

NEW AND INTERESTING BEETLE (COLEOPTERA) RECORDS FROM PORTUGAL (6TH NOTE)

José Manuel Grosso-Silva¹ & Jacinto L. Diamantino²

¹ CIBIO, Centro de Investigação em Biodiversidade e Recursos Genéticos, Universidade do Porto, Campus Agrário de Vairão, 4485-661 Vairão, Portugal – jmgrossosilva@yahoo.com

² Parque Natural da Serra da Estrela, Praça da República, 28; 6270-496 Seia, Portugal – pnse.diamantinoj@icnb.pt

Abstract: Interesting Portuguese records are presented for nine beetle species, including two novelties for the country's fauna: *Grynobius planus* (Fabricius, 1787) and *Ptilinus pectinicornis* (Linnaeus, 1758).

Key words: Coleoptera, Anobiidae, *Grynobius planus*, *Ptilinus pectinicornis*, novelties, interesting records, Portugal.

Registros interesantes de coleópteros (Coleoptera, Anobiidae) de Portugal (6ª nota)

Resumen: Se presentan registros de nueve especies de coleópteros de Portugal continental, dos de las cuales son nuevas para el país: *Grynobius planus* (Fabricius, 1787) y *Ptilinus pectinicornis* (Linnaeus, 1758).

Palabras clave: Coleoptera, Anobiidae, *Grynobius planus*, *Ptilinus pectinicornis*, novedades, registros interesantes, Portugal.

Introduction

The present paper is the sixth contribution dealing with the Portuguese fauna of Coleoptera and as the previous papers (Grosso-Silva, 1999, 2002, 2005b, 2007; Grosso-Silva & Serrano, 2000) it aims to present interesting records of beetles collected in continental Portugal.

Distributional comments refer only to the Portuguese knowledge concerning each species (with municipality and UTM coordinates presented for previously known localities), except in the case of new records for the country. Unless otherwise stated, the specimens studied were collected by the authors and are deposited in the senior author's personal collection. Several species are recorded from Alvão Natural Park (abbreviated as PNAIv, from the Portuguese "Parque Natural do Alvão") and one from Serra da Estrela Natural Park (PNSE, from the Portuguese "Parque Natural da Serra da Estrela").

Results

Acanthocnemidae Crowson, 1964

- *Acanthocnemus nigricans* (Hope, 1845)

MATERIAL EXAMINED: **Boticas:** Beça (29TPG01), 29-07-1999 (1, Ernestino Maravalhas leg.).

COMMENTS: Third Portuguese locality; previously recorded from Anta (Sabrosa, 29TPF16) (Barros, 1913; Fuente, 1931) and very recently from Quinta do Fragusto (Guarda, 29TPE3377) (Grosso-Silva, 2005a).

TOPONYMIC NOTE: Regarding the first Portuguese locality mentioned, a clarification is needed: "Anta" (the name presented by Barros and Fuente) is not an abbreviation or simplification of S. Martinho de Anta as supposed by Alonso Zarazaga *et al.* (2003) (who wrote "[São Martinho de] Anta" when citing Fuente's work) but a small village located roughly 2 km to the northwest of S. Martinho de Anta proper.

Anobiidae Fleming, 1821

- *Grynobius planus* (Fabricius, 1787)

MATERIAL EXAMINED: **Vila Real:** Ribeira do Arnal, north of Galegos da Serra (29TPF0076) (PNAIv), 27-05-2001 (1 ♀).

COMMENTS: New species for the Portuguese fauna and hence first record for Alvão Natural Park. In Spain this species is recorded from the provinces of Cantabria, Guadalajara, Gerona, Guipúzcoa, Huesca, La Coruña, La Rioja, Lérida, Navarra, and Segovia (Español, 1992; López-Colón, 2001; Baselga & Novoa, 2000, 2004; De La Rosa *et al.*, 2005; Martínez de Murguía *et al.*, 2007; Pérez-Moreno & Moreno-Grijalba, 2009).

