

- Larger thoracic setae black; at least C2, C3, F2 and F3 extensively darkened ..... 11
  - 11 T2 with apical spur rather short (at most as long as limb is deep); legs darker with paler parts brownish rather than yellow, F1 black on at least basal half; small species (1.5-1.8 mm) ..... *celer* (Meigen, 1822) sensu Wéber, 1975 [not British]
  - T2 with apical spur sharply pointed, long (obviously longer than limb is deep); legs with contrasting yellow and black markings; larger (1.7-2.6 mm) ..... 12
  - 12 Acrostichals 4-serial; C1 yellow; C2, C3, most of F2 and F3 on distal half black ..... *rapidus* (Meigen, 1822)
  - Acrostichals irregularly 6-serial; legs more extensively black, F1 with only tip yellow and F3 almost entirely black ..... *rapidoides* Chvála, 1975
  - 13 Large thoracic setae brownish ..... *bilobatus* Wéber, 1972 (♀)
  - Large thoracic bristles black ..... 14
  - 14 Thoracic pleura subshining, katapisternum and anepimeron polished black; small (2 mm) ..... *pygmaeus* (Meigen, 1838)
  - Thoracic pleura dusted except polished katapisternum ..... 15
  - 15 Postpronotal lobe [humerus] more or less shining on outer face. Legs yellow (♂) or extensively darkened (♀); antenna with postpedicel 1.5x long as deep, stylus 1.5x as long; larger (2.4-3.6 mm) ..... *agilis* (Meigen, 1822)
  - Postpronotal lobe [humerus] dusted; relative proportions of postpedicel and stylus otherwise; smaller (2-3 mm) ..... 16
  - 16 Antenna with postpedicel 2.5x long as deep, stylus about same length; acrostichals pale; larger thoracic setae blackish (♂) or brownish (♀); femora extensively darkened with paler tip (♂) but F2 and F3 blackish only apically in ♀ ..... *bilobatus* Wéber, 1972
  - Antenna with postpedicel 1.5x long as deep, stylus c. 2x as long or more; acrostichals black; larger thoracic setae always black; legs yellow in both sexes with dark dorsal strip on F2 and distal half of F3 black ..... *pseudorapidus* Kovalev, 1971 [not British]
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## Records of Conopidae (Diptera) from the North Aegean islands of Chios and Lesvos, Greece

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### Summary

Records of 24 species of Conopidae from the Greek islands of Chios (12 species) and Lesvos (20 species) are presented. Flower visits are also reported for 17 of the recorded species. *Thecophora longirostris* Lyneborg, 1962 and *T. bimaculata* (Preysslser, 1791) are reported from Greece for the first time.

### Introduction

Knowledge concerning the conopid fauna of Greece is poor. The most up-to-date faunistic survey is that by Stuke and Standfuss (2007) who reported 30 species from Thessalia, in the eastern-central mainland of Greece. Other records in the literature are often historical and fragmentary in nature. In total there are about 50 species of Conopidae recorded from Greece to date.

The islands of Chios and Lesvos have been found to be very rich in insect species, such as bees (Potts *et al.* 2006, Nielsen *et al.* 2011), hoverflies (Ståhls *et al.* 2009, Petanidou *et al.* 2011) and other pollinator species (Petanidou, unpublished data). The observed species diversity is probably related to high habitat diversity, especially on Lesvos, which is particularly impressive considering it is an island. The observed diversity is even more interesting because it encompasses anatolian elements due to the geographical location of the islands. Situated in the north-east of the Aegean Sea, and being close to Turkey, Lesvos and Chios can be expected to support additional species of Conopidae occurring in the Turkish mainland but which have so far not been reported from Europe (e.g. Stuke *et al.* 2008). For this reason we believe that the study of the conopids of Lesvos and Chios is of considerable relevance to the investigation of the European conopid fauna. Whilst being based on only a relatively small collection of conopids, given that several additional species can be expected to occur on Lesvos and Chios, we believe that this paper represents an important step towards a better understanding of the distribution of conopids on the European continent. The present study also presents observations on the flowers visited by different species of Conopidae, which appear to be the first such records from the eastern Mediterranean area.

