

A preliminary list of the Coleoptera and Hemiptera of the Gaia Biological Park (northern Portugal), with comments on some species

José Manuel Grosso-Silva & Patrícia Soares-Vieira

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

Abstract: A preliminary list of the Coleoptera and Hemiptera of the Gaia Biological Park (northern Portugal), is presented, including 108 species (72 Coleoptera and 36 Hemiptera). Of these, 100 constitute first records for the Park (64 Coleoptera and all the Hemiptera). Comments about eight of the species recorded, which are of particular interest, are presented.

Key words: Coleoptera, Hemiptera, Gaia Biological Park, northern Portugal, novelties, interesting records.

Lista preliminar de Coleoptera y Hemiptera del Parque Biológico de Gaia (norte de Portugal), con comentarios a algunas especies.

Resumen: Se presenta una lista preliminar de los Coleoptera y Hemiptera del Parque Biológico de Gaia (norte de Portugal), que incluye 108 especies (72 Coleoptera y 36 Hemiptera). De estas, 100 constituyen novedades para el Parque (64 Coleoptera y la totalidad de Hemiptera). Se presentan comentarios sobre ocho de las especies registradas, que se consideran de particular relevancia.

Palabras clave: Coleoptera, Hemiptera, Parque Biológico de Gaia, norte de Portugal, novedades, registros interesantes.

Introduction

The Gaia Biological Park (PBG, from the Portuguese “Parque Biológico de Gaia”), which was created in 1983, is an environmental education centre and a small urban nature reserve with an approximate area of 35 hectares and an altitude range from 50 to 100 m above sea level. Located in Vila Nova de Gaia and crossed by the river Febras (a tributary of the river Douro), the PBG consists of a group of old farms whose rural houses were restored in order to accommodate some of the Park’s services. A small part of the Park is used for agriculture, providing the visitors with a sample of the local agricultural traditions, whereas in the rest the forest, shrubs and hedges have been restored. The river Febras has been progressively de-polluted and several lakes and ponds were created for waterfowl, amphibians, and invertebrates. A programme for the rehabilitation of injured or orphaned wild animals has been set and the non-rehabilitateable ones are kept in the Park, in appropriately naturalized cages, being visible through discreet hides which exhibit information about the species. The visitors are invited to follow a nature trail of nearly three km, containing information panels (e.g., showing which species are active in each season) and identity tags on many of the plants visible along the way.

As a result of the studies conducted since the Park was established, the flora and vertebrate fauna of the PBG is considerably well known, the inventories including more than 200 and 123 species, respectively. However, the invertebrate fauna of the PBG was not studied until very recently, the only two previous contributions being that of Geisthardt *et al.* (2008), who recorded five species of lampyrids (Coleoptera, Lampyridae), and Fontoura *et al.* (2009), who recorded four species of water bears (Tardigrada). It is significant that each of these papers included the description of one new species for science.

The present contribution derives from a study of the invertebrate fauna of the PBG which was initiated in August 2007 and whose main goals are: 1) the production of an inventory of the invertebrate species that occur in the area and 2) the production of educational contents for the Park’s internet site and information panels. Apart from the information obtained from the study of the beetle specimens collected from the carcass of a Montpellier Snake (*Malpolon monspessulanus*) in March and April 2009, included in Grosso-Silva & Soares-Vieira (2009), all the data that results from the study of the invertebrate fauna of the PBG remains unpublished.

Overall, the diversity currently recorded refers to more than 450 species, belonging to the Arachnida, Crustacea, Insecta, and Myriapoda (Arthropoda), the Gastropoda (Mollusca) (all unpublished, except for Lampyridae and the three beetle species recorded by Grosso-Silva & Soares-Vieira, 2009) and the Tardigrada (Fontoura *et al.*, 2009), with a clear dominance of insects resulting from the group’s higher species richness together with a greater sampling effort applied. In this contribution a preliminary list of Hemiptera and Coleoptera is presented and the occurrence of some of the species in the PBG is commented.

