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New records of Lepidoptera from the Iberian Peninsula from 2017 and 2018 (Insecta: Lepidoptera)

A. Laštůvka & Z. Laštůvka

Abstract

New records of Nepticulidae, Gracillariidae, Roeslerstammiidae, Plutellidae, Argyresthiidae, Oecophoridae, Coleophoridae, Momphidae, Brachodidae, Erebidae, and Noctuidae for Spain and Portugal are presented. *Stigmella nylandriella* (Tengström, 1848), *Ectoedemia argyropeza* (Zeller, 1839), *E. spinosella* (Joannis, 1908), *Phyllonorycter sorbi* (Freyer, 1855), *Roeslerstammia erxlebelli* (Fabricius, 1787), *Rhigognostis senilella* (Zetterstedt, 1839), *Argyresthia aurulentella* Stainton, 1849, *A. thuriferana* (Gibeaux, 1992), *A. buvati* Gibeaux, 1992, *A. reticulata* Staudinger, 1877, *A. submontana* Frey, 1870, *Batia internella* Jäckh, 1972, *Coleophora gryphipennella* (Hübner, 1796), and *Mompha raschkiella* (Zeller, 1839) are new for Spain, *Chelis maculosa* (Gerning, 1780) and *Helotropha leucostigma* (Hübner, 1808) are new for Portugal. *Stigmella nylandriella*, *Ectoedemia argyropeza*, *E. spinosella*, *Rhigognostis senilella*, *Argyresthia aurulentella*, *A. thuriferana*, *A. buvati*, *A. reticulata*, *A. submontana*, *Batia internella*, and *Mompha raschkiella* are new for the Iberian Peninsula. New province records are given of 54 species (57 new province records in all).

KEY WORDS: Insecta, Lepidoptera, Nepticulidae, Gracillariidae, Roeslerstammiidae, Plutellidae, Argyresthiidae, Oecophoridae, Coleophoridae, Momphidae, Brachodidae, Erebidae, Noctuidae, new records, Iberian Peninsula.

Nuevos registros de Lepidoptera en la Península Ibérica del 2017 y 2018 (Insecta: Lepidoptera)

Resumen

Se mencionan nuevos registros de Nepticulidae, Gracillariidae, Roeslerstammiidae, Plutellidae, Argyresthiidae, Oecophoridae, Coleophoridae, Momphidae, Brachodidae, Erebidae y Noctuidae para España y Portugal. *Stigmella nylandriella* (Tengström, 1848), *Ectoedemia argyropeza* (Zeller, 1839), *E. spinosella* (Joannis, 1908), *Phyllonorycter sorbi* (Freyer, 1855), *Roeslerstammia erxlebelli* (Fabricius, 1787), *Rhigognostis senilella* (Zetterstedt, 1839), *Argyresthia aurulentella* Stainton, 1849, *A. thuriferana* (Gibeaux, 1992), *A. buvati* Gibeaux, 1992, *A. reticulata* Staudinger, 1877, *A. submontana* Frey, 1870, *Batia internella* Jäckh, 1972, *Coleophora gryphipennella* (Hübner, 1796) y *Mompha raschkiella* (Zeller, 1839) son nuevas para España, *Chelis maculosa* (Gerning, 1780) y *Helotropha leucostigma* (Hübner, 1808) son nuevas para Portugal. *Stigmella nylandriella*, *Ectoedemia argyropeza*, *E. spinosella*, *Rhigognostis senilella*, *Argyresthia aurulentella*, *A. thuriferana*, *A. buvati*, *A. reticulata*, *A. submontana*, *Batia internella* y *Mompha raschkiella* son nuevas en la Península Ibérica. Nuevas citas provinciales para 54 especies (57 nuevas citas provinciales en total).

PALABRAS CLAVE: Insecta, Lepidoptera, Nepticulidae, Gracillariidae, Roeslerstammiidae, Plutellidae, Argyresthiidae, Oecophoridae, Coleophoridae, Momphidae, Brachodidae, Erebidae, Noctuidae, nuevos registros, Península Ibérica.