### Material and methods

The study material comprised a total of 262 specimens. All of these were collected by hand-netting on the islands of Chios and Lesvos during the years 1996 to 2010. Most of the material from Lesvos was collected within the framework of the ALARM project (Settele *et al.* 2005). Where no other information is given to the contrary, the determination of species is

in accordance with Chvála (1961, 1965), Kröber (1915), Stuke (2002, 2006), Mei and Stuke (2008) and Stuke and Clements (2008). Identified specimens have been deposited in the Melissotheque of the Aegean at the University of the Aegean, Mytilene, Greece (Melissotheque), in the private collections of D.K. Clements and J-H. Stuke, while most specimens collected by M.J. Taylor are now in the World Museum Liverpool collection. Plant names and identification follow Tutin *et al.* (1964-1980) and in a few cases Bazos (2005). The following abbreviations are used for collectors: AG A. Grace, AKa A. Kamtsa, Aky A. Kyriakopoulos, CP C. Petsikos, CZ C. Zografou, De Dessomme, EL E. Lamborn, HD H. Dahm, MA M. Apostolopoulos, MG M. Greenwell, MH M. Hull, MJS M.J. Smart, MJT M.J. Taylor, MK M. Kapsali, OM O. Messinger, TP T. Petanidou.

## Results

Twenty-four different taxa are recorded, 12 species from Chios and 20 species from Lesvos.

### *Brachyceraea brevicornis* (Loew, 1847)

**Chios:** 1♂ Aghia Markella [38°28.87'N 25°53.18'E], 1.vii.1999, MJT; 1♂ same data, 6.vii.1999, MJT; 1♂ 3♀ Nr Dotia [38°09.91'N 25°59.66'E], 7.vi.2000, MJT; 1♀ Elinta [38°23.51'N 25°59.55'E], 5.vii.1999, MJT; 1♀ Nr Fyta [38°31.75'N 26°00.46'E], 5.vii.1997, MJT; 1♂ 1♀ Fyta [38°31.67'N 26°00.33'E], 7.vii.1999, MJT; 1♂ 2♀ Kampia Beach [38°35.77'N 25°58.69'E], 28.vi.1999, MJT; 1♂ Kampia Beach [38°35.81'N 25°58.70'E], 8.vii.1999, MJT; 1♀ Kato Fana [38°12.54'N 25°55.72'E], 12.vii.1999, MJT; 1♂ Kipouris [38°30.14'N 25°59.63'E], 14.vi.1996, MJT; 2♂ Leptopoda [38°34.97'N 25°57.07'E], 8.vii.1999, MJT; 1♀ Marmaro Marsh [38°32.35'N 26°07.04'E], 27.vi.1999, MJT. **Lesvos:** 1♀ Agiassos, 55m [39°04.53'N 26°22.48'E], 4.vi.2003, MH; 1♂ 1.6km NW Parakoila [39°11.00'N 26°07.68'E], 2.v.2004, OM.

*Brachyceraea brevicornis* has been found previously in Greece, albeit only rarely (Kröber 1915, 1927, 1936; von Röder 1892; Stuke *et al.* 2008). Altogether these are the only European records for this species that are so far known.

### *Conops flavicauda* (Bigot, 1880)

**Chios:** 1♀ Elinta [38°23.60'N 25°59.40'E], 18.ix.1998, MJT; 1♀ Giosonas [38°34.20'N 26°04.60'E], 29.viii.1997, MJT; 2♂ 1♀ Kampia Beach [38°35.83'N 25°58.75'E], 20.viii.1997, MJT; 1♀ same data, 22.viii.1997, MJT; 2♂ Kampia Beach [38°35.81'N 25°58.70'E], 8.vii.1999, MJT; 1♀ Kato Fana [38°23.33'N 26°00.46'E], 17.ix.2003, MJT; 1♂ Nr Limenas [38°27.89'N 25°57.20'E], 16.viii.1998, MJT; 1♂ Nr Limenas [38°18.50'N 25°58.30'E], 28.viii.1997, MJT; 1♂ Siderounta [38°25.90'N 25°57.50'E], 25.viii.1997, MJT.