Methods

The sampling techniques used for cataloguing the invertebrates of the Gaia Biological Park are varied and include beating nets and trays, aerial hand nets, nocturnal light attraction with mercury vapour and sodium vapour light bulbs and direct searching on the ground, on walls and other man-made structures, under stones and logs, and on live parts of plants (namely on flowers and foliage).

The Coleoptera and Hemiptera inventories obtained until the middle of April 2009 are presented in Table I. The species’ recorded distributions in the Park are presented in 1 km UTM squares, except in the case of the records of Geisthardt *et al.* (2008). Unless otherwise stated, the specimens studied are preserved in the collection of CIBIO-UP. The abbreviation “obs.” indicates specimens that were identified in the field and not collected. Unpublished records obtained in 2002 and early 2007 were incorporated into the dataset, as were those resulting from the analysis of photographs taken in the PBG by Jorge Gomes, which were treated as field observations since no specimens were collected and the determination was made by the authors. The data presented by Grosso-Silva & Soares-Vieira (2009), which results from the same ongoing study, is also included in Table I.

Results and Discussion

The data present here refers to a total of 108 species (72 Coleoptera and 36 Hemiptera), 100 of which constitute first records for the PBG (64 Coleoptera and all the Hemiptera). The records of the following species are considered particularly interesting:

- ***Cytillus sericeus* (Forster, 1771) (Col., Byrrhidae).** The PBG is the fourth Portuguese area. Previously only recorded from three Portuguese localities: Bragança, serra da Estrela (Oliveira, 1893) and serra da Peneda (Soares-Vieira & Grosso-Silva, 2003). The present record differs markedly from the other ones by the much lower altitude and close proximity to the coast.
- ***Lucanus cervus* (Linnaeus, 1758) (Col., Lucanidae).** The only legally protected species recorded in this study, the Stag beetle can be observed on several oaks in the PBG, some of which show clear exit holes in dead branches and trunks.
- ***Hypebaeus (Alloceps) albifrons* (Fabricius, 1775) (Col., Malachiidae).** According to Plata & Santiago (1990), this species is only known from three Portuguese localities (Guarda, S. Martinho de Anta, and Campeã), the most recent record dating back to 1937. The literature survey conducted yielded no recent records for this species, so the new record is the first for the country in more than 70 years.
- ***Cychramus luteus* (Fabricius, 1787) (Col., Nitidulidae).** Second Portuguese record; previously only known from Mire de Tibães, near Braga (Grosso-Silva, 2002). Both specimens studied here were collected on *Zantedeschia aethiopica* (L.) Spreng. (Araceae). The adults appear to be active during the spring (April-May).

● ***Uleiota planata* (Linnaeus, 1761) (Col., Silvanidae)**. There are a few old records from Portugal: Buçaco, Gerês, Serra do Gerês, and Vizela (Oliveira, 1893; Seabra, 1939); the only recent record (from Cobre, Cascais) was presented by Aguiar & Serrano (1995).

● ***Diaperis boleti* (Linnaeus, 1758) (Col., Tenebrionidae)**. Discovered in Portugal in 1981 (Vale de Cavalos) and subsequently recorded from several other sites from the north and centre of the country (Braga, Gerês, Cascais, Sátão, Alvarenga, Rio Maior) (Serrano, 1981, 1982; Aguiar & Serrano, 1995; Grosso-Silva, 1999), its distribution is still very poorly known.

● ***Arocatus roeseli* (Schilling, 1829) (Hem., Lygaeidae)**. Only recorded from two Portuguese localities: Mata de Leiria and Évora (Seabra, 1930a, 1930b; Péricart, 1999). The PBG constitutes the third area in the country and the records presented are the first in almost 80 years.

