

NOTA / NOTE

Micropeplus marietti Jacquelin du Val, 1857, new species for the Iberian Peninsula (Coleoptera: Staphylinidae: Micropeplinae)

Raul Nascimento Ferreira

6 Fairview Dr., Pawcatuck, Connecticut 06379-1223, USA. e-mail: insectcatcher@comcast.net

Abstract: *Micropeplus marietti* Jacquelin du Val, 1857 (Coleoptera: Staphylinidae: Micropeplinae) is recorded for the Iberian Peninsula for the first time, including taxonomic and ecological notes on the subfamily.

Key words: Coleoptera, Staphylinidae, Micropeplinae, *Micropeplus marietti*, Iberian Peninsula, faunistics, first record.

Resumo: *Micropeplus marietti* Jacquelin du Val, 1857, nova espécie para a Península Ibérica (Coleoptera: Staphylinidae: Micropeplinae). Menciona-se *Micropeplus marietti* Jacquelin du Val, 1857 (Coleoptera: Staphylinidae: Micropeplinae) pela primeira vez para a Península Ibérica, incluindo-se notas taxonómicas e ecológicas sobre a subfamília. **Palavras chave:** Coleoptera, Staphylinidae, Micropeplinae, *Micropeplus marietti*, Península Ibérica, faunística, primeiro registo.

Recibido: 23 de abril de 2023
Aceptado: 30 de abril de 2023

Publicado on-line: 4 de mayo de 2023

Classified previously as a separate family but now included in the Omaliinae group of subfamilies within the Staphylinidae Latreille, 1802, Micropeplinae Leach, 1815 is a small subfamily that presently includes six extant genera (Herman, 2001): *Arrhenopeplus* Koch, 1937; *Cerapeplus* Löbl & Burckhardt, 1988, with two species from Thailand and China; the monotypic *Kalissus* LeConte, 1874, that occurs in North America; *Peplomicrus* Bernhauer, 1928, formerly included in *Micropeplus*, which includes 13 species, with a recently described species from Ecuador (JAŁOSZYŃSKI & SAPIEJA, 2023) and is widespread in tropical Africa and Central and South America; *Pseudokalissus* Ryabukhin, 1990, with only one species from Russia; and *Micropeplus* Latreille, 1809, with 82 species and widespread in Oriental, Ethiopian, Palaearctic, Nearctic and Neotropical Regions.

The subfamily occurs among decaying vegetation, leaf litter, fungi, mammal and bird nests, and is characterized by antennae with nine antennomeres, the ninth enlarged into an oval club, pronotum strongly transverse, explanate at sides, prosternum with deep grooves for the reception of the antennae, elytra truncated with longitudinal ridges (CAMPBELL, 1968).

After reporting from Portugal two genera, *Arrhenopeplus* Koch, 1937 and *Micropeplus* Latreille, 1809, and four species, *Arrhenopeplus tessera* Curtis, 1825, *Micropeplus fulvus* Erichson, 1839, *Micropeplus porcatus* (Fabricius, 1792) and *Micropeplus staphylinoides* (Marsham, 1812) (FERREIRA, 2011), only another species, *Micropeplus latus* Hampe, 1861, was recently added from Estremadura to the Portuguese fauna of Micropeplinae (EUSÉBIO *et al.*, 2021).

During the preparation of some material preserved in alcohol from Portugal, it was found a new species for the country, and also for the Iberian Peninsula, which is the subject of this paper.

Material studied:

Micropeplus marietti Jacquelin du Val, 1857 (Figs. 1-2)

PORTUGAL: Beira Litoral, Leiria, Ansião, Avelar, Cabeça Gorda, on a ravine with wild *Primulae* on the bank of a seasonal brook, 12/09/1968, 1♂, R.N. Ferreira leg. and coll. (RNFC).

Fig. 1 illustrates the habitus of the species. Fig. 2 shows the aedeagus in ventral (left) view and lateral view (right). For a complete description of the species see JACQUELIN DU VAL (1857).

Literature cited

CAMPBELL, J.M. 1968. A revision of the New World Micropeplinae (Coleoptera: Staphylinidae) with a rearrangement of the world species. *The Canadian Entomologist*, **100**: 225-267.

EUSÉBIO, R.P., ENGHOFF, H., SOLODOVNIKOV, A., MICHELSEN, A., BARRANCO, P., SALGADO, J.M., SENDRA, A. & REBOLEIRA, A.S.P.S. 2021. Temporal and spatial dynamics of arthropod groups in terrestrial subsurface habitats in central Portugal. *Zoology*, **147**: 125931 (9 pp.).

FERREIRA, R.N. 2011. Contribuição para um catálogo da família Staphylinidae da fauna portuguesa. IV- Os micropeplíneos portugueses. *Boletim da Sociedade portuguesa de Entomologia*, **8(11)**: 193-200.

HERMAN, L.H. 2001. Catalog of the Staphylinidae (Insecta: Coleoptera). 1758 to the end of the second millennium. I. Introduction, History, Biographical sketches, and Omaliine Group. *Bulletin of the American Museum of Natural History*, **265**: 1-650.

JACQUELIN DU VAL, C. 1857. *Manuel entomologique. Généra des coléoptères d'Europe comprenant leur classification en familles naturelles, la description de tous les genres, des tableaux synoptiques destinés à faciliter l'étude, le catalogue de toutes les espèces, de nombreux dessins au trait de caractères et plus de treize cents types représentant un ou plusieurs insectes de chaque genre dessinés et peints d'après nature avec le plus grand soin par M. Jules Migneaux. Tome deuxième.* A. Deyrolle, Paris. 285 + [2] pp. + pls. 1-67.

JAŁOSZYŃSKI, P. & SAPIEJA, M. 2023. A new species of *Peplomicrus* Bernhauer from Ecuador (Coleoptera, Staphylinidae, Micropeplinae). *Zootaxa*, **5239(3)**: 442-450.



Fig. 1. - Habitus of *Micropeplus marietti* Jacquelin du Val, 1857.

Fig. 2. - Aedeagus of *Micropeplus marietti* Jacquelin du Val, 1857. Left, ventral view. Right, lateral view.