

## POORLY RECORDED SYRPHIDAE (DIPTERA) FROM SPAIN INCLUDING SPECIES NEW TO ITS FAUNA

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**Abstract:** A series of records of hoverflies (Diptera: Syrphidae), either poorly-recorded or new to Spain, are provided. The material was collected by the author during three trips to Spain, from 1991 to 2001.

**Key words:** Syrphidae, new records, Spain.

**Sírfidos (Diptera, Syrphidae) poco conocidos de España, incluyendo especies nuevas para su fauna**

**Resumen:** Se ofrecen datos sobre especies de sírfidos (Diptera: Syrphidae) poco citadas y especies nuevas para España. El material fue recolectado por el autor durante tres estancias en España, entre 1991 y 2001.

**Palabras clave:** Syrphidae, citas nuevas, España.

This note presents data about new and poorly-recorded Syrphidae species from Spain. Specimens were collected by entomological-handnet during three visits to Spain. The first trip took place in May 1991, the second in May 1998 and the last in June 2001.

Most of the specimens are deposited in the author's private collection. When the specimens are in a different collection, its name is given.

The following references have been used to check the occurrence of the listed species for Spain: Carles-Tolrá (2004, 2006), Gil Collado (1930), Marcos-García *et al.* (1998, 2002, 2007), Speight *et al.* (2008).

### Species account and material examined

- *Cheilosia frontalis* Loew, 1857  
1f, 13.V.1991, Huesca, Canfranc-Estación, UTM 30T0703-4737, +1200m.
- *Cheilosia insignis* Loew, 1857  
1f, 13.V.1991, Huesca, Canfranc-Estación, UTM 30T0703-4737, +1200m.
- *Cheilosia laticornis* Rondani, 1857  
1m, 11.V.1998, Girona, Estación de Maçanet-Massanes, UTM 31T0472-4624.
- *Cheilosia mutabilis* (Fallén, 1817)  
1m + 1f, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.
- *Cheilosia paralobi* Malski, 1962  
2m + 1f, 13.VI.2001, Salamanca, Béjar, río Cuerpo de Hombre, UTM 30T0262-4474.
- *Cheilosia soror* (Zetterstedt, 1843)  
1m, 11.V.1998, Girona, Estación de Maçanet-Massanes, UTM 31T0472-4624.
- *Chrysogaster virescens* Loew, 1854  
1f, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.
- *Chrysotoxum octomaculatum* Curtis, 1837  
2m, 13.VI.2001, Salamanca, Béjar, río Cuerpo de Hombre, UTM 30T0262-4474.
- *Dasysyrphus pauxillus* (Williston, 1887) sensu Doczkal (1996)  
1f, 13.V.1991, Huesca, Canfranc-Estación, UTM 30T0703-4737, +1200m. The identification of this specimen has been verified by D. Doczkal in 2009. **New to the fauna of Spain and the Iberian peninsula.**
- *Eumerus sabulonum* (Fallén, 1817)  
1m, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452. 3m, 13.VI.2001, Salamanca, Béjar, río Cuerpo de Hombre, UTM 30T0262-4474.
- *Merodon avidus* A sensu Milankov *et al.*, 2001  
1m + 1f, 13.VI.2001, Salamanca, Béjar, río Cuerpo de Hombre, UTM 30T0262-4474.
- *Merodon bicolor* Gil Collado, 1930  
3m, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.
- *Merodon parietum* Wiedemann in Meigen, 1822  
1m, 19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795.
- *Merodon unicolor* Strobl, 1909  
1m + 2f, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452. 2m, 19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795.
- *Orthonevra brevicornis* (Loew, 1843)  
1m, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.
- *Paragus strigatus* Meigen, 1822  
1m, 7.V.1998, Girona, Palafolls, along river Tordera, UTM 31T0480-4613.
- *Pipizella cantabrica* Claussen, 1994  
1m, 19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795.
- *Pipizella pennina* (Goeldlin de Tiefenau, 1974)  
1m, 19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795.
- *Pipizella zeneggenensis* (Goeldlin de Tiefenau, 1974)  
1m, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.

- *Riponnensia splendens* (Meigen, 1822)  
1m + 1f, 19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795.
- *Volucella elegans* Loew, 1862  
1m, 8.VI.2001, Segovia, La Granja de San Ildefonso, Sierra de Guadarrama, UTM 30T041-452.
- *Xanthogramma dives* (Rondani, 1857)  
1m, 5.V.1998, Girona, Blanes, Jardín botánico, UTM 31T0483-4614. This specimen has been verified by D. Doczkal in 2009.

## Discussion

A female *Cheilosia* has been collected, foraging on a yellow composite flower, in the Pyrenees north of Jaca (1f, 13.V.1991, Huesca, Canfranc-Estación, UTM 30T0703-4737, +1200m, AvE leg & col). It has initially been identified by me as *Ch. kuznetzovae* Skufjin, 1977.

This specimen belongs to a species of the *alpina*-group (Claussen, 1998), closely similar to *subpictipennis* Claussen, 1998. Because of the shorter pilosity of tergite 3, scutellum and basal half of femur 3, it is clear that it is not this species, but probably *kuznetzovae* (pers. comm. Mr. Claus Claussen). Since the latter is a poorly known species, the known variability of *Cheilosia*-species and the fact that it has been collected far away from its known range, it cannot be excluded that this may be another, yet undescribed species. Therefore the status of this specimen stays unconfirmed until a male specimen proves otherwise.

*Dasysyrphus pauxillus* is not only new to Spain, but to the Iberian peninsula as well. Combining the datamaps of Faunaeuropaea ([www.faunaeuropaea.org](http://www.faunaeuropaea.org)) and the Syrphidae of France interactive database (<http://syrfid.ensat.fr/>) it shows that this species has a north-eastern distribution within Europe. The nearest departments where it has been collected in France are four alpine departments near the borders of Switzerland and Italy.

The species *Merodon bicolor* has been recently reinstated. Gil Collado described it as a variety of *M. spinipes* in 1930. Milankov *et al.* (2009) proved its identity and considered it as an endemic species on the Iberian peninsula.

Specimens of the genus *Xanthogramma*, previously identified by me as *pedissequum*, have been sent to Dr. D. Doczkal. One male, from Blanes, has been identified as *X. dives*. Another male has been identified as cf. *stackelbergi* (Violovitsh) (19.VI.2001, Gipuzkoa, Donostia (San Sebastián), Igueldo, UTM 30T0576-4795).

Speight (2008) wrote about *X. stackelbergi*: 'the description of this species is based on a solitary male from the St Petersburg region of European Russia. The female remains undescribed (...). From the information provided (...) there would be no reliable way of separating this species from the taxon referred to in the present text as *X. dives*.' Marcos-García *et al.* (2002) do not list *X. dives*. Speight (2008) does, but based on yet unpublished data from a trip in the year 2003 (Doczkal & Ssymank (in prep.)).

Gil Collado (1930) acknowledged the occurrence of *X. dives* as a variety of *X. ornatum* (Meigen) and provided a list of 19 locations where it has been published from.

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