- *Ptilinus pectinicornis* (Linnaeus, 1758)

MATERIAL EXAMINED: **Mealhada:** Mata Nacional do Buçaco (southeastern part) (29TNE5369), 02-07-2006 (2 ♂, Grosso-Silva & Alonso Zarazaga leg., coll. CIBIO-UP).

COMMENTS: New species for the Portuguese fauna. In Spain this species is recorded from the provinces of Huesca, La Rioja, Navarra, and Segovia (Español, 1992; Murria Beltrán *et al.*, 2003; De La Rosa *et al.*, 2005; Pérez-Moreno & Moreno-Grijalba, 2009).

Atteblidae Billberg, 1820

- *Apoderus coryli* (Linnaeus, 1758)

MATERIAL EXAMINED: **Mondim de Basto:** Ribeira de Fervença, northeast of Ermelo (29TNF9480) (PNAIv), 27-07-2002 (1).

COMMENTS: Second Portuguese record and first for Alvão Natural Park; previously only recorded from Anta (Sabrosa, 29TPF16) by Barros (1896). Despite being from a nearby area in the country, the present record is particularly interesting on account of the absence of data for this species in Portugal throughout the whole 20th century.

Bothrideridae Erichson, 1845

- *Bothrideres interstitialis* Heyden, 1870

MATERIAL EXAMINED: **Vila Real:** To the northeast of Barragem Cimeira (29TPF0179) (PNAIv), 12-05-2001 (1).

COMMENTS: Fourth Portuguese site and first record for Alvão Natural Park. Previously recorded from Gerês (Terras de Bouro, 29TNG62) (Heyden, 1870; Oliveira, 1893; Fuente, 1928), from Barracão (Moimenta da Beira, 29TPF0940) (Mendes, 1959) and from Herdade da Ribeira Abaixo (Grândola, 29SNC31) (Grosso-Silva & Serrano, 2000).

Cantharidae Imhoff, 1856 (1815)

- *Rhagonycha (Rhagonycha) martini* Pic, 1908

MATERIAL EXAMINED: **Manteigas:** Mata do Fragusto (29TPE3175)

(PNSE), 12-04-2005 (1 ♂, Sónia Ferreira & Pedro Sousa leg., coll. CIBIO-UP)

COMMENTS: Second Portuguese site and first record for Serra da Estrela Natural Park. In Portugal, this species was only recorded from Serra de Monchique (Dahlgren, 1972), whereas in Spain it is known from the province of Murcia (Fuente, 1931; Dahlgren, 1972).

Lampyridae Latreille, 1817

• *Phosphaenus hemipterus* (Goeze, 1777)

MATERIAL EXAMINED: **Mondim de Basto**: Bridge over river Olo, northwest of Ermelo (29TNF9280) (PNAIv), 27-05-2001 (1 ♂).

COMMENTS: Fifth Portuguese site and first record for Alvão Natural Park. Previously recorded from Lagares (Penafiel, 29TNF5253) by Barros (1927), Cabeça (Seia, 29TPE0664) by Grosso-Silva (2002), Gondão (Trofa, 29TNF3669) by Grosso-Silva (2005b), and Avintes and Gaia Biological Park (both in Vila Nova de Gaia, 29TNF34) (Geisthardt *et al.*, 2008; Grosso-Silva & Soares-Vieira, 2009).

Mycetophagidae Leach, 1815

• *Mycetophagus (Ulolendus) piceus* (Fabricius, 1777)

MATERIAL EXAMINED: **Rio Maior**: Barbete (south of Marinhas do Sal da Fonte da Bica) (29SND0556), 14-11-2008 [1, Grosso-Silva & Soares-Vieira leg., on fungus on the bark of a living *Olea europaea* L. (Oleaceae)].