This is another species which reaches its western distributional boundaries in Greece, and which has been recorded in Europe only from Greece and Cyprus (Janssens 1955, Stuke and Kehlmaier 2008, Stuke *et al.* 2008). On Chios it is common on *Crithum maritimum*. Chvála and Smith (1988) cited this species as *Conops flavicaudus* to agree in gender with the generic name *Conops* but *flavicauda* was a noun in apposition when described by Bigot under the neuter generic name *Sphixosoma* Rondani, 1857, now treated as a synonym of *Conops*, and should remain unchanged in combination with another generic name.

### *Conops flavifrons* Meigen, 1824

**Chios:** 1♀ Kato Fana [38°12.54'N 25°55.72'E], 12.vii.1999, MJT; 1♀ Managros [38°27.89'N 25°56.28'E], 23.vii.1997, MJT; 1♀ Skariotis [38°28.56'N 25°56.43'E], 26.vi-5.vii.2001, MJT. **Lesvos:** 1♂ 2.6km N Assomatos [39°07.30'N 26°24.02'E], 6.vii.2004, HD; 1♀ river east of Kalloni, 19.vii.2006, on *Mentha spicata*; 1♀ Komi [39°11.80'N 26°24.03'E], on *Origanum onites*, 28.vi.2005, HD; 2♀ 1.25km S Pigi [39°10.23'N 26°25.18'E], on *Coridothymus capitatus*, 1.vii.2004, EL; 2♀ same data, HD; 2♀ Mystegna [39°12.35'N 26°29.05'E], on *Eryngium creticum*, 10.vii.2009, AKa.

### *Conops silaceus* Wiedemann, 1824

**Lesvos:** 1♂ Gavathas [39°16.65'N 25°58.64'E], 10.vii.2007, MH.

### *Melanosoma bicolor* Meigen, 1824

**Chios:** 1♂ Gridia [38°13.07'N 26°06.10'E], 16.vi.2001, MJT.

### *Dalmannia aculeata* (Linnaeus, 1761)

**Lesvos:** 1♀ Pigi [39°10.10'N 26°25.17'E], on *Leontodon tuberosus*, 21.iv.2005, HD; 1♀ Scopelos [39°01.80'N 26°26.50'E], on *Cistus creticus*, 26.iv.2005, MA; 1♀ same data, 23.v.2005, HD.

### *Dalmannia punctata* (Fabricius, 1794)

**Lesvos:** 1♂ Pigi [39°10.10'N 26°25.17'E], on *Leontodon tuberosus*, 21.iv.2005, HD.

### *Myopa buccata* (Linnaeus, 1758)

**Chios:** 2♂ 1♀ Aghioi Pateres [38°22.33'N 26°03.04'E], 24.iv.2002, MJT; 2♂ Amahdes [38°34.60'N 26°01.75'E], 1-10.iv.2000, MJT; 1♂ Anavatos [38°23.33'N 26°01.77'E], 21.iii.1996, MJT; 1♂ Anavatos [38°23.93'N 26°01.58'E], 5.v.2000, MJT; 1♀ Nr Armolia [38°16.85'N 26°02.97'E], 25.iv.1997, MJT; 1♀ Nr Armolia [38°16.95'N 26°02.95'E], 4.v.1998, MJT; 1♀ same data, 4.v.1999, MJT; 1♂ Chios, 18.iv.1997, MJT; 1♂ Fyta [38°31.67'N 26°00.33'E], 25.iii.2000, MJT; 1♂ Nr Gridia [38°16.42'N 26°05.58'E], 2.iv.1999, MJT; 1♂ Katarraktis [38°16.71'N 26°05.46'E], 29.iv.2000, MJT; 1♂ same data, 13.v.2000, MJT; 2♂ Katarraktis [38°16.23'N 26°05.65'E], 21.iii.2001, MJT; 1♂ Kato Fana [38°12.46'N 25°55.62'E], 27.iii.2003, MJT; 1♀ Kipouris [38°30.51'N 25°59.61'E], 22.iii.2002, MJT; 1♂ Thimiana [38°19.50'N 26°08.45'E], 16.v.1998, MJT. **Lesvos:** 2♀ Agiassos, 647m [39°04.02'N 26°22.13'E], 25.iv.2010, MH; 1♂ 3.8km SSE Agiassos [39°03.28'N 26°23.83'E], 24.v.2004, AKy; 1♂ 1.3km WSW Loutra, [39°03.48'N 26°32.12'E], 26.iii.2004, HD; 1♂ same data, 5.v.2005, on *Anthemis* sp., TP; 1♂ 2.85km SW Moria [39°07.30'N 26°29.52'E], 11.iv.2004, OM; 1♂ same data, on *Anthemis arvensis*, 15.iii.2005, EL; 3♂ 2.2km SE Mystegna [39°12.25'N 26°29.12'E], 23.iii.2004, HD; 1♂ 10km S Mytilene [39°00.85'N 26°35.43'E], on *Sarcopoterium spinosum*, 28.iii.2004, OM; 1♂ 3.0km W Mytilene [39°06.32'N 26°31.43'E], 22.iii.2004, HD; 1♂ same data, on *Asphodelus aestivus*, 20.iv.2004, MG; 1♂ 8.9km SSE Mytilene [39°02.27'N 26°36.22'E], 20.iii.2004, HD; 1♀ 2.2km N Pigi [39°11.95'N 26°24.95'E], on *Echium plantagineum*, 22.iii.2005, AG; 1♂ 4.6km N Plomari [39°01.28'N 26°22.47'E], on *Anthemis arvensis*, EL.