● ***Pinthaues sanguinipes* (Fabricius, 1781) (Hem., Pentatomidae)**. Previously only recorded from two Portuguese localities: Mata do Fundão and São Pedro de Muel (Seabra, 1924, 1926, 1929). The PBG constitutes the third area in the country and the record presented is the first in 80 years.

It is worth mentioning that three of the species listed (*Leptinotarsa decemlineata*, *Stictocephala alta*, and *Corythucha ciliata*) are all of Nearctic origin and that the latter was only recorded very recently from Portugal (Grosso-Silva & Aguiar, 2007).

Finally, we would like to emphasize that, despite the high proportion of novelties for the fauna of the PBG (resulting from the previously almost complete absence of data about Coleoptera and Hemiptera in the area), the present contribution represents a first approach to the catalogue of the studied groups, the species richness recorded being an obvious underestimate of the local fauna.

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Table I. Species list with known distributions in the Gaia Biological Park.

Order/ Family	Species	Distribution
Coleoptera		
Byrrhidae	<i>Cytilus sericeus</i> (Forster, 1771)	29TNF3749: 10-03-2009 (1)
Cantharidae	<i>Rhagonycha (Rhagonycha) fulva</i> (Scopoli, 1763)	29TNF3749: 24-06-2007 (1 ob.), 01-08-2007 (1 ob.), 17-06-2008 (1 ob.), 07-07-2008 (60 ob.), 15-07-2008 (40 ob.)
	<i>Rhagonycha (Rhagonycha) iberica</i> Dahlgren, 1975	29TNF3649: 16-04-2008 (2 ♀)
Carabidae	<i>Carabus (Chrysocarabus) lineatus</i> Dejean, 1826	29TNF3749: 27-10-2006 (1 ob., photo), 06-09-2007 (1 ♀), 11-02-2008 (1 ob.)
	<i>Demetrius atricapillus</i> (Linnaeus, 1758)	29TNF3749: 06-09-2007 (1 + 1 ob.), 31-10-2007 (1 ob.), 16-04-2008 (1 ♀ ob.), 19-05-2008 (1 ob.), 17-06-2008 (1 ob.)
	<i>Laemostenus (Pristonychus) ferricola</i> (Herbst, 1783)	29TNF3749: 27-05-2008 (1 ♂)
Cerambycidae	<i>Arhopalus ferus</i> (Mulsant, 1839)	29TNF3749: 11-10-2007 (1)
	<i>Cribroleptura stragulata</i> (Germar, 1824)	29TNF3749: 07-07-2008 (1 ob.)
	<i>Ergates faber</i> (Linnaeus, 1761)	29TNF3749: 14-08-2007 (1 ♂ ob., photo)
	<i>Prionus coriarius</i> (Linnaeus, 1758)	29TNF3749: 21-08-2007 (1 ♂ ob., photo)
	<i>Xylotrechus antilope</i> (Schönherr, 1817)	29TNF3749: 05-06-2006 (1 ob., photo)
Cetoniidae	<i>Oxythyrea funesta</i> (Poda, 1761)	29TNF3649: 16-04-2008 (1 ♂ + 1 ♀ ob.); 29TNF3749: 14-04-2007 (1 ob.), 27-05-2008 (3 ob.)
	<i>Protaetia morio</i> (Fabricius, 1781)	29TNF3749: 06-09-2007 (1 ♀)
	<i>Trichius rosaceus</i> (Voët, 1769)	29TNF3650: 19-05-2008 (1 ob.); 29TNF3749: 30-05-2005 (1 ob., photo)
Chrysomelidae	<i>Agelastica alni</i> (Linnaeus, 1758)	29TNF3650: 09-04-2009 (8 ob.); 29TNF3749: 01-08-2007 (1), 01-03-2008 (1 ob.), 02-03-2008 (20 ob.), 19-05-2008 (1 ob.), 07-07-2008 (1 ob.)
	<i>Chrysolina (Chrysolina) bankii</i> (Fabricius, 1775)	29TNF3749: 24-04-2006 (1 ob.)
	<i>Chrysolina (Erythrochrysa) polita</i> (Linnaeus, 1758)	29TNF3749: 11-10-2007 (1 ♂), 19-05-2008 (1 ♂)
	<i>Chrysolina (Sinerga) herbacea</i> (Duftschmid, 1825)	29TNF3749: 01-08-2007 (1 ♂)
	<i>Chrysolina (Taeniochrysea) americana</i> (Linnaeus, 1758)	29TNF3749: 06-09-2007 (1 ob.)
	<i>Coptocephala brevicornis</i> (Lefèvre, 1872)	29TNF3749: 07-07-2008 (2 ♂)
	<i>Cryptocephalus (Burlinius) pygmaeus</i> Fabricius, 1792	29TNF3749: 01-08-2007 (1), 07-07-2008 (1), 15-07-2008 (1)
	<i>Diadispis testacea</i> (Linnaeus, 1767)	29TNF3749: 01-08-2007 (10 ob.)
	<i>Gastrophysa (Exiguipenna) janthina</i> (Suffrian, 1851)	29TNF3749: 07-04-2009 (2 ♂)
	<i>Gastrophysa (Gastrophysa) polygoni</i> (Linnaeus, 1758)	29TNF3749: 06-01-2009 (1, found dead on spider web)
	<i>Leptinotarsa decemlineata</i> (Say, 1824)	29TNF3749: 01-08-2007 (1 ob.)

