

SOME DIPTERANS COLLECTED IN CAVES (DIPTERA: HELEOMYZIDAE AND SPHAEROCERIDAE)

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Abstract: New data on 8 dipterans collected in caves are presented. Worthy of note is the capture of *Eccoptomera sanmartini* Czerny and *Acantholeria vockerothi* Hackman, as they are extremely rare species.

Key words: Diptera, Heleomyzidae, Sphaeroceridae, caves, Spain.

Algunos dípteros capturados en cuevas (Diptera: Heleomyzidae y Sphaeroceridae)

Resumen: Se presentan datos nuevos de captura de 8 especies de dípteros capturados en cuevas. Cabe destacar las capturas de *Eccoptomera sanmartini* Czerny y *Acantholeria vockerothi* Hackman por ser especies extremadamente raras.

Palabras clave: Diptera, Heleomyzidae, Sphaeroceridae, cuevas, España.

During last decades one of us (OE) captured abundant entomological material in many caves in Spain, mainly in Catalonia. One of the most abundant groups were dipterans. The result of the examination of a little sample of this material was published in CARLES-TOLRÁ (1990). Following the survey of this material the first author (MCT) studied a little but very interesting sample of dipterans. Little because the number of specimens is only of 24 but very interesting because among the 8 species determined (belonging to the families Heleomyzidae and Sphaeroceridae) two are extremely rare. It is also standing out the extension of the geographical distribution of Spanish species.

All the material except one specimen was seized directly with an aspirator, and is deposited in the "Museu de Zoologia de Barcelona" if something else is not pointed out.

HELEOMYZIDAE

Acantholeria vockerothi Hackman, 1969

Huesca: Hecho, Cueva F-180, 3.viii.1997 3&&, 5.viii.1998 1% 2&&, Escolà leg., 1% 2&& in Carles-Tolrá col.

Very interesting species which was not found anymore since it was described by HACKMAN (1969) with 1 male and 4 females from Sierra Nevada (Granada). This new material represents the second collection of the species and the first for Aragón. It is mentioned from caves for the first time.

Eccoptomera sanmartini Czerny, 1924

Huesca: Hecho, Cueva F-180, 8.viii.1997 1&, Escolà leg., Carles-Tolrá col.

Very interesting capture not found anymore since its description by CZERNY (1924) with a single specimen collected in the Italian Alps. This new collection is the second finding of this species and the first for Spain. It is mentioned from caves for the first time.

Gymnomus caesius (Meigen, 1830)

Huesca: Hecho, Cueva Fang: F-168, 7.viii.1997 1&, Escolà leg. Common species in caves. New species for Aragón.

Gymnomus ceianui (Martinek, 1985)

Huesca: Hecho, Cueva Fang: F-168, 7.viii.1997 2%% 1&, Escolà leg. Common species in caves. New species for Huesca province.

Heteromyza atricornis Meigen, 1830

Huesca: Beranui, Cueva Celleret del Ramon, 31.iii.1997 1&, Escolà leg. Common species in caves. New species for Aragón.

SPHAEROCERIDAE

Crumomyia roserii (Rondani, 1880)

Huesca: Beranui, Cueva Celleret del Ramon, 31.iii.1997 1&, Escolà leg.

Common species in caves. New species for Aragón.

Crumomyia sp.

Huesca: Tella-Sin, Cueva C-61, Escuaín massif, 6.viii.1991 – 7.viii.1998 1&, Alfambra et Escolà leg.

It is to remark that the specimen was collected using a pitt-fall trap baited with beer which was acting during 7 years continuously. This trap should have been collected at summer 1992 but different problems and difficulties prevented G.E.B. (Grup d'Espeleologia de Badalona) the recollection during all that years. Unfortunately, it has been impossible to determine at specific level due to its bad conservation and the fact that it is a female.

Leptocera caenosa (Rondani, 1880)

Gipuzkoa: Anoeta, Cueva Ezkiita, 14.vii.1998 1&, Salgado, Fresneda, Escoll et Escolà leg.

Common species in caves and burrows of little mammals. New species for Basque Country.

Terrilimosina racovitzai (Bezzi, 1911)

Gipuzkoa: Anoeta, Cueva Ezkiita, 14.vii.1998 4%% 5&&, Salgado, Fresneda, Escoll et Escolà leg.

Common species in caves. New Genus and species for Basque Country.

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