila Pouca**, oak forest, 16.6.01 (1m).

DISTRIBUTION: This species is only known from its type locality, the island Port Cros in the south-east of France (Denis, 1935). Denis (1935) figured the epigyne and Jézéquel (1962) the vulva, but both in fact refer to the female of *Zelotes dentadidens*. A correct figure of the epigyne was presented by Soyer (1967). It is expected to occur in Spain.

Zelotes reconditus Simon, 1914

MATERIAL: 93 males, 66 females (GT, RB & AM).

LOCALITIES: **Abelheira**, shrubland, between 4.9.01 (2m, 1f), 18.9.01 (4m) and 1.10.01 (1f); **Bandalhoeira**, eucalyptus plantation between 4.8.01 (1m), 21.8.01 (3m, 1f), 4.9.01 (2m), 18.9.01 (3f) and 1.10.01 (7m, 3f); **Casais de Ervideira**, eucalyptus plantation, 4.8.01 (3m) and 4.9.01 (2m, 1f); **C. do Mato de Cima**, oak forest, between 12.7.01 (1m), 4.8.01 (1m), 21.8.01 (4m, 1f), 4.9.01 (2f), 18.9.01 (2f) and 1.10.01 (4m, 5f); **Forte do Picolo**, oak forest, 21.8.01 (2m), 18.9.01 (1f) and 1.10.01 (4f); **Juromelo**, shrubland, 1.10.01 (4m, 3f); **Mosqueiro da Cima**, shrubland, on 2.6.01 (1f), 21.8.01 (1m), 4.9.01 (2m), 18.9.01 (1f) and 1.10.01 (4m, 1f); **Murgeira**, pine forest, 22.4.01 (1f), 4.8.01 (2m), 21.8.01 (3m), 4.9.01 (2m, 1f), 18.9.01 (3m) and 1.10.01 (5f); **Picanceira**, pine forest, on 12.7.01 (1m, 2f), 21.8.01 (5m, 1f), 4.9.01 (3m, 1f), 18.9.01 (1f) and 1.10.01 (1m, 4f); **Povoa da Cima**,

pine forest, on 21.8.01 (2m) and 4.9.01 (1m); **Serra do Chipre**, eucalyptus plantation, 21.8.01 (3m, 1f); **Sobral da Abelheira** eucalyptus plantation, between 4.8.01 (2m), 21.8.01 (1f), 4.9.01 (1m), 18.9.01 (3m) and 1.10.01 (1m, 1f); **Tapada da Mafra**, eucalyptus plantation, 1.10.01 (1f); Tapada da Mafra, oak forest, 21.8.01 (2f) and 1.10.01 (2f); Tapada da Mafra, pine forest, 12.7.01 (1m), 4.8.01 (1m) and 21.8.01 (1m); Tapada da Mafra shrubland (19 spiders were caught by pitfall trapping on 21.8.01 (3m), 4.9.01 (3m, 1f), 18.9.01 (1m, 2f) and 1.10.01 (3m, 6f) and 1f was caught by hand collection on 1.10.01); **Vila Pouca**, oak forest, 1.10.01 (1f).

DISTRIBUTION: Recently redescribed by Di Franco (2002) and the identification is based on the figures of this author. She cites the species from the eastern French Pyrénées and the Alpes Maritimes in France and from Central Italy and Sicily in Italy. Expected to occur in Spain.

LINYPHIIDAE

Erigonoplus castellanus (O. P.- Cambridge, 1875)

MATERIAL: 4 males, 2 females (GT & RB).

LOCALITIES: **Tapada da Mafra**, shrubland, by pitfall trapping on 22.4.01 (1m), 5.5.01 (1m, 1f), 21.8.01 (1m) and 4.9.01 (1m) and by hand collection on 5.5.01 (1f).

DISTRIBUTION: Only known from the type locality: Aranjuez in Spain (O.P.-Cambridge, 1875). The species was excellently redescribed by Millidge (1975).

Impropyphantes decolor (Westring, 1861)

MATERIAL: 2 males (GT & RB).

LOCALITIES: **Tapada da Mafra**, eucalyptus plantation, 31.5.02 (1m); Tapada da Mafra, grassland, 30.5.02 (1m).

DISTRIBUTION: Europe, North Africa. Only one record from Spain: Navarra, Alsasua (Simon, 1881).

Lepthyphantes ollivieri Denis, 1957

MATERIAL: 29 females (GT & RB).