Order/ Family	Species	Distribution
	<i>Oedionychus cinctus</i> (Fabricius, 1781)	29TNF3649: 07-04-2009 (1 ob.), 29TNF3749: 21-02-2008 (1)
	<i>Plagioderma versicolora</i> (Laicharting, 1781)	29TNF3749: 16-04-2008 (1 + 9 ob.), 19-05-2008 (2 ob.)
	<i>Smaragdina (Smaragdina) concolor</i> (Fabricius, 1792) <i>ssp. concolor s. str.</i>	29TNF3749: 19-05-2008 (1 ♀), 07-07-2008 (1 ob.)
	<i>Smaragdina (Smaragdina) reyi</i> (Brisout, 1866)	29TNF3749: 19-05-2008 (1 ♂ + 2 ♀)
	<i>Sphaeroderma rubidum</i> (Graells, 1858)	29TNF3749: 31-10-2007 (1)
Coccinellidae	<i>Adalia (Adalia) decempunctata</i> (Linnaeus, 1758)	29TNF3649: 07-07-2008 (1)
	<i>Coccinella (Coccinella) septempunctata</i> Linnaeus, 1758	29TNF3649: 18-04-2009 (1 ob.); 29TNF3749: 13-03-2009 (1 ob.)
	<i>Oenopia conglobata</i> (Linnaeus, 1758) <i>ssp. conglobata s. str.</i>	29TNF3749: 19-05-2008 (1)
	<i>Propylea quatuordecimpunctata</i> (Linnaeus, 1758)	29TNF3649: 07-07-2008 (5 ob.); 29TNF3749: 08-04-2006 (1 ob., photo), 23-08-2007 (1), 06-09-2007 (2 ob.)
	<i>Rhyzobius chrysomeloides</i> (Herbst, 1792)	29TNF3749: 31-10-2007 (1)
	<i>Rhyzobius lophanthae</i> (Blaisdell, 1892)	29TNF3749: 31-10-2007 (1)
	<i>Thea vigintiduopunctata</i> (Linnaeus, 1758)	29TNF3749: 01-08-2007 (2 ob.), 23-08-2007 (1)
	<i>Tytthaspis (Tytthaspis) sedecimpunctata</i> (Linnaeus, 1758)	29TNF3749: 01-08-2007 (1 ob.), 06-09-2007 (1 ob.), 11-10-2007 (1 ob.), 31-10-2007 (10 ob.), 19-05-2008 (5 ob.), 27-05-2008 (1 ob.), 07-04-2009 (1 ob.)
Dasytidae	<i>Psilothrix viridicoerulea</i> (Geoffroy in Fourcroy, 1785)	29TNF3749: 19-05-2008 (1)
Dermestidae	<i>Anthrenus (Florilinus) verbasci</i> (Linnaeus, 1767)	29TNF3749: 19-05-2008 (2)
	<i>Dermestes (Dermestinus) frischii</i> Kugelann, 1792	29TNF3749: 24-03-2009 (1) (Grosso-Silva & Soares-Vieira, 2009)
	<i>Dermestes (Dermestinus) undulatus</i> Brahm, 1790	29TNF3749: 09-04-2009 (1) (Grosso-Silva & Soares-Vieira, 2009)
Geotrupidae	<i>Typhaeus (Typhaeus) typhoeus</i> (Linnaeus, 1758)	29TNF3650: 16-12-2008 (1 ob.); 29TNF3749: 05-01-2007 (1 ob., photo), 07-03-2007 (1 ♀)
Lampyridae	<i>Lampyrus iberica</i> Geisthardt, Figueira, Day & De Cock, 2008	Geisthardt <i>et al.</i> (2008: 150): "Gaia, Biological Park, 24.vi.2007, 1 ♀, GF leg.; vi.2007, 1 ♀, RDC leg" (<i>sic!</i>).