Introduction

The ongoing research on Lepidoptera of the Iberian Peninsula performed by the authors brought some interesting results in 2017 and 2018. The important records are presented in this contribution,

supplementing the publications by VAN NIEUKERKEN *et al.* (2004, 2010), LAŠTŮVKA & LAŠTŮVKA (2006, 2007, 2009, 2011, 2014a, b, c, 2015, 2017), LAŠTŮVKA *et al.* (2000), CORLEY *et al.* (2006, 2007, 2009, 2012a, b, 2013, 2016, 2018), CORLEY (2014, 2015a), including summarizing works by VIVES MORENO (1994, 2014) and CORLEY (2015b). The discovery of 11 species new for the Iberian Peninsula, 14 species new for Spain, 2 for Portugal and 54 species new for individual provinces are given here.

Material and methods

The presented records are the results of the authors' (AL & ZL) two three weeks long visits to the Iberian Peninsula from 10th to 30th June 2017 and from 9th to 30th June 2018. Attention was paid only to northern regions of Spain from Gerona to Asturias and to Trás-os-Montes in Portugal. The moths were mostly collected at light (UV lamp 125 W, fluorescent tubes 8 and 20 W). Some species (specimens) were beaten from their host plants by day, adults of some species were collected on flowers or in stands of host plants, and empty mines or mines with larvae were found in some mining species. The determination was performed by the authors. The mining and other small moths are deposited in the collection of the first, material of Sesiidae in the collection of the second author. Therefore, collectors and the collection are not repeated for the individual species.

New Iberian or country records

NEPTICULIDAE

Stigmella nylandriella (Tengström, 1848)

ES: Lérida, Valle de Arán, Tredós, 1 ♀, 14-VI-2017.

Species with European distribution, known predominantly from central and northern parts of Europe, occurrence data are missing from the Balkans and some Mediterranean islands (VAN NIEUKERKEN, 2013). Larvae mine on *Sorbus aucuparia* (*Sorbus domestica* and *Malus*) (e.g. LAŠTŮVKA & LAŠTŮVKA, 1997). **New species for Spain and the Iberian Peninsula** (Fig. 1, 14).

Ectoedemia argyropeza (Zeller, 1839)

ES: Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

Eurosiberian species, known throughout Europe, with exception of Mediterranean islands (VAN NIEUKERKEN, 2013). Larvae mine on *Populus tremula* (e.g. LAŠTŮVKA & LAŠTŮVKA, 1997). **New species for Spain and the Iberian Peninsula** (Fig. 2, 15).

Ectoedemia spinosella (Joannis, 1908)

ES: Soria, Aldehuela de Calatañazor, 1 ♂, 23-VI-2017.

Predominantly central and southern European species, unknown from Scandinavia (VAN NIEUKERKEN, 2013). Larvae mine on various *Prunus* species (e.g. LAŠTŮVKA & LAŠTŮVKA, 1997). **New species for Spain and the Iberian Peninsula** (Fig. 3, 16).

GRACILLARIIDAE

Phyllonorycter sorbi (Freyer, 1855)

ES: Huesca, Benasque-Cerler, 4 ♂♂, 3 ♀♀, 16-VI-2017, 2 ♂♂, 24-VI-2017; Lérida, Valle de Arán, Tredós, 4 ♂♂, 14-VI-2017.

Western Palearctic (up to Central Asiatic) species, distributed throughout Europe, with exception of southern parts of the Balkans and Mediterranean islands. In the Iberian Peninsula recorded in Portugal: Trás-os-Montes and Beira Alta (CORLEY, 2015b). Larvae usually mine on *Sorbus aucuparia*, but also other *Sorbus* species, *Cotoneaster*, *Crataegus*, *Malus*, *Mespilus*, *Prunus padus*, and

Pyrus are occasional or regular host plants (DE PRINS & DE PRINS, 2018). **New species for Spain** (Fig. 4, 17).

ROESLERSTAMMIIDAE

Roeslerstammia erxlebelli (Fabricius, 1787)

ES: Huesca, Espés, 1 ♀, 25-VI-2017.

