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New and interesting beetle (Coleoptera) records from Portugal (7th note).

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Abstract: This study presents interesting Portuguese records of ten species of Coleoptera, including four novelties for the country's fauna: *Chrysobryrrhulus asturiensis* Allemand, 1997 (Byrrhidae), *Eledonoprius serrifrons* (Reitter, 1890) (Tenebrionidae), *Reesa vespulae* (Milliron, 1939) (Dermestidae), and *Xylotrechus stebbingi* Gahan, 1906 (Cerambycidae), the latter two of allochthonous origin.

Key words: Coleoptera, *Chrysobryrrhulus*, *Eledonoprius*, *Reesa*, *Xylotrechus*, first records, allochthonous species, Portugal.

Resumen: Registros nuevos e interesantes de coleópteros (Coleoptera) de Portugal (7^a nota). Este estudio presenta registros interesantes de diez especies de Coleoptera para Portugal, incluyendo cuatro novedades para el país: *Chrysobryrrhulus asturiensis* Allemand, 1997 (Byrrhidae), *Eledonoprius serrifrons* (Reitter, 1890) (Tenebrionidae), *Reesa vespulae* (Milliron, 1939) (Dermestidae) y *Xylotrechus stebbingi* Gahan, 1906 (Cerambycidae), las dos últimas de origen alóctono.

Palabras clave: Coleoptera, *Chrysobryrrhulus*, *Eledonoprius*, *Reesa*, *Xylotrechus*, primeros registros, especies alóctonas, Portugal.

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Introduction

The present paper is the seventh one dealing with the Portuguese fauna of Coleoptera (see GROSSO-SILVA & DIAMANTINO, 2009 and references therein). Like the previous ones it presents records of beetles collected in continental Portugal which are considered of interest as the species were not previously recorded from the country, they are rare (in the sense that very few records are available), or the existing records are predominantly (or entirely) old.

The order and taxonomic arrangement of the families in this study follow BOUCHARD *et al.* (2011), with the exception of the placement of Coccinellidae within Coccinelloidea (ROBERTSON *et al.*, 2015). The Portuguese collecting sites are presented in the format "DISTRICT: **Municipality**: Locality" and the collecting dates in the format DD-MM-YYYY. Unless otherwise stated, the specimens studied were collected by the author and are deposited in his personal collection. The acronym MHNC-UP stands for Museu de História Natural e da Ciência da Universidade do Porto (Portugal).

Results

Byrrhoidea Latreille, 1804

Byrrhidae Latreille, 1804

***Chrysobryrrhulus asturiensis* Allemand, 1997**

Material examined: VIANA DO CASTELO: **Arcos de Valdevez**: Near Cabeça da Lage (29TNG5739) (Peneda-Gerês National Park), 11-03-1995, 1 specimen, Pedro Ribeiro leg., formerly in the collection of Pedro Ribeiro.

Comments: Described from Alto de Farrapona (type locality), between the Spanish provinces of Asturias and León, with paratypes from both those provinces as well as Lugo (ALLEMAND, 1997) and subsequently only recorded by BASELGA & NOVOA (2004) from three localities in the Fragas del Eume Natural Park (La Coruña province, northern Galicia). New genus for the Portuguese fauna and a considerable expansion of the known range of the species.

Bostrichoidea Latreille, 1802

Dermeestidae Latreille, 1804

***Reesa vespulae* (Milliron, 1939)**

Material examined: PORTO: **Vila Nova de Gaia**: Laborim de Baixo (29TNF3350), 23-06-2019, 1 specimen, on a window inside a house.