	<i>Lamprohiza mulsantii</i> (Kiesenwetter, 1850)	Geisthardt <i>et al.</i> (2008: 149): "Gaia, Biological Park, vi.2007, 1 ♂, RDC leg."
	<i>Lamprohiza paulinoi</i> E. Olivier, 1884	Geisthardt <i>et al.</i> (2008: 149): "Gaia, Biological Park, 28.vi.2007, 1 ♂, GF leg.; vi.2007, 3 ♂♂, RDC leg. (...)"
	<i>Luciola lusitanica</i> (Charpentier, 1825)	Geisthardt <i>et al.</i> (2008: 150): "Gaia, Biological Park, 30.v.2007, 2 ♂♂, 04.vi.2007, 1 ♂, GF leg., vi.2007, 1 ♂, RDC leg."; New record: 29TNF3749: 27-05-2007 (10 ♂ ob.)
	<i>Phosphaenus hemipterus</i> (Goeze, 1777)	Geisthardt <i>et al.</i> (2008: 150): "(...) Gaia, Biological Park, 29.v.2007, 1 ♂, 2 ♀♀, GF leg.; vi.2007, 1 ♂, 1 ♀, RDC leg."; New record: 29TNF3749: 28-05-2007 (1 ♂ ob.)
Lucanidae	<i>Dorcus parallelipipedus</i> (Linnaeus, 1758)	29TNF3649: 09-06-2008 (1 ♀ ob.); 29TNF3650: 05-10-2008 (1 ob.)
	<i>Lucanus cervus</i> (Linnaeus, 1758)	29TNF3650: 24-06-2007 (4 ♂ + 2 ♀, ob.), 15-05-2008 (2 ♀ ob.), 19-05-2008 (1 ♂ + 1 ♀, both dead), 07-07-2008 (2 ♂ ob.)
Malachiidae	<i>Hypebaeus (Alloceps) albifrons</i> (Fabricius, 1775)	29TNF3749: 07-07-2008 (1)
	<i>Malachius (Malachius) lusitanicus</i> Erichson, 1840	29TNF3749: 19-05-2008 (1 ♂ + 2 ♀)
Meloidae	<i>Lytta (Lytta) vesicatoria</i> (Linnaeus, 1758)	29TNF3650: 14-04-2007 (1 ob.), 15-03-2009 (3 ob.)
Mycetophagidae	<i>Litargus connexus</i> (Geoffroy in Fourcroy, 1785)	29TNF3749: 24-06-2007 (1)
	<i>Typhaea stercorea</i> (Linnaeus, 1758)	29TNF3749: 11-10-2007 (10)
Nitidulidae	<i>Cycharmus luteus</i> (Fabricius, 1787)	29TNF3749: 16-04-2008 (1), 19-05-2008 (1)
Oedemeridae	<i>Chrysanthia reitteri</i> Seidlitz, 1899	29TNF3749: 07-07-2008 (1 ♀)
	<i>Oedemera (Oedemera) flavipes</i> (Fabricius, 1792)	29TNF3749: 07-07-2008 (1 ♂ + 4 ob.)
	<i>Oedemera (Oedemera) lurida</i> (Marsham, 1802)	29TNF3749: 19-05-2008 (2 ♂)
	<i>Oedemera (Oedemera) nobilis</i> (Scopoli, 1763)	29TNF3749: 19-05-2008 (1 ♂)
	<i>Oedemera (Oedemera) simplex</i> (Linnaeus, 1767)	29TNF3749: 07-07-2008 (1 ♂ + 3 ob.)
Silphidae	<i>Nicrophorus vespillo</i> (Linnaeus, 1758)	29TNF3749: 15-07-2008 (1)
	<i>Silpha tristis</i> Illiger, 1798	29TNF3749: 15-07-2008 (1)