COMMENTS: Fourth Portuguese site; previously recorded from S. Martinho de Anta (Sabrosa, 29TPF16) and Penamaior (Paços de Ferreira, 29TNF47) by Barros (1926) and from Buçaco (Penacova, 29TNE56) by Fuente (1928).

Nitidulidae Latreille, 1802

• *Cychramus luteus* (Fabricius, 1787)

MATERIAL EXAMINED: **Ponte de Lima**: Tirado (Queijada) (29TN G3818), 19-05-2007 [4, on *Zantedeschia aethiopica* (L.) Spreng. (Araceae)].

COMMENTS: Third Portuguese record; previously recorded from S. Martinho de Tibães (Braga, 29TNG40) (Grosso-Silva, 2002) and Gaia Biological Park (Vila Nova de Gaia, 29TNF3749) (Grosso-Silva & Soares-Vieira, 2009).

Acknowledgments

We are grateful to Pablo Bercedo (León, Spain) for his kind assistance regarding the Iberian knowledge about the anobiids recorded. Thanks are also due to Sónia Ferreira, Pedro Sousa and Ernestino Maravilhas for the collection of some interesting species. Grosso-Silva was supported by Fundação para a Ciência e Tecnologia, through SFRH/BD/41906/2007 PhD grant.

References

ALONSO ZARAZAGA, M. A., M. SÁNCHEZ-RUIZ & A. SÁNCHEZ-RUIZ 2003. Una nueva familia de Coleoptera para España: Acantohocnemidae. *Boln. S.E.A.*, **32**: 179-180.

BARROS, J. M. C. 1913. Adições ao Catalogo dos Coleopteros de Portugal. *Brotéria, Série Zoológica*, **11**: 105-118.

BARROS, J. M. C. 1926. Notas entomológicas. *Mem. Est. Mus. Zool. Univ. Coimbra*, **6**: 7-16.

BARROS, J. M. C. 1927. Notas entomológicas. *Brotéria, Série Zoológica*, **24**: 141-143.

BASELGA, A. & NOVOA, F., 2000. Nuevas citas de Anobiidae (Coleoptera) de Galicia (Península Ibérica). *Boln. Asoc. esp. Ent.*, **24**(3-4): 211-212.

BASELGA, A. & F. NOVOA 2004. Coleópteros del Parque Natural de las Fragas del Eume (Galicia, noroeste de la Península Ibérica), II: Scarabaeoidea, Buprestoidea, Byrrhoidea, Elateroidea, Bostrichoidea, Lymexyloidea, Cleroidea, Cucujoidea, Tenebrionoidea, Chrysomeloidea y Curculionoidea. *Boln. Asoc. esp. Ent.*, **28**(1-2): 121-143.

DAHLGREN, G. 1972. Beiträge zur Kenntnis der Gattung Rhagonycha (Col. Cantharidae) II. *Entomol. Blätter*, **68**(3): 129-149.

DE LA ROSA, J. J., J. J. MORALES & P. DEL ESTAL 2005. Contribución al conocimiento de la corología ibérica de tres especies de Anobiidae (Coleoptera). *Boln. S.E.A.*, **36**: 351-352.

ESPAÑOL, F. 1992. *Coleoptera, Anobiidae*. In: *Fauna Ibérica*, vol. 2. Ramos, M. A. *et al.* (Eds.). Museo Nacional de Ciencias Naturales. CSIC. Madrid. 195 pp.

FUENTE, J. M. 1928. Catálogo sistemático-geográfico de los Coleópteros observados en la península ibérica, Pirineos propiamente dichos y Baleares (cont.). *Bol. Soc. Ent. España*, **11**: 21-36, 43-58, 74-89, 105-120, 142-157.

FUENTE, J. M. 1931. Catálogo sistemático-geográfico de los Coleópteros observados en la península ibérica, Pirineos propiamente dichos y Baleares (cont.). *Bol. Soc. Ent. España*, **14**: 21-38, 49-66, 78-93, 100-115, 138-153.