Comments: Species described from Minnesota, United States of America (MILLIRON, 1939). In the fourth volume of the *Catalogue of Palaearctic Coleoptera*, HAVÁ (2007) did not include Portugal or Spain in the known European range of the species. No Iberian records were traced in more recent literature, namely HAGSTRUM & SUBRAMANYAM (2009) and HAGSTRUM *et al.* (2013). A very recent contribution, published by HOLLOWAY *et al.* (2019), deserves a special note as it concludes that there are no supported Spanish records of *R. vespulae*. We therefore consider the present record as the first of the monotypic genus *Reesa* Beal, 1967 not only for Portugal but for the whole Iberian Peninsula. According to PEACOCK (1993), *Reesa vespulae* is a synanthropic species found in seeds and insect collections. An insect collection is in fact kept in the house where the specimen was collected; all the entomological boxes in that collection have since been examined and no *Reesa* specimens or damage to the collection were found.

Cleroidea Latreille, 1802

Biphyllidae LeConte, 1861

***Diplocoelus fagi* Guérin-Ménéville, 1844**

Material examined: BRAGANÇA: **Vimioso**: Angueira valley, southwest of Castelo de Algosó (29TQF0192), 16-06-2015, 4 specimens, on bracket fungi growing on *Populus tremula* L., Grosso-Silva & Rui Andrade leg., MHNC-UP collection (2 specimens, MHNCUP/ART/37621, MHNCUP/ART/37622), Grosso-Silva collection (2 specimens).

Comments: There is only one previous record from Portugal, from Fonte do Veado (Setúbal), where the species was collected in 1978 (SERRANO, 1981). Second locality in the country and a considerable extension in the recorded Portuguese range.

Coccinelloidea Latreille, 1807

Coccinellidae Latreille, 1807

***Harmonia quadripunctata* (Pontoppidan, 1763)**

Material examined: PORTO: **Porto**: Porto (city), near the Faculty of Architecture (29TNF3055), 12-05-2010, 1 specimen.

Comments: First recorded from the country in the 1980's, from four central Portuguese localities, namely Évora, Lisbon, Tróia (Grândola), and Malveira da Serra (Cascais) (RAIMUNDO & ALVES,

1986) and subsequently from another site in central Portugal: Ribeira de Caparide (Cascais) (AGUIAR & SERRANO, 1995). The present record expands its known range to the north of Portugal.

***Sospita vigintiguttata* (Linnaeus, 1758)**

Material examined: VISEU: **Castro Daire**: Near Campo Benfeito (29TNF9039), 26-06-2011, 1 specimen, Graça Ferreira leg.

Comments: Recorded from Portugal (without further details) by OLIVEIRA (1893, 1894), subsequently mentioned from Jogueiros (SEABRA, 1939) and more recently from the banks of the river Mondego, in Serra da Estrela (GROSSO-SILVA, 2005).

Tenebrionoidea Latreille, 1802

Tenebrionidae Latreille, 1802

***Eledonoprius serrifrons* (Reitter, 1890)**

Material examined: BRAGANÇA: **Vimioso**: Angueira valley, southwest of Castelo de Algosó (29TQF0192), 16-06-2015, 1♀, on bracket fungi growing on *Populus tremula* L., Grosso-Silva & Rui Andrade leg., MHNC-UP collection (MHNCUP/ART/37623).

Comments: The genus *Eledonoprius* Reitter, 1911 includes two rare and poorly known Western Palaearctic species that are both present in the Iberian Peninsula (CARPANETO *et al.*, 2013). In Iberia, *Eledonoprius serrifrons* was first recorded from the Spanish province of Badajoz (CASTRO TOVAR *et al.*, 2008) and subsequently from the provinces of Salamanca and Cáceres (CARPANETO *et al.*, 2013) and again from Salamanca (RAMÍREZ-HERNÁNDEZ *et al.*, 2015). The ten hitherto known localities of *E. serrifrons* (extending from Spain to Azerbaijan and Armenia) were compiled by SIVILOV & CVETKOVSKA-GORGIEVSKA (2014), to which a subsequent record from Ukraine must be added, which is currently the northernmost for the species (DROGVALENKO, 2016).