### *Myopa dorsalis* Fabricius, 1794

**Lesvos:** 1♀ 1.25km S Pigi [39°10.23'N 26°25.18'E], 19.v.2004, HD; 1♀ River Potamia 5km NW Skala Kalonis, 278m [39°13.83'N 26°09.82'E], 3.vi.2003, MH; 1♀ Thermi [39°10.02'N 26°30.20'E], on *Cistus creticus*, 12.v.2005, HD; 1♀ 1km N Vatera [39°01.87'N 26°11.67'E], on *Brassica nigra*, 10.v.2004, OM.

### *Myopa pellucida* Robineau-Desvoidy, 1830

**Chios:** 1♀ Nr Armolia [38°16.85'N 26°02.99'E], 12.iv.2000, MJT; 1♂ Nr Gridia [38°23.33'N 26°06.17'E], 8.v.1997, MJT; 1♀ Kampia [38°35.83'N 25°58.68'E], 28.iv.2000, MJT; 1♂ Katarraktis [38°16.38'N 26°05.58'E], 19.iv.1998, MJT; 1♀ Kato Fana [38°12.49'N 25°55.73'E], 18.iv.1999, MJT; 1♀ Merikunda [38°16.55'N 25°53.41'E], 2.v.2000, MJT; 1♀ Viki [38°23.33'N 26°01.17'E], 16.iv.1998, MJT. **Lesvos:** 1♀ Agiassos [39°04.66'N 26°22.20'E], 24.iv.2001, MJT; 1♂ 3.5km S Agiassos [39°03.15'N 26°22.95'E], 23.v.2004, AKy; 1♀ 2.0km SSE Agiassos [39°04.15'N 26°23.28'E], on *Smyrniotum rotundifolium*, 22.v.2004, AKy; 1♀ 1.5km WSW Lisvori [39°06.15'N 26°11.98'E], 2.iv.2007, TP; 1♀ 1.0km N Mytilene [39°07.28'N 26°32.90'E], 25.iii.2004, HD; 1♀ 1km N Vatera [39°01.87'N 26°11.67'E], 12.iv.2004, on *Onobrychis caput-galli*, MG.

This is the *Myopa extricata* Collin, 1960 of previous authors – see Stuke and Clements (2008).

### *Myopa picta* Panzer, 1798

**Lesvos:** 1♀ Lesvos Xenia (University) Hill [39°05.02'N 26°34.27'E], 6.iv.2006, AG; 1♀ 2.2km SE Mystegna [39°12.25'N 26°29.12'E], on *Anthemis arvensis*, 25.iii.2004, OM; 1♂ 8.9km SSE Mytilene [39°02.27'N 26°36.22'E], 5.iv.2004, HD.