Eurosiberian species, in Europe distributed in western, central and eastern parts, up to southern Scandinavia in the north (KARSHOLT, 2013). In the Iberian Peninsula recorded in Portugal: Minho by CORLEY *et al.* (2012b). Larvae usually develop on *Tilia*, but *Betula* is also mentioned as a host plant (e.g. AGASSIZ, 1996). **New species for Spain** (Fig. 5).

PLUTELLIDAE

Rhigognostis senilella (Zetterstedt, 1839)

ES: Huesca, Benasque-Cerler, 1 ♂, 21-VI-2018.

Eurosiberian species, in Europe more common in central and northern parts, in southern regions mostly in mountains (AGASSIZ, 2013). Larvae develop on some Brassicaceae. BARANIAK (2016) considers *R. senilella* and *R. marmorosella* to be two distinct species, the first of them occurring in Greenland and Iceland, and the second one is broadly distributed. In such case, the Spanish record would belong to *R. marmorosella*. But AARVIK *et al.* (2017) do not confirm this view with regard to the barcoding results and the genitalia morphology. **New species for Spain and the Iberian Peninsula** (Fig. 6, 18).

ARGYRESTHIIDAE

Argyresthia aurulentella Stainton, 1849

ES: Lérida, San Lorenzo de Morunys, Enciens, 1 ♀, 25-VI-2018; beaten from bushes of *Juniperus oxycedrus*.

Species distributed in northern, western and central Europe, also known from some southern European countries (AGASSIZ, 2013). Larvae mine the needles of *Juniperus*, the bionomics are described by FRIESE (1969). **New species for Spain and the Iberian Peninsula** (Fig. 7, 23).

Argyresthia thuriferana (Gibeaux, 1992)

ES: Soria, Aldehuela de Calatañazor, 3 ♂♂, 1 ♀, 18-VI-2017, 1 ♂, 23-VI-2017, 5 ♀♀, 15-VI-2018, 2 ♂♂, 4 ♀, 19-VI-2018; collected at light or beaten from bushes of *Juniperus thurifera*.

Species described from southern France (Hautes-Alpes) (GIBEAUX, 1992) and still only known from there (AGASSIZ, 2013). Larvae probably mine the shoots of *Juniperus thurifera*. **New species for Spain and the Iberian Peninsula** (Fig. 8, 19, 24).

Argyresthia buvati Gibeaux, 1992

ES: Soria, Aldehuela de Calatañazor, 1 ♀, 15-VI-2018, 1 ♀, 19-VI-2018; collected at light in the bushes of *Juniperus thurifera*.

Species described from southern France (Hautes-Alpes) (GIBEAUX, 1992) and still only known from there (AGASSIZ, 2013), similarly to the previous species. Larvae develop on *Juniperus*, probably on non-prickly species. *Argyresthia buvati* is very close (conspecific?) to the eastern Mediterranean-SW Asiatic *Argyresthia impura* (Staudinger, 1879). **New species for Spain and the Iberian Peninsula** (Fig. 9, 25).

Argyresthia reticulata Staudinger, 1877

ES: Soria, Aldehuela de Calatañazor, 1 ♀, 18-VI-2017, 8 ♂♂, 12 ♀♀, 15-VI-2018, 5 ♂♂, 1 ♀, 19-VI-2018; collected at light or beaten from bushes of *Juniperus thurifera*.

Species with insufficiently known distribution, recorded in the Netherlands, Belgium, France, Switzerland and one specimen also from the Czech Republic (AGASSIZ, 2013). Larvae mine young shoots and needles of *Juniperus* spp., apparently both prickly and non-prickly species. **New species for Spain and the Iberian Peninsula** (Fig. 10, 20, 26).

Argyresthia submontana Frey, 1870

ES: Huesca, Espés, 1 ♀, 25-VI-2017.