LOCALITIES: **Murgeira**, pine forest, (1f) by sweep netting on 30.6.01, and the remainder by vegetation beating, 6.5.01 (1f), 17.5.01 (1f) and 16.6.01 (1f); **Povoa da Cima**, pine forest, 22.4.01, vegetation beating (1f); **Tapada da Mafra**, eucalyptus plantation, 30.6.01 (1f) and 23.8.01 (1f), vegetation beating; Tapada da Mafra, eucalyptus and grassland areas, on 16.5.02 (6f), 30.5.02 (8f) and 15.6.02 (6f) by sweep netting and vegetation beating; Tapada da Mafra, oak forest, 4.9.01, vegetation beating (1f); Tapada da Mafra, shrubland, 5.5.01, vegetation beating (1f).

DISTRIBUTION: Only known from the type locality in the French Pyrenees (Denis, 1957).

Maso sundevalli (Westring, 1851)

MATERIAL: 1 female (RB).

LOCALITY: **Tapada da Mafra**, eucalyptus plantation, 16.5.02, sweep netting.

DISTRIBUTION: A Holarctic species whose presence in Portugal was to be expected. In spite of its ample distribution, it has only a couple of records in Spain, in the province of Barcelona: Montseny and Monserrat (Barrientos & Acaso, 1985; Cuní i Martorell, 1885).

Micrargus laudatus (O. P. – Cambridge, 1881)

MATERIAL: 1 male (RB).

LOCALITY: **Tapada da Mafra**, eucalyptus plantation, 31.5.02 (1m).

DISTRIBUTION: Mainly west and central Europe. In Spain,

it was cited from the Pyrenees: Huesca, Jaca (Duffey, 1983).

***Minicia elegans* Simon, 1894**

MATERIAL: 6m, 19f (GT & RB).

LOCALITIES: **Abelheira**, shrubland, 1.10.01, sweep netting (1m); **Bandalhoeira**, eucalyptus plantation, 4 spiders collected by sweep netting on 2.6.01 (1f), 30.6.01 (1f), 4.9.01 (1f) and 1.10.01 (1m) and 1m by vegetation beating on 18.9.01; **Forte do Picolo**, oak forest, 1.10.01, vegetation beating (1m); **Mosqueiro da Cima**, shrubland, (1f) by vegetation beating on 5.5.01 and (2m) by sweep netting on 30.6.01 and 12.7.01; **Povoa de Cima** pine forest, (5 specimens collected by sweep netting on 5.5.01 (2f), 16.6.01 (1f) and 1.10.01 (2f), 4f collected by vegetation beating on 17.5.01 (1f) and 4.8.01 (3f); **Sobral de Abelheira**, eucalyptus plantation, 28.5.01, vegetation beating (1f); **Tapada da Mafra**, oak forest, (2f) collected by sweep netting on 30.6.01 and 18.9.01, and (1f) by vegetation beating on 18.9.01; Tapada da Mafra, shrubland, 18.9.01, sweep netting (1f); **Vila Pouca**, oak forest, 1.10.01, vegetation beating (1f).

DISTRIBUTION: Only known from the type locality in Algeria (Simon, 1894), and only the female is known. Denis (1965) redescribed the female but the male remains unknown. Several males were present in our material and it will be described by RB, together with new material from Algeria.

***Neriene montana* (Clerck, 1757)**

MATERIAL: 2 females (RB & AM).

LOCALITY: **Tapada da Mafra**, shrubland, 17.5.01, hand collection (2f).

DISTRIBUTION: A Holarctic species, rarely collected in the Mediterranean region. In Spain it has been cited from Andalucía: (Helsdingen, 1969); Asturias: La Felguera, Vega and San Pedro (Franganillo Balboa, 1910); Islas Baleares, Mallorca (Bristowe, 1939). It was expected to occur in Portugal in cool forest.

***Pocadicnemis jacksoni* Millidge, 1976**

MATERIAL: 2 females (GT & RB).

LOCALITY: **Bandalhoeira**, eucalyptus plantation, 2.6.01, sweep netting (2f).

DISTRIBUTION: This species was described from the female, and was only known from the French Pyrénées (Millidge, 1976), being cited thereafter from the same region by Ledoux *et al.* (1996). In the Iberian Peninsula, it has been recorded in the North-east and Central mountain ranges: Andorra.- Andorra la Vella: Santa Coloma (Barrientos & Puyade-Villar, 1999); Sant Julia de Loria: (Bosmans & de Keer, 1985). In Spain: Sierras de Gredos, Béjar y Francia (Majadas & Urones, 2002); Barcelona: El Vilar de Castanya, Macizo del Montseny (Espuny, Barrientos & Ascaso, 1993); Huesca: Jaca (Duffey, 1983); Tarragona: Capsanes (Pérez de San Román, 1947). Surprisingly it has also been cited from China (Gao & Zhu, 1990; Song *et al.*, 1999), but in our opinion this should be confirmed by the discovery of the still unknown male.

***Pocadicnemis pumilla* (Blackwall, 1841)**

MATERIAL: 1 female (RB).