Chrysomeloidea Latreille, 1802

Cerambycidae Latreille, 1802

***Xylotrechus stebbingi* Gahan, 1906**

Material examined: AVEIRO: **Santa Maria da Feira**: Pereira - Argoncilhe (29TNF3941), 23-06-2018, 1 specimen, MHNC-UP collection (MHNCUP/ART/37627). PORTO: **Vila Nova de Gaia**: Parque das Tílias - Seixezelo (29TNF3742), 15-07-2018, 1 specimen.

Comments: Asian species previously unrecorded from Portugal. In Europe, it was first recorded from Italy by DIOLI & VIGANÒ (1990) and since then has expanded its range to several other countries. The first Iberian record was presented by RECALDE IRURZUN & SAN MARTÍN MORENO (2015), from Navarra (northern Spain), and additional Spanish records were provided by MAESTRE DEL PERAL *et al.* (2017). The taxonomic identity of the species established in Italy was questioned by VITALI (2004), who attributed the records to *Xylotrechus smei* (Castelnau & Gory, 1841). This issue was later analysed by SAMA (2006), who concluded that the original identification as *Xylotrechus stebbingi* Gahan, 1906 was correct. The specimens recorded in the present contribution were identified with the key presented by SAMA (2006).

***Poecilium alni* (Linnaeus, 1767)**

Material examined: BRAGA: **Terras de Bouro**: Pedra Bela (29TNG7018) (Peneda-Gerês National Park), 13-05-2006, 1 specimen. PORTO: **Vila do Conde**: Ponte do Ave, approx. 5 km east of Vila do Conde (29TNF2678), 17-04-2004, 1 specimen, Bruno Gomes leg.

Comments: Previously recorded from four Portuguese localities: S. Martinho de Anta (Sabrosa) (BARROS, 1896, 1908, 1914), Arestal (Vale de Cambra) (ZUZARTE, 1983), Penamacor (Penamacor) and Caldas de Monchique (Monchique) (VIVES, 1984). First record for the Peneda-Gerês National Park and an extension of the species' known range to the north-west of the country.

***Pyrrhidium sanguineum* (Linnaeus, 1758)**

Material examined: PORTO: **Valongo**: 1,5 km east of Baguim do Monte (29TNF4060), 11-04-2010, 1 specimen, Pedro Sousa leg.).

Comments: Scarcely recorded in Portugal, with only one primary record in the last 50 years. All previously known sites (and the new one alike) are located in the northern part of the country, north of the river Douro: Gerês (Terras de Bouro) (OLIVEIRA, 1891, 1893), Vila Real (BARROS, 1914), Serra do Gerês (Terras de Bouro) (LADEIRO, 1947), S. Martinho de Anta (Sabrosa) (CAMELO, 1949), and Pitões das Júnias (Montalegre) (SOARES-VIEIRA & GROSSO-SILVA, 2003).

Chrysomelidae Latreille, 1802

***Leptispa filiformis* (Germar, 1842)**

Material examined: LISBOA: **Sintra**: Algueirão (29SMC79), 20-05-1961, 1 specimen, L. Ambar leg., Grosso-Silva collection, formerly in the collection of Tristão Branco.

Comments: Previously recorded only once from Portugal, from Paiã (Loures), where it was collected twice, in August 1940 and in June 1946 (CARVALHO, 1950). The occurrence of the species in Portugal is not reflected in the works by WARCHAŁOWSKI (2003) and BOROWIEC & SEKERKA (2010). As a result, the new record presented here, albeit over 50 years old, can be regarded as a confirmation of the presence of *Leptispa filiformis* in the central-western part of continental Portugal and will hopefully stimulate the search for this very rare species. In Spain, according to VELA LÓPEZ & BASTAZO PARRAS (2008), this species is only known from the southern provinces of Cádiz and Málaga, being included by these authors in the "Data deficient" category in the *Andalusian Invertebrate Red Data Book*.

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