	<i>Thanatophilus sinuatus</i> (Fabricius, 1775)	29TNF3749: 29-03-2009 (1 + 1 ob.), 09-04-2009 (3 ob.) (GROSSO-SILVA & SOARES-VIEIRA, 2009)
Silvanidae	<i>Ahasverus advena</i> (Waltl, 1834)	29TNF3749: 11-10-2007 (1)
	<i>Uleiota planata</i> (Linnaeus, 1761)	29TNF3749: 15-01-2002 (2, coll. Grosso-Silva), 25-01-2008 (1 + 2 ob.)
Tenebrionidae	<i>Diaperis boleti</i> (Linnaeus, 1758)	29TNF3650: 09-06-2008 (1)
	<i>Lagria hirta</i> (Linnaeus, 1758)	29TNF3749: 27-05-2008 (1)
	<i>Lagria rubida</i> Graells, 1855	29TNF3749: 15-07-2008 (1 ♀)
	<i>Nalassus laevioctostriatus</i> (Goeze, 1777)	29TNF3749: 15-01-2002 (1 ♂ + 1 ♀, coll. Grosso-Silva), 31-10-2007 (5 ♂ + 1 ♀)
Trogidae	<i>Trox scaber</i> (Linnaeus, 1767)	NF3650: 09-06-2008 (2 ♂)
Zopheridae	<i>Endophloeus markovichianus</i> (Piller & Mitterpacher, 1783)	29TNF3749: 21-11-2008 (1)
Hemiptera		
Alydidae	<i>Camptopus lateralis</i> (Germar, 1817)	29TNF3749: 14-04-2007 (1 ob.)
	<i>Micrelytra fossularum</i> (Rossi, 1790)	29TNF3749: 06-09-2007 (1 ob.), 31-10-2007 (1 ob.)
Berytidae	<i>Apolyms pectoralis</i> Fieber, 1859	29TNF3749: 01-08-2007 (4), 06-09-2007 (1), 25-01-2008 (1)
Cercopidae	<i>Cercopis sanguinolenta</i> (Scopoli, 1763)	29TNF3749: 20-04-2006 (1 ob., photo), 19-05-2008 (1 ob.), 27-05-2008 (1 + 1 ob.), 13-03-2009 (1 ob.)
	<i>Haematoloma dorsatum</i> (Ahrens, 1812)	29TNF3650: 09-06-2008 (1)
Coreidae	<i>Coreus marginatus</i> (Linnaeus, 1758)	29TNF3749: 01-08-2007 (1 ob.), 27-05-2008 (2 ob.)
	<i>Enoplops scapha</i> (Fabricius, 1803)	29TNF3749: 17-06-2008 (1)
	<i>Gonocerus acuteangulatus</i> (Goeze, 1778)	29TNF3650: 09-06-2008 (1 ♂ + 1 ♀)
	<i>Syromastes rhombeus</i> (Linnaeus, 1767)	29TNF3749: 24-04-2006 (1 ob., photo), 09-04-2009 (1 ob.)
Gerridae	<i>Aquarius najas</i> (De Geer, 1773)	29TNF3749: 24-03-2009 (1)
	<i>Gerris (Gerris) gibbifer</i> Schummel, 1832	29TNF3749: 20-03-2009 (1 ♂)
Hydrometridae	<i>Hydrometra stagnorum</i> (Linnaeus, 1758)	29TNF3649: 14-04-2007 (3 ob.), 11-02-2008 (2 ob.)
Lygaeidae	<i>Aphanus rolandri</i> (Linnaeus, 1758)	29TNF3749: 06-09-2007 (1 ob.)
	<i>Arocatus roeselii</i> (Schilling, 1829)	29TNF3749: 06-09-2007 (1), 13-12-2007 (1 ♂ + 1 ♀)
	<i>Beosus maritimus</i> (Scopoli, 1763)	29TNF3749: 06-09-2007 (2), 11-10-2007 (1), 25-01-2008 (1)

