

PULICIPHORA CALIX SP.N.: A NEW PHORID SPECIES FROM ANDORRA (DIPTERA: PHORIDAE)

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Abstract: A new phorid species of the genus *Puliciphora* Dahl, namely *P. calix* sp.n., is described from Andorra. It is the third species of this genus known from Europe.

Key words: Diptera, Phoridae, *Puliciphora calix*, new species, Andorra.

***Puliciphora calix* sp.n.: una especie nueva de fórido de Andorra (Diptera: Phoridae)**

Resumen: Se describe una especie nueva de fórido del género *Puliciphora* Dahl, a saber *P. calix* sp.n., de Andorra. Es la tercera especie de este género conocida de Europa.

Palabras clave: Diptera, Phoridae, *Puliciphora calix*, especie nueva, Andorra.

Taxonomy / Taxonomía: *Puliciphora calix* sp.n.

Introduction

Following the study of the family Phoridae of Andorra (Carles-Tolrà, 2007, 2010; Carles-Tolrà and García Romera, 2011) we show, in this paper, a new species for science of the genus *Puliciphora* Dahl, 1897, a cosmopolitan phorid genus with more than 70 described species.

The specimens come from the dipterological material collected by J. Pujade Villar with a Malaise trap placed in Santa Coloma at the end of 1992 and during the whole year in 1993 (for more detail the paper by Durán-Alarcón *et al.*, 1998 must be consulted). During this time period only 4 specimens (all males) were caught: two in 1992 and another two in 1993. In the first paper by Carles-Tolrà (2007), the specimens of 1993 were identified as *P. rufipes* Silva Figueroa, 1916. A few years later, studying the two specimens of 1992, it was seen that they belonged to the same species, but not to *P. rufipes*, but to a possible new species. Therefore, such identification was rectified in the paper by Carles-Tolrà (2010). Recently, thanks to the paper by Disney and Michailovskaya (2001) and Yang & Wang (1993) we confirm that they belong to a new species for science and it is described next.

After *P. borinquenensis* Wheeler, 1906 and *P. rufipes* Silva Figueroa., 1916, it is the third European species of this genus.

***Puliciphora calix* sp.n.**

DESCRIPTION:

A brown species.

Head brown, gena paler. Frons haired. Eyes well developed, oval, oblique, pear-shaped. Third antennal segment brown and round, spheric, SPS vesicles present (not counted); arista micropubescent. Palpus light brown, with a row of short bristles. Proboscis short, yellowish. Chaetotaxy: 2 SA, 1 A, 0 AL, 0 ML, 1 PO, 1 PL, 1 O bristles; PO approximately level with anterior ocellus and situated in front of posterior ocelli.

Thorax brown. Scutum uniformly with short hairs. Scutellum with an anterior pair of hairs and a posterior pair of bristles. Mesopleural furrow distinct, well visible. Chaetotaxy: 0 humeral, 3(4) notopleurals, 1 intra-alar, 1 postalar, 1 prescutellar dorsocentral bristle; propleura with a bristle just below spiracle.

Wing membrane brownish, veins brown. Vein 2 absent. Costal index = 0.43-0.48, costal ratios = 1.10-1.25:1. Haltere brown.

Legs brownish-yellowish. Fore tarsus: segments 1-3 with a posterodorsal hair palisade; segment 4 slightly shorter than 5. Mid- and hind tibiae with a ventroapical spur. Hind basitarsus posteriorly with 6-7 transverse combs.

Abdomen (tergites) brown, tergites with short hairs. Venter membranous (sternites absent), yellowish, bare.

Hypopygium brownish (Fig. 1); hypandrium with a wine glass-shaped sclerotized area (Fig. 2); aedeagus thin, sinuous, apex transparent (Figs. 1-3).

Total body length: 0.87-1.29, wing: 0.93-0.97 mm.

TYPE MATERIAL (4 ♂♂):

Holotype ♂: ANDORRA: Santa Coloma, Vall del Roc de Sant Vicenç, cerca del río d'Enclar (= near d'Enclar river), viii.1992, Malaise trap, 1.050 m a.s.l., J. Pujade Villar leg.

Paratypes: as the holotype but ix.1992 1 ♂, 16-31.vii.1993 1 ♂, 16-31.viii.1993 1 ♂.

Type material preserved in alcohol (70°) and deposited in the private collection of the author.

DISCUSSION: *Puliciphora calix* sp.n. keys out to couplet 12 (*P. fungicola* Yang & Wang, 1993 and *P. tokyoensis* Kinoshita, 1918) in the key by Disney and Michailovskaya (2001), but clearly differs from them by the hypopygium.

BIOLOGY: unknown. The specimens were collected with a Malaise trap near a small river at 1050 m a.s.l.

DISTRIBUTION: hitherto only known from Andorra.

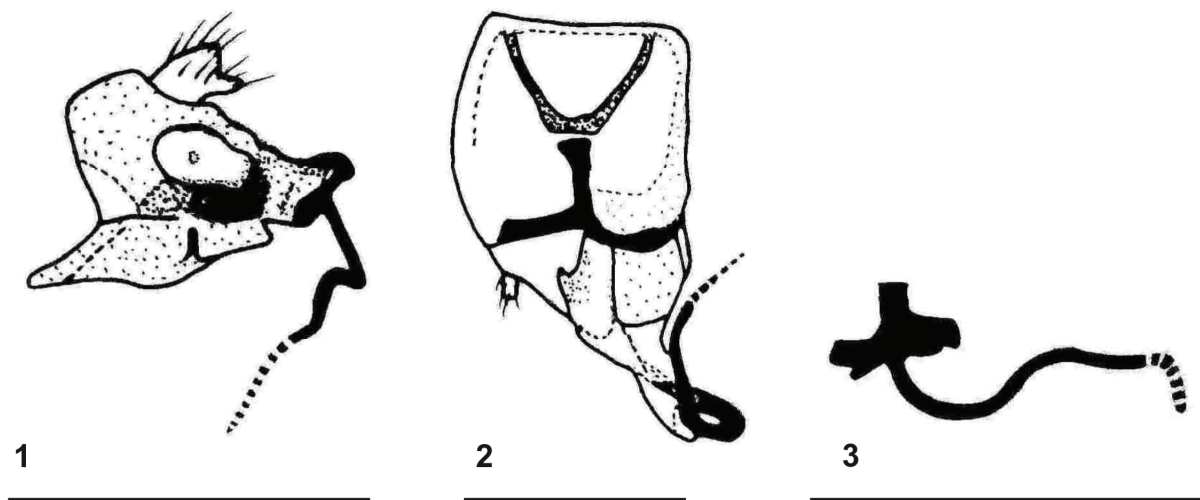


Fig. 1-3. *Puliciphora calix* sp.n.: **1)** hypopygium, lateral view; **2)** hypandrium (hypopygium), ventral view; **3)** aedeagus. Scale bars: 1 and 3 = 200 µm; 2 = 100 µm.

ETYMOLOGY: the specific name refers to the wine glass-shape of the hypandrium (calix = wine glass in Latin).

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