

Nota entomològica

Trachypella nuda Roháček & Marshall, 1986: first record to the palaeartic region (Diptera, Sphaeroceridae)

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Introduction

Following with the study of the Iberian Sphaeroceridae (Carles-Tolrá, 1990a-b, 1993a-b, 1994a-b) the first author studied some interesting new material of the family Sphaeroceridae.

By one hand, Mr. Javier Blasco Zumeta (Zaragoza, Pina de Ebro), during his faunistic study in Retuerta de Pina (Zaragoza, Pina de Ebro) collected a very interesting exemplar of *Trachypella* Duda, 1918.

Likewise, the second author during an ecological study in Parc de Collserola in the province of Barcelona collected two more exemplars of the same species of *Trachypella*, as well as two additional interesting species of Sphaeroceridae, which are also commented. The material has been identified by the first author and is preserved in his private collection.

Material examined

Trachypella nuda Roháček & Marshall, 1986

Barcelona: Barcelona (Parc de Collserola), 1.v.1992 1♀, 4.vi.1992 1♂, collected with interception fly trap, R. Rodríguez leg. Zaragoza: Pina de Ebro (Retuerta de Pina), 11.xi.1990 1♀, collected with Moericke trap, J. Blasco Zumeta leg. It is worth mentioning that the three exemplars have the vein r2+3 attached to the costal vein, this character was initially associated to *T. artivena*. Likewise, both females have the posterior despigmentation of sternite 8 somewhat deeper than as shown in Roháček & Marshall (1986: 38, fig. 51).

Trachypella nuda was initially included in the subgenus *Insulomyia* Papp, 1972, which has been recently put in synonymy under the subgenus *Trachypella* Duda by Marshall & Montagnes (1990). *Insulomyia* included three species: *artivena*

Roháček & Marshall, 1986 (from North Korea), *binuda* Roháček & Marshall, 1986 (from USA: Florida), and *nuda* (from Canada, USA and Hawaii). Therefore, these new findings of *T. nuda* represent the first record of this species to the palaeartic region.

Minilimosina baculum Marshall, 1985

Barcelona: Barcelona (Parc de Collserola), 6.iv.1992 1 ♂, 1.v.1992 1 ♂, both specimens collected with interception fly trap, R. Rodríguez leg. Interesting finding as it represents the second record to Spain and the first record to Catalonia. Previous record was from the province of Huesca (Carles-Tolrá, 1990a). Distribution: Canada, Finland, Great Britain and Spain.

Pullimosina moesta (Villeneuve, 1918)

Barcelona: Barcelona (Parc de Collserola), 1.v.1992 1 ♂, collected with interception fly trap, R. Rodríguez leg. This finding represents the second record of this species to Spain. Previous record was also from the province of Barcelona based on a female exemplar (Carles-Tolrá, 1990b). Distribution: European species.

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References

- Carles-Tolrá, M. 1990a. Catálogo de los Sphaeroceridae de España Peninsular e Islas Baleares (Diptera: Acalyptratae). *Ses. Entom. ICHN-SCL*, 6(1989): 213-220.
- 1990b. New species and records of Sphaeroceridae (Diptera) from Spain. *Entomologist's mon. Mag.*, 126: 33-46.
- 1993a. Algunas especies de dípteros nuevas o interesantes para la Península Ibérica (Diptera, Acalyptratae). *Boln. Asoc. esp. Ent.*, 17(1): 9-18.
- 1993b. A new species of *Geomyza*, with new acalyptrate records to the Iberian Peninsula (Diptera, Acalyptrata). *Historia Animalium*, 2: 49-55.
- 1994a. *Norrbonnia somogyii* (Papp, 1973): a new record to Spain (Diptera, Sphaeroceridae). *Orsis*, 9: 105-106.
- 1994b. Nuevos datos sobre la distribución geográfica de los esfrocéridos en España peninsular (Diptera: Sphaeroceridae). *Boln. Asoc. esp. Ent.*, 18(3-4): 41-59.
- Marshall, S.A.; Montagnes, D.J.S. 1990. The Pacific species of *Trachyopella* Duda (Diptera, Sphaeroceridae). *Invertebr. Taxon.*, 3(6): 851-875.
- Papp, L. 1972. New genera and species of Sphaeroceridae (Diptera) from New Guinea. *Acta zool. Acad. sci. hung.*, 18: 101-115.
- Roháček, J.; Marshall, S.A. 1986. The genus *Trachyopella* Duda (Diptera: Sphaeroceridae) of the Holarctic Region. *Monografie III* (1985). 109 p. Mus. reg. Sci. nat. Torino.