European species, so far known from some northern, western and central European countries (AGASSIZ, 2013). Larvae live in the buds and shoots of *Amelanchier* and *Sorbus aria* (FREY, 1870), *Sorbus torminalis* and *Cotoneaster* are also given as host plants (LEPIFORUM, 2018). The adults are very similar to *A. sorbiella*, but their forewings are nearly white and the markings are less distinct. **New species for Spain and the Iberian Peninsula** (Fig. 11, 27).

OECOPHORIDAE

Batia internella Jäckh, 1972

ES: Soria, Aldehuela de Calatañazor, 1 ♂, 1 ♀, 23-VI-2017.

Western Palearctic species, distributed throughout Europe (LVOVSKY, 2013), very similar to *Batia lunaris* (Haworth, 1828). Larvae develop in dead tissues (wood) of shrubs and trees. **New species for Spain and the Iberian Peninsula** (Fig. 12, 21).

COLEOPHORIDAE

Coleophora gryhipennella (Hübner, 1796)

ES: Lérida, Valle de Arán, Tredós, larvae on *Rosa* sp., 14-VI-2017.

Eurosiberian species, distributed throughout Europe (VAN DER WOLF & BALDIZZONE, 2013). In the Iberian Peninsula recorded in Portugal: Trás-os-Montes (CORLEY *et al.*, 2007). Larvae mine on *Rosa* and *Rubus* spp. (EMMET *et al.*, 1996). **New species for Spain**.

MOMPHIDAE

Mompha raschkiella (Zeller, 1839)

ES: Gerona, Camprodón, Valtor 2000, 1 ♂, 27-VI-2018.

Transpalearctic species, widely distributed in Europe with exception of some Balkan countries and Mediterranean islands (KOSTER & SINEV, 2013). Larvae mine on *Epilobium angustifolium* and *E. hirsutum* (KOSTER & SINEV, 2003). **New species for Spain and the Iberian Peninsula** (Fig. 13, 22).

EREBIDAE

Chelis maculosa (Gerning, 1780)

PT: Trás-os-Montes, Bemposta, 1 ♂, 16-VI-2018.

Transpalearctic species, locally distributed in central and southern parts of Europe (PRZYBYLOWICZ *et al.*, 2013), also recorded in northern regions of the Iberian Peninsula to Galicia (MACIA *et al.*, 2013). Its occurrence in Portugal is undocumented (CORLEY, 2015b). **New species for Portugal**.

NOCTUIDAE

Helotropha leucostigma (Hübner, [1808])

PT: Trás-os-Montes, Bemposta, 1 ex. observed, 19-VI-2017.

Eurosiberian species, distributed throughout northern and central areas of Europe, including the NE part of the Iberian Peninsula (ZILLI *et al.*, 2005). Larvae develop on some hygrophilous plants, e.g.

Carex, *Juncus*, *Scirpus*, *Sparganium*, and *Iris pseudacorus*. The specimen was observed at light near the hygrophilous herbal stands of the river Douro which corresponds to its ecological requirements.
New species for Portugal.

New province records

NEPTICULIDAE

The faunistic data on the following Nepticulidae are summarized by VAN NIEUKERKEN *et al.* (2004), supplemented by LAŠTŮVKA & LAŠTŮVKA (2008, 2009, 2011, 2014a, b, 2015, 2017), and VAN NIEUKERKEN *et al.* (2010). Only records of species with less than four province records are individually commented.

Stigmella lapponica (Wocke, 1862)

ES: Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

Stigmella luteella (Stainton, 1857)

ES: Gerona, Rocabrúna, 1 ♂, 11-VI-2017; Huesca, Espés, 1 ♂, 15-VI-2017.

Stigmella thuringiaca (Petty, 1904)

ES: Soria, Aldehuela de Calatañazor, 2 ♂♂, 19-VI-2018.

Stigmella assimilella (Zeller, 1848)

ES: Lérida, Valle de Arán, Tredós, 2 ♂♂, 14-VI-2017.

Species with trophic relation to *Populus alba* and *P. tremula*, known from the provinces of Málaga and Salamanca (VAN NIEUKERKEN *et al.*, 2004); third Spanish record.