Order/ Family	Species	Distribution
	<i>Lygaeus equestris</i> (Linnaeus, 1758)	29TNF3649: 10-12-2008 (2 ob.)
Membracidae	<i>Stictoccephala alta</i> (Walker, 1851)	29TNF3749: 23-08-2007 (1), 31-10-2007 (1 ob.)
Nabidae	<i>Himacerus (Aptus) mirmicoides</i> (O. Costa, 1834)	29TNF3749: 23-08-2007 (2), 06-09-2007 (1), 31-10-2007 (1), 25-01-2008 (1 ob.)
	<i>Prostemma albimaculata</i> Stein, 1857	29TNF3749: 16-04-2008 (1)
Nepidae	<i>Nepa cinerea</i> Linnaeus, 1758	29TNF3749: 22-05-2007 (1 ob., photo)
Notonectidae	<i>Anisops sardeus</i> Herrich-Schäffer, 1849	29TNF3749: 24-03-2009 (1)
	<i>Notonecta maculata</i> Fabricius, 1794	29TNF3749: 24-03-2009 (1)
Pentatomidae	<i>Arma custos</i> (Fabricius, 1794)	29TNF3749: 25-01-2008 (1)
	<i>Dolycoris baccarum</i> (Linnaeus, 1758)	29TNF3749: 07-07-2008 (1 ob.)
	<i>Dyrodereis umbraculatus</i> (Fabricius, 1775)	29TNF3749: 01-08-2007 (1 ob.), 07-07-2008 (2 ob.)
	<i>Eurydema (Eurydema) oleracea</i> (Linnaeus, 1758)	29TNF3749: 06-09-2007 (1), 07-07-2008 (1 ob.)
	<i>Graphosoma lineatum</i> (Linnaeus, 1758) ssp. <i>italicum</i> (Müller, 1766)	29TNF3749: 14-04-2007 (1 ob.), 01-08-2007 (2 ob.), 23-08-2007 (1 ob.), 06-09-2007 (1 ob.), 19-05-2008 (15 ob.), 27-05-2008 (10 ob.), 07-07-2008 (2 ob.), 15-07-2008 (30 ob.)
	<i>Nezara viridula</i> (Linnaeus, 1758)	29TNF3749: 23-08-2007 (1 ob.), 27-05-2008 (1 ob.)
	<i>Piezodorus lituratus</i> (Fabricius, 1794)	29TNF3749: 14-04-2007 (2 ob.), 25-01-2008 (1 ob.)
	<i>Pinthaeus sanguinipes</i> (Fabricius, 1781)	29TNF3749: 06-09-2007 (1)
	<i>Rhaphigaster nebulosa</i> (Poda, 1761)	29TNF3749: 06-09-2007 (3 ob.)
Pyrrhocoridae	<i>Pyrrhocoris apterus</i> (Linnaeus, 1758)	29TNF3749: 19-05-2008 (9 ob.)
Reduviidae	<i>Peirates stridulus</i> (Fabricius, 1787)	29TNF3749: 14-04-2007 (1)
Rhopalidae	<i>Corizus hyoscyami</i> (Linnaeus, 1758)	29TNF3749: 07-07-2008 (1), 15-07-2008 (1 ob.)
	<i>Rhopalus (Rhopalus) subrufus</i> (Gmelin, 1790)	29TNF3749: 06-09-2007 (4)
Tingidae	<i>Corythucha ciliata</i> (Say, 1832)	29TNF3749: 29-02-2008 (2)