GEISTHARDT, M., G. FIGUEIRA, J. C. DAY & R. DE COCK 2008. A review of Portuguese fireflies with a description of a new species, *Lampyris iberica* sp. nov. (Coleoptera: Lampyridae). *Heteropterus, Rev. Ent.*, **8**(2): 147-154.

GROSSO-SILVA, J. M. 1999. Registos interessantes de coleópteros de Portugal (Insecta, Coleoptera). *Boln. S.E.A.*, **25**: 21-23.

GROSSO-SILVA, J. M. 2002. Registos interessantes de coleópteros (Insecta, Coleoptera) para Portugal (3ª nota). Primeiro registo ibérico de *Pediacus dermestoides* (Fabricius, 1792) (Cucujidae). *Boln. S.E.A.*, **31**: 49-54.

GROSSO-SILVA, J. M. 2005a. Additions to the fauna of Hemiptera and Coleoptera (Insecta) of Serra da Estrela Natural Park (Portugal). *Boln. S.E.A.*, **36**: 185-193.

GROSSO-SILVA, J. M. 2005b. New and interesting beetle (Insecta, Coleoptera) records from Portugal (4th note). *Boln. S.E.A.*, **37**: 297-298.

GROSSO-SILVA, J. M. 2007. New and interesting beetle (Coleoptera) records from Portugal (5th note). *Boln. S.E.A.*, **40**: 471-472.

GROSSO-SILVA, J. M. & A. R. M. SERRANO 2000. Registos interessantes de coleópteros (Insecta, Coleoptera) para Portugal (2ª nota). *Boln. S.E.A.*, **27**: 1-5.

GROSSO-SILVA, J. M. & P. SOARES-VIEIRA 2009. A preliminary list of the Coleoptera and Hemiptera of the Gaia Biological Park (northern Portugal), with comments on some species. *Boln. S.E.A.*, **44**: 541-544.

HEYDEN, L. v. 1870. *Entomologische Reise nach dem Südlichen Spanien, der Sierra Guadarrama und Sierra Morena, Portugal und den Cantabrischen Gebirgen*. Ent. Verein, Berlin, 218 pp.

LÓPEZ-COLÓN, J. I. 2001. Algunos datos corológicos sobre anóbidos ibéricos (Coleoptera, Anobiidae). *Boln. S.E.A.*, **28**: 115-116.

MARTÍNEZ DE MURGUÍA, L., A. CASTRO & F. MOLINO-OLMEDO 2007. Artrópodos saproxílicos forestales en los parques naturales de Aralar y Aizkorri (Guipúzcoa, España) (Araneae y Coleoptera). *Boln. S.E.A.*, **41**: 237-250.

MENDES, M. A. 1959. A entomofauna do castanheiro (*Castanea sativa* Miller) no concelho de Moimenta da Beira. *Publicações da Direcção Geral dos Serviços Florestais e Aquícolas*, **26**: 119-275.

MURRIA BELTRÁN, F., E. MURRIA BELTRÁN & J. I. LÓPEZ-COLÓN 2003. Nuevos registros de Anobiidae (Coleoptera) para Aragón. *Boln. S.E.A.*, **32**: 220.

OLIVEIRA, M. P. 1893. *Catalogue des insectes du Portugal. Coléoptères*. Coimbra, 393 pp.

OTERO, J. C. & J. DÍAZ PAZOS 1986. Observaciones sobre algunos Coleópteros Ibéricos, II. *Boln. Asoc. esp. Ent.*, **10**: 31-34.

PÉREZ-MORENO, I. & F. MORENO-GRIJALBA 2009. *Los coleópteros saproxílicos del Parque Natural Sierra de Cebollera (La Rioja)*. Ciencias de la Tierra, 28. Instituto de Estudios Riojanos, Logroño. 182 pp.

PLAZA, E. 1979 (1977). Los *Nitidulini* de la Península Ibérica (Col. Nitidulidae). *Graellsia*, **33**: 143-169.