

NEW RECORDS OF DERMESTIDAE (COLEOPTERA) FOR SPAIN AND EUROPE

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Abstract: *Orphilus beali* Zhantiev, 2001 is recorded for the first time from Spain; the African species *Anthrenus (Anthrenops) bellulus* Chobaut, 1897 ssp. *ornatus* Kocher, 1955 is recorded for the first time from Europe. New Spanish records of another five species of the family Dermestidae are given.

Key words: Coleoptera, Dermestidae, *Orphilus*, *Anthrenus*, *Anthrenops*, new records, Spain, Europe.

Nuevas citas de Dermestidae (Coleoptera) de España y Europa

Resumen: Se citan por primera vez para España *Orphilus beali* Zhantiev, 2001 y *Anthrenus (Anthrenops) bellulus* Chobaut, 1897 ssp. *ornatus* Kocher, 1955. Esta segunda especie se cita por primera vez para la fauna de Europa. Se añaden nuevos registros españoles de otras cinco especies de la familia Dermestidae.

Palabras clave: Coleoptera, Dermestidae, *Orphilus*, *Anthrenus*, *Anthrenops*, nuevas citas, España, Europa.

The family Dermestidae is one of the small families of the Coleoptera that have been poorly studied in Spain, and there are few contributions devoted exclusively to this family. The Iberian fauna was catalogued by De la Fuente (1930) and few posterior Iberian works about this group have been published. Plata Negrache (1972a) added two species and (1972b) published a key to the genera and subgenera of the Iberian and Canarian fauna. Plata Negrache (1971) revised the Iberian fauna but unfortunately this study has never been published. Compte (1974) published notes on the biology of *Attagenus megatoma* (Fabricius, 1798) and a key to the Spanish species of the genus *Attagenus* Latreille, 1802. Gamarra and Outerelo (1992) added one species, subfamily and genus (previously recorded by De la Fuente, 1931 (pp. 64)) and Outerelo and Gamarra (1996) one species and subgenus. López-Colón & Alonso Zarazaga (1995) published new records of *Thyrodrius contractus* Motschulsky, 1839. Háva (1999) described a new species, *Dermestes hankae*, living in Spain and France, and Alonso Zarazaga (1999) published on the Internet a check list of the Iberian species, including the Thorictinae. The last contribution to the Iberian Dermestidae was published recently, in the previous issue of this journal, (Herrmann & Bahillo, 2003). With all the published data and the two new records of *Orphilus beali* and *Anthrenus (Anthrenops) bellulus ornatus* the Iberian fauna of Dermestidae includes 95 species belonging to 13 genera.

The catalogue of the Iberian Dermestidae is far from being complete, as this family is poorly studied and collected by Iberian entomologists, also because of the problematic taxonomical situation of some dermestid groups like, particularly, the former *Attagenus* subgenus *Telopes* Redtenbacher, 1843 and the *pimpinellae*-group of the genus *Anthrenus* Geoffroy, 1762.

The first author would be happy to receive any relevant material from the Iberian Peninsula for identification, in order to complete the geographical distribution of many species and the fauna of the Iberian Dermestidae.

Those interested in this family of the Coleoptera may visit the web page www.Dermestidae.com, where they can find photos of around 300 different dermestid species, including all the species known from the Iberian Peninsula.

Orphilus beali Zhantiev, 2001 (fig. 1-2)

The genus *Orphilus* Erichson 1846 contains one fossil and four extant species, two of them living in the Palaearctic region. Up to now only one species, *Orphilus niger* (Rossi, 1790) had been recorded from Spain (De la Fuente, 1930, Plata Negrache, 1972b). In this paper we record *Orphilus beali* Zhantiev, 2001 for the first time from Spain. This species has been described recently and looks extremely similar to *Orphilus niger* (Rossi, 1790) but differs in the shape of the male genitalia (see figs. 2, 3).

The species seems to have mainly a north Mediterranean distribution and up to now it had been recorded only from Cyprus, France, Greece, Turkey, Israel, Lebanon and Syria.

The systematic position of the subfamily Orphilinae is problematic and has been discussed by several authors (see Ivie, 2002 for the details). Ivie (2002) has transferred this subfamily to the family Nosodendridae, a decision which has not been accepted by Kingsolver (2002) or in the recent world catalogue of the Dermestidae (Háva, 2003). MATERIAL STUDIED: Several specimens of this species were collected by Manuel Baena on 07.07.2002 in JAÉN, Siles, Nacimiento del Río San Blas. They were collected at flowers of *Daucus carota* growing on the sides of a forest track in a mixed forest of *Pinus* and *Quercus*.

***Anthrenus (Anthrenops) bellulus* Chobaut, 1897 ssp. ornatus Kocher, 1955** (fig. 4)

The subgenus *Anthrenops* Reitter, 1881 of the genus *Anthrenus* includes 11 species and occurs in the whole world with the exception of Australia.

Anthrenus bellulus Chobaut 1897 is divided into two subspecies, *A. bellulus bellulus* Chobaut, 1897, which occurs in Algeria, and *A. bellulus ornatus* Kocher, 1955, found in Morocco. We record ssp. *ornatus* for the first time from Spain and Europe.

MATERIAL STUDIED: On 21.07.2001 Manuel Baena collected in CÓRDOBA, Zuheros, road from Luque to Doña Mencía, Zuheros junction, a couple of specimens of this species from *Daucus carota*. The locality is surrounded by olive crops and the plants were in road ditches, together with typical ruderal vegetation.

***Attagenus trifasciatus* (Fabricius, 1787)**

JAÉN: Siles, Pozo Romero, 07.07.2002, 6 specimens, M. Baena leg.

***Attagenus cf. similis* (Mulsant & Rey, 1868)**

CÓRDOBA: Hornachuelos, Ruta del río Guadalora, 27.05.2002, 1 specimen, M. Baena leg.

***Attagenus unicolor* (Brahm, 1791)**

CÁDIZ: Chiclana, Camila, 29.02.2002, 1 specimen, ex *Quercus suber*, P. Coello leg.

***Attagenus obtusus* (Gyllenhal, 1808)**

CÁDIZ: Chiclana, Camila, 09.03.2002, 1 specimen, P. Coello leg.

***Trogoderma inclusum* LeConte, 1854**

CÓRDOBA: Córdoba, 04.07.2002, 1 specimen, at home, M. Baena leg.

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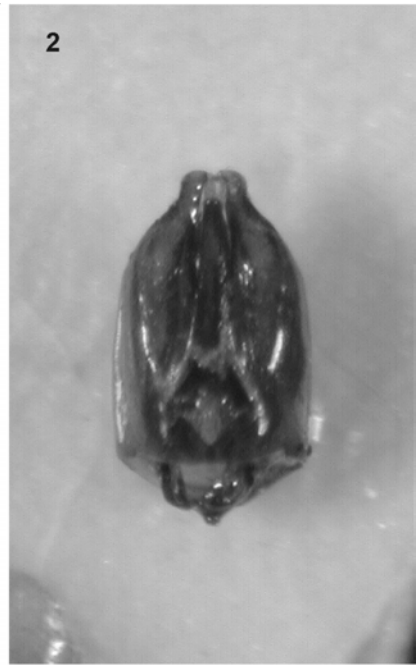


Fig. 1. *Orphilus beali* Zhanatiev, 2001
Fig. 2. *Orphilus beali* (male genitalia)



Fig. 3. *Orphilus niger* (male genitalia)
Fig. 4. *Anthrenus bellulus* ssp. *ornatus* Kocher, 1955