LOCALITY: **Tapada da Mafra**, eucalyptus plantation, 31.5.02 (1f).

DISTRIBUTION: A Holarctic species. Its presence in Portugal was expected.

***Trichoncus aurantiipes* Simon, 1884**

MATERIAL: 1 female (RB).

LOCALITY: **Tapada da Mafra**, pine forest, 30.6.01 (1f).

DISTRIBUTION: Simon (1884) described this species from Algeria, and cited it also from Tunisia (Simon, 1885); Denis (1968) reported it from Morocco, and Orghidan *et al.* (1975) from the Balears, Mallorca. It is cited here for the first time from continental Europe.

LYCOSIDAE

***Pardosa italica* Tongiorgi, 1966**

MATERIAL: 1 female (RB).

LOCALITY: **Tapada da Mafra**, eucalyptus plantation, 16.5.02 (1f).

DISTRIBUTION: Palearctic, from west Italy to east China. First record for west Europe.

***Trabaea paradoxa* Simon, 1876**

MATERIAL: 1 male (RB).

LOCALITY: **Tapada da Mafra**, grassland, 31.5.02 (1m).

DISTRIBUTION: Southern Europe, Algeria (Denis, 1937). In Spain, it was cited from Barcelona: Montseny, El Brull (Barrientos, 1987). Its presence in Portugal was expected.

SALTICIDAE

***Salticus confusus* Lucas, 1846**

MATERIAL: 1 male, 6 females (GT & RB).

LOCALITIES: **Tapada da Mafra**, eucalyptus and grassland area, 30.5.02 (1f) and 16.6.02 (1m), sweep netting; Tapada da Mafra, oak forest, 12.7.01, vegetation beating (1f); Tapada da Mafra, shrubland, 5.5.01, sweep netting (1f); **Forte do Picolo**, oak forest, 2.6.01, sweep netting (1f); **Vila Pouca**, oak forest (1f collected by sweep netting on 30.6.01, the other female by pitfall trapping on 4.8.01).

DISTRIBUTION: A rare west-Mediterranean species, known from Algeria, Corsica and one locality in Spain: Cadiz (Simon, 1868).

***Synageles hilarulus* (C. L. Koch, 1846)**

MATERIAL: 2 males, 2 females (GT & RB).

LOCALITY: **Tapada da Mafra**, grassland, 16.5.02 (2f), 30.5.02 (2m).

DISTRIBUTION: Palearctic, rare in the Mediterranean region and not yet cited from Spain.

***Talavera westringi* (Simon, 1868)**

MATERIAL: 13 males (GT & RB).

LOCALITIES: **Abelheira**, shrubland, 16.6.01 (1m); **Bandalhoeira**, eucalyptus plantation, 17.5.01 (1m); **Tapada da Mafra**, grassland bordering a eucalyptus plantation, 30.5.02 (3m) and 15.6.02 (6m); **Mosqueiro da Cima**, shrubland, 17.5.01 (2m).

DISTRIBUTION: Mainly a Central European species, rare in the Mediterranean region. It was mentioned from Spain by Simon (1868), however was not listed by Morano (2000) in his catalogue of Spanish spiders.

THERIDIIDAE

***Enoplagnatha quadripunctata* Simon, 1884**

MATERIAL: 2 males (GT & RB).

LOCALITIES: **Tapada da Mafra**, eucalyptus plantation, 30.5.02 (1m); Tapada da Mafra, grassland, sample 30.5.02 (1m).

DISTRIBUTION: Occurring all over the Mediterranean region; mentioned once from Portugal from the Algarve by Bosmans & Van Keer (1999).

***Theonoe minutissima* (O. P. Cambridge, 1879)**

MATERIAL: 1 female (RB).

LOCALITY: Tapada da Mafra, grassland, 16.5.02 (1f).

DISTRIBUTION: A western and central European species, rarely collected in the Mediterranean region. In Spain mentioned from Barcelona: Montseny (Barrientos & Ascaso, 1985) and Gerona: Ripoll (Denis, 1962).

ZORIDAE

***Zora manicata* Simon, 1878**

MATERIAL: 2 males (GT).

LOCALITY: Tapada da Mafra, in grassland bordering a eucalyptus plantation, on 17.5.02 (1m) and 31.5.02 (1m).

DISTRIBUTION: A central and southern European species. In the Iberian Peninsula it was cited from the Pyrenees: Andorra: La Massana (Bosmans & de Keer, 1985) and Huesca: Jaca, San Juan de la Pe (Urones, 1985) and from the North-west: Central system (Urones & Puerto, 1988), Zamora: Pereruella, Sogo (Barrientos & Urones, 1985). Its presence in Portugal was expected.

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