Stigmella plagiolella (Stainton, 1854)

ES: Lérida, Sarroca de Bellera, mines on *Prunus spinosa*, 26-VI-2017.

Stigmella perpygmaeella (Doubleday, 1859)

ES: Huesca, Saravillo, 1 ♀, 17-VI-2017.

Stigmella basiguttella (Heinemann, 1862)

ES: Lérida, Xerallo, 2 ♂♂, 1 ♀, 24-VI-2018.

Stigmella roborella (Johansson, 1971)

ES: Gerona, Rocabrúna, 2 ♂♂, 1 ♀, 11-VI-2017.

Glaucolepis thymi (Szöcs, 1965)

ES: Huesca, Espés, 2 ♂♂, 15-VI-2017; Lérida, San Lorenzo de Morunys, 1 ♂, 27-VI-2017; Soria, Aldehuela de Calatañazor, 5 ♂♂, 1 ♀, 19-VI-2018.

Glaucolepis montana (Laštůvka, Laštůvka & Van Nieuwerkerken, 2007)

ES: Soria, Aldehuela de Calatañazor, 1 ♂, 19-VI-2018.

Trifurcula subnitidella (Duponchel, 1843)

ES: Huesca, Espés, 1 ♂, 15-VI-2017.

Trifurcula silviae Van Nieuwerkerken, 1990

ES: Huesca, Candanos, 1 ♂, 12-VI-2018; Lérida, Xerallo, 1 ♂, 24-VI-2018.

Trifurcula immundella (Zeller, 1839)

ES: Huesca, Benasque-Cerler, 1 ♂, 24-VI-2017.

Bohemannia pulverosella (Stainton, 1849)

ES: Lérida, Sarroca de Bellera, mines on *Malus*, 26-VI-2017.

Known only from the province of Gerona (LAŠŤŮVKA & LAŠŤŮVKA, 2008); second Spanish record.

Zimmermannia hispanica (Van Nieukerken, 1985)

ES: Huesca, Candarnos, 2 ♂♂, 12-VI-2018; PT: Trás-os-Montes, Bemposta, 2 ♂♂, 16-VI-2018.

Ectoedemia intimella (Zeller, 1848)

ES: Huesca, Chía, 1 ♀, 20-VI-2018.

Known so far from the province of Zaragoza (LAŠŤŮVKA & LAŠŤŮVKA, 2008); second Spanish record.

Ectoedemia caradjai (Groschke, 1944)

ES: Lérida, San Lorenzo de Morunys, 1 ♂, 27-VI-2017.

Ectoedemia ilicis (Mendes, 1910)

ES: Soria, Aldehuela de Calatañazor, 3 ♂♂, 15-VI-2018.

Ectoedemia erythrogenella (Joannis, 1908)

ES: Huesca, Chía, 1 ♂, 20-VI-2018.

Ectoedemia occultella (Linnaeus, 1767)

ES: Gerona, Camprodón, Valter 2000, 1 ♀, 27-VI-2018.

Species with trophic relation to *Betula* spp., known from the province of Orense (LAŠŤŮVKA & LAŠŤŮVKA, 2017); second Spanish record.

INCURVARIIDAE

Incurvaria vetulella (Zetterstedt, 1839)

ES: Huesca, Benasque-Cerler, 1 ♂, 24-VI-2017.

Species known only from Asturias (LAŠŤŮVKA & LAŠŤŮVKA, 2017); second Spanish record.

Phylloporia bistrigella (Haworth, 1828)

ES: Huesca, Chía, 1 ♀, 20-VI-2018; Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

Species recorded only in the province of Lugo (LAŠŤŮVKA & LAŠŤŮVKA, 2017); second and third Spanish records.

GRACILLARIIDAE

The faunistic data and remarks on the following Gracillariidae known in more than three provinces are given by VIVES MORENO (1994) and LAŠŤŮVKA & LAŠŤŮVKA (2006, 2007, 2009, 2011, 2014a, b, 2015, 2017).

Caloptilia roscipennella (Hübner, 1796)

ES: Huesca, Saravillo, 1 ♂, 17-VI-2017.

