

Contribution to the knowledge of the genus *Alevonota* Thomson, 1858 of the Portuguese fauna (Coleoptera: Staphylinidae: Aleocharinae: Geostibini)

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Abstract: A review of the species within the genus *Alevonota* Thomson, 1858 (Coleoptera: Staphylinidae: Aleocharinae: Geostibini) known to occur in Portugal is presented. *Alevonota (Alevonota) elegantula* (Brisout de Barneville, 1863) is reported for the first time for Portugal.

Key words: Coleoptera, Staphylinidae, Aleocharinae, Geostibini, *Alevonota*, faunistics, Portugal.

Resumo: Contribuição para o conhecimento do género *Alevonota* Thomson, 1858 da fauna portuguesa (Coleoptera, Staphylinidae, Aleocharinae, Geostibini). Apresentamos uma revisão das espécies do género *Alevonota* Thomson, 1858 (Coleoptera: Staphylinidae: Aleocharinae: Geostibini) conhecidas por ocorrerem em Portugal. *Alevonota (Alevonota) elegantula* (Brisout de Barneville, 1863) é registada pela primeira vez para Portugal.

Palavras chave: Coleoptera, Staphylinidae, Aleocharinae, Geostibini, *Alevonota*, faunística, Portugal.

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Introduction

Alevonota Thomson, 1858 (Coleoptera: Staphylinidae: Aleocharinae: Geostibini) is a genus with a history of taxonomic confusion because of numerous synonymisations, revalidations, misidentifications and different interpretations of names along the years (Assing & Wunderle, 2008). The same authors also commented that even some zoogeographic data and distribution are unsatisfactory and contradictory and presented the morphological features of the genus, recently moved from the Athetini to Geostibini by Elven *et al.* (2012). According to the Palaearctic Catalogue (Schülke & Smetana, 2015), *Alevonota* was represented in Spain by five species, being two of them also present in Portugal, *Alevonota laeviceps* Brisout de Barneville, 1863 and *Alevonota ocaloides* Brisout de Barneville, 1863. A third species has been added recently to the Portuguese fauna, as a result of a new combination by Assing (2019) who transferred *Homalota hepatica* Erichson, 1839 from the genus *Enalodroma* Thomson, 1859 to the genus *Alevonota*. In this paper, *Alevonota elegantula* (Brisout de Barneville, 1863) is reported for the first time for the country.

Material and methods

The material studied was collected by the author, as a student and in different trips to the country. The preparation of the specimens follows Ferreira (2021). The nomenclature and classification in this study follow that by Schülke & Smetana (2015) and Assing (2019). The morphological study of the materials was conducted using a Wild M5 stereomicroscope and the keys by Assing & Wunderle (2008). All specimens are deposited in the author's collection (cRNF: collection Raul Nascimento Ferreira).

Other collections mentioned below are collection V. Assing (cAss) and collection P. Wunderle (cWun). The new data presented includes **Province**, **District**, **Town**, **Village** and **Place**.

Results

Family STAPHYLINIDAE Latreille, 1802

Subfamily Aleocharinae Fleming, 1821

Tribe Geostibini Seevers, 1978

Genus *Alevonota* Thomson, 1858

Alevonota elegantula (Brisout de Barneville, 1863)

Gamarra & Outerelo (2018) refer this species for Spain, but as *A. elongatula* (sic!). Not reported from Portugal by Schülke & Smetana (2015), in the Iberian Peninsula this species was only known from Gibraltar (Assing, 2017) and Spain (Schülke & Smetana, 2015; Gamarra & Outerelo, 2018).

New Data: **Beira Litoral**, *Coimbra*, Coimbra, Choupal, 4-VI-1962, leg. R.N. Ferreira, 1 ex. (cRNF); *Coimbra*, Coimbra, Pinhal de Marrocos, 19-V-1968, leg. R.N. Ferreira, 2 ex. (cRNF); **Estremadura**, *Setúbal*, Setúbal, Ponta da Arrábida, Mata do Solitário, 25-IV-1969, leg. R.N. Ferreira, 2 ex. (cRNF).

Distribution: Species present in France, Germany, Italy, Poland and Spain, including Gibraltar (Schülke & Smetana, 2015; Assing, 2017). New species for Portugal.

Alevonota hepatica (Erichson, 1839)

As *Enalodroma hepatica* (Erichson, 1839) was reported only from Spain by Schülke & Smetana (2015) and Gamarra & Outerelo (2018). Under the new combination Assing (2019) referred it for Portugal for the first time from Trás-os-Montes e Alto Douro, Tronco, E. Chaves, 41°46'N, 7°18'W, 840 m, meadow, near stone wall, sifted, 22-III-2002, 1♀, leg. Meybohm, (cAss).

Distribution: Widespread in the West Palaearctic region, from the Iberian Peninsula eastwards to Russia, Ukraine, Turkey, Armenia and Iran (Assing, 2019). Also known from South Korea (Lee & Ahn, 2012).

Alevonota laeviceps (Brisout de Barneville, 1863)

Assing & Wunderle (2008) reported this species for the first time for Portugal from Baixo Alentejo, Beja, Alvito, XII-1997, leg. Poot, 1 ex. (cWun). Gamarra & Outerelo (2018) recorded this species from Baixo Alentejo, probably based on Assing & Wunderle (2008).

Distribution: Species present in France, Portugal and Gibraltar (Assing & Wunderle, 2008; Schülke & Smetana, 2015).

Alevonota ocaloides (Brisout de Barneville, 1863)

Assing & Wunderle (2008) revalidated this species and reported it for the first time for Portugal from Beira Alta, S. Manteigas, Serra da Estrela, 40°21'N, 07°34'W, 1070 m, 19-III-2002, 1 ex., leg. Meybohm (cAss); Serra da Estrela, 1 ex. (NHMW); Alto Alentejo, Serra de S. Mamede, Marvão, 39°24'N, 07°26'W, 570 m, chestnut litter sifted, 17-III-2002, 1 ex., leg. Meybohm (cAss). Gamarra & Outerelo (2018) mention the species from Beira Alta and Alto Alentejo, likely based on Assing & Wunderle (2008).

Distribution: Species present in France, Portugal and Spain (Schülke & Smetana, 2015).

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