Presencia en Aragón (España) de *Aethiessa floralis* (Fabricius, 1787) (Coleoptera: Cetoniidae)

Fernando Murria Beltrán & Álvaro Murria Beltrán

Avda. de Navarra 7-9-11, esc. 1ª, 2º A. Zaragoza.

Resumen: Se cita por primera vez para Aragón *Aethiessa floralis* (Fabricius, 1787) (Coleoptera: Cetoniidae).

Palabras clave: Coleoptera, Cetoniidae, *Aethiessa floralis*, Aragón, España.

El género *Aethiessa* Burmeister, 1842 pertenece a la familia Cetoniidae (Coleoptera) y comprende seis especies conocidas, repartidas por Europa, Norte de África, Oriente Medio y Cáucaso (Dutto, 2005). En Europa occidental solo se encuentra una especie, *Aethiessa floralis* (Fabricius, 1787), que también se encuentra ampliamente difundida por el norte de África (Baraud, 1985). En Europa *Aethiessa floralis* se ha citado solamente del sur, en concreto de Italia (Calabria) (Mariani, 1959; Mikšić, 1982), islas de Sicilia, Pantelleria (Mariani, 1955; Baraud, 1977), Lampedusa (Arnone et al., 1995) y Malta (Mikšić, 1982), y del S y SE de España (provincias de Alicante, Murcia, Albacete, Granada, Málaga, Almería, Jaén, Córdoba, Cádiz y Cáceres) (Báguena, 1967).

En la revisión de cetónidos de la colección Maynar-SEA, se ha identificado un ejemplar ♀ de *Aethiessa floralis* capturado en los alrededores de Zaragoza. Los datos son los siguientes:

Zaragoza: Zuera, 8-VI-1916, C. Maynar leg.; 1 ♀ etiquetada como "*Potosia cuprea nigrifulgens*". El ejemplar mide 18 mm. de largo y pertenece a la variedad *elongata* Gory & Percheron, 1833, caracterizada por la ausencia de escamas blancas en la superficie elítral.

En la colección Maynar también puede encontrarse otro ejemplar con los siguientes datos; Larache (Marruecos), C. Maynar leg., 24-V-1927, etiquetada como "*Potosia cuprea nigrifulgens*"; 1 ♀ de la variedad *elongata* Gory & Percheron, 1833.

La importancia de esta cita radica es que es la primera vez que se encuentra *Aethiessa floralis* en la mitad norte de la península Ibérica, ya que el área ibérica más septentrional hasta ahora conocida es en la comarca de Las Hurdes- provincia de Cáceres (Báguena, 1967). Aunque *Aethiessa floralis* es una especie que ha sido relativamente bien estudiada, pues se conocen aspectos de su ecología y etología (Micó & Galante, 1998) así como la morfología larvaria (Micó & Galante, 2003), el presente registro de Aragón sugiere que la necesidad de realizar nuevas prospecciones por el NE de España a fin de validar la presencia actual de esta especie,

aunque también pudiera ser que se hubiera extinguido dada la antigüedad de la presente cita.

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