Povolnya leucapennella (Stephens, 1835)

ES: Lérida, Port del Comte, 1 ♂, 13-VI-2017.

Callisto denticulella (Thunberg, 1794)

ES: Huesca, Espés, 1 ♂, 15-VI-2017.

Parornix betulae (Stainton, 1854)

ES: Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

Third Spanish record, species so far known from the provinces of Orense and Zamora (LAŠTŮVKA & LAŠTŮVKA, 2014a, 2015).

Parornix scoticella (Stainton, 1850)

ES: Lérida, Valle de Arán, Tredós, 2 ♂♂, 14-VI-2017.

Parornix tenella (Rebel, 1919)

ES: Teruel, Montalbán, 2 ♂♂, 13-VI-2018.

Species recorded in Andalusia by VIVES MORENO (1994); second Spanish record.

Phyllonorycter cerasinella (Reutti, 1852)

ES: León, Viadangos de Arbas, 1 ♂, 22-VI-2017.

Phyllonorycter haasi (Rebel, 1900)

ES: Gerona, Camprodón, Valter 2000, 1 ♂, 27-VI-2018.

Phyllonorycter floridae Laštůvka & Laštůvka, 2012

ES: Oviedo, Alto de la Farrapona, 1 ♀, 21-VI-2017.

Phyllonorycter hispanicus Laštůvka & Laštůvka, 2014

ES: Oviedo, Alto de la Farrapona, 3 ♂♂, 1 ♀, 21-VI-2017.

Phyllonorycter staintoniella (Nicelli, 1853)

ES: Huesca, Benasque-Cerler, 1 ♂, 1 ♀, 24-VI-2017.

Phyllonorycter ulmifoliella (Hübner, [1817])

ES: Oviedo, El Puerto de Leitariegos, mines on *Betula* sp., 21-VI-2017.

Phyllonorycter cerasicolella (Herrich-Schäffer, 1855)

ES: Lérida, Sarroca de Bellera, mines on *Prunus mahaleb*, 26-VI-2017.

YPONOMEUTIDAE

Niphonympha dealbatella (Zeller, 1847)

ES: León, San Cristobal de Valdueza, 2 ♂♂, 20-VI-2017.

Species known only from the province of Ávila (VIVES MORENO & GASTÓN, 2017); second Spanish record.

ARGYRESTHIIDAE

Argyresthia arceuthina Zeller, 1839

ES: Huesca, Chía, 1 ♂, 20-VI-2018.

Argyresthia praecocella Zeller, 1839

ES: Gerona, Camprodón, Valter 2000, 1 ♂, 27-VI-2018; Queralbs, 1 ♂, 1 ♀, 13-VI-2017; Rocabruna, 1 ♂, 10-VI-2018; Huesca, Benasque-Cerler, 1 ♂, 7 ♀♀, 21-VI-2018; Lérida, Port del Comte, 3 ♀♀, 13-VI-2017, 1 ♂, 25-VI-2018.

Argyresthia kulfani Bengtsson & Johansson, 2012

ES: Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

Second Spanish record from the same province (cf. LAŠTŮVKA & LAŠTŮVKA, 2015).

Argyresthia trifasciata Staudinger, 1871

ES: Soria, Aldehuela de Calatañazor, 2 ♂♂, 1 ♀, beaten from *Juniperus thurifera*, 15-VI-2018.

The larva predominantly develops in the shoots of non-prickly *Juniperus* species, e.g. on *Juniperus sabina*, *J. virginiana* or *J. chinensis* in ornamental greenery, and it is known as invasive species in many parts of Europe. The geographical origin of this species is not well known, the Iberian Peninsula is one of the options, where the autochthonous species *Juniperus thurifera*, *J. phoenicea* and *J. sabina* could be the original hosts.

Argyresthia fundella (Fischer von Röslerstamm, 1835)

ES: Huesca, Saravillo, 1 ♀, 17-VI-2017; Lérida, Valle de Arán, Tredós, 1 ♂, 14-VI-2017.

The larva mines needles of *Abies* spp. For the first time given from the province of Lérida by LAŠTŮVKA & LAŠTŮVKA (2015); second and third Spanish records.

PLUTELLIDAE

Rhigognostis annulatella (Curtis, 1832)

ES: León, Viadangos de Arbas, 1 ♂, 22-VI-2017.

Rhigognostis incarnatella (Steudel, 1873)

ES: León, Viadangos de Arbas, 1 ♀, 22-VI-2017; Lérida, Valle de Arán, Tredós, 1 ♀, 14-VI-2017.

Both relatively sparsely recorded species of higher cooler locations, with trophic relation to some Brassicaceae (e.g. AGASSIZ, 1996).

LYONETIIDAE

Lyonetia prunifoliella (Hübner, 1796)

ES: Huesca, Espés, 1 ♂, 15-VI-2017.

Species so far known from the province of Barcelona (LAŠTŮVKA & LAŠTŮVKA, 2015); second Spanish record.

HELIODINIDAE

Heliodines roesella (Linnaeus, 1758)

ES: Asturias, Alto de la Farrapona, 3 ♂♂, 5 ♀♀, 18-VI-2018; Lérida, Valle de Arán, Tredós, 2 ♂♂, 1 ♀, 22-VI-2018; Huesca, Benasque-Cerler, 1 ♂, 26-VI-2016; always many other specimens observed around the host plant *Chenopodium bonus-henricus*.

SESIIDAE

The faunistic data are summarized and remarks on biology and distribution on the following Sesiidae are given by LAŠTŮVKA *et al.* (2000) and LAŠTŮVKA & LAŠTŮVKA (2014c), with additions in LAŠTŮVKA & LAŠTŮVKA (2015, 2017).

Paranthrene insolita polonica Schnaider, 1839

ES: Huesca, Espés, 1 ♂, 15-VI-2017.

Synanthedon scoliaeformis (Borkhausen, 1789)

ES: Lérida, Valle de Arán, Tredós, exit holes in *Betula* sp., 14-VI-2017.

Synanthedon cephiiformis Ochseneimer, 1808

ES: Lérida, Valle de Arán, Es Bordes, exit holes in *Abies alba*, 15-VI-2017.

Second Spanish record from the same province (cf. LAŠTŮVKA & LAŠTŮVKA, 2015).

Chamaesphecia mysiniiformis (Boisduval, 1840)

ES: Gerona, Sant Juan de las Abadesas, 1 ♂, 27-VI-2017; Soria, Aldehuela de Calatañazor, 1 ♂, 18-VI-2017.

Chamaesphecia ramburi (Staudinger, 1866)

ES: Soria, Aldehuela de Calatañazor, 4 ♂♂, 18-VI-2017, about 50 ex. observ., 23-VI-2017.

Chamaesphecia euceraeformis (Ochseneimer, 1816)

ES: Gerona, San Juan de las Abadesas, 2 ♂♂, 2 ♀♀, 28-VI-2017, San Pablo de Segurías, 1 ♂, 1 ♀, 28-VI-2017.

Additional records of this species from the province of Gerona (cf. LAŠTŮVKA *et al.*, 2000, CERVELLÓ, 2001).

Chamaesphecia empiformis (Esper, 1783)

ES: Huesca, Chía, larvae in the roots of *Euphorbia cyparissias*, 17-VI-2017, 1 ♂, 1 ♀, ex larva VII-2017.

The westernmost record of this species; so far known from the northern parts of the provinces Barcelona, Gerona, Lérida, and Huesca (c.f. GAVALDÁ, 1988, LAŠTŮVKA *et al.*, 2000, LAŠTŮVKA & LAŠTŮVKA, 2017).

BRACHODIDAE

Brachodes funebris (Feisthamel, 1833)

PT: Trás-os-Montes, Bemposta, 1 ♂, 16-VI-2018.

Species actually recorded in Alto Alentejo (CORLEY *et al.*, 2016) and Algarve (CORLEY *et al.*, 2018); third Portuguese record.

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