### *Myopa stigma* Meigen, 1824

**Lesvos:** 1♀ 1.3km WSW Loutra [39°03.48'N 26°32.12'E], on *Crepis commutata*, 1.v.2004, De; 1♀ 5.7km NW Madamados [39°21.32'N 26°17.87'E], 30.iv.2004, HD; 1♀ 3.0km W Mytilene [39°06.32'N 26°31.43'E], on

*Crepis commutata*, 3.v.2004, EL; 1♀ same data, 15.v.2004, EL; 2♂ Pigi [39°10.10'N 26°25.17'E], 21.iv.2005, HD; 1♀ 1.25km S Pigi [39°10.23'N 26°25.18'E], 11.iv.2004, HD; 2♀ Tarti [38°58.37'N 26°27.49'E], on *Taraxacum* sp., 25.iv.2005, HD; 1♀ 2.45km W Vatousa [39°13.85'N 26°01.38'E], on *Moenchia mantica*, 29.iv.2004, EL.

Stuke and Clements (2008) distinguished *Myopa arabica* Macquart, 1850 as a separate taxon from *M. stigma*. Using the characters they suggested, some of the specimens reported here could be identified as *M. arabica*. However, having seen more material from both taxa, the distinction between them, which was based on colour characters, now seems somewhat doubtful; therefore all specimens from Lesvos are here reported as *M. stigma*.

#### *Myopa testacea* (Gmelin, 1790)

**Lesvos:** 1♀ 4km SSE Agiasos, Alt 745m [39°03.35'N 26°23.85'E], 29.iv.2010, MH.

#### *Physocephala lacera* (Meigen, 1824)

**Chios:** 1♂ Aghios Ioannis [38°13.08'N 26°04.16'E], 4.vii.1999, MJT; 2♀ Agiasmata [38°35.25'N 25°56.24'E], 8.vii.1999, MJT; 1♂ Elinta [38°23.60'N 25°59.44'E], 7.ix.1998, MJT; 1♂ Karintas [38°11.74'N 25°57.20'E], 12.vii.1999, MJT; 1♂ Katarraktis [38°16.51'N 26°05.48'E], 18.ix.1998, MJT; 1♀ Katarraktis [38°16.43'N 26°05.55'E], 15.vii.1999, MJT; 1 specimen, Kato Fana [38°23.33'N 25°55.70'E], 1.viii.1997, MJT; 1♂ 1♀ Kato Fana [38°12.54'N 25°55.72'E], 12.vii.1999, MJT; 1♂ Yiosonas [38°34.20'N 26°04.60'E], 29.viii.1997, MJT. **Lesvos:** 1♀ 4.25km NW Lambou Myloi [39°10.17'N 26°22.13'E], 2.vi.2004, on *Anthyllis hermannaiae*, OM; 1♀ Lesvos Xenia (University) Hill [39°05.02'N 26°34.27'E], 8.x.2005, AG; 1♂ same data, 13.vii.2005, AG; 1♀ 8.9km SSE Mytilene [39°02.27'N 26°36.22'E], on *Coridothymus capitatus*, 16.vi.2006, CP; 1♀ 3.0km SE Mytilene [39°04.93'N 26°34.28'E], on *Coridothymus capitatus*, 12.vii.2006, CP; 1♀ 4.77km W Plomari [38°59.15'N 26°18.88'E], on *Vitex agnus-castus*, 18.viii.2006, CZ; 1♀ River Potamia 5km NW Skala Kallonis [39°12.67'N 26°10.00'E], 24.vi.1999, MH.

Some of the specimens here reported as *Physocephala lacera* would be identified as *P. antiqua* (Wiedemann, 1830) according to Kröber (1936). The colour characters used by Kröber can easily lead to misinterpretations, however, and are of dubious taxonomic validity. A revision of the European species of *Physocephala* is currently underway (Stuke in prep.).

#### *Physocephala laticincta* (Brullé, 1832)

**Chios:** 1 specimen, Nr Gridia [38°13.12'N 26°06.09'E], 16.v.1998, MJT; 1♀ Nr Gridia [38°13.08'N 26°06.09'E], 14.iv.1999, MJT; 1♀ Katarraktis [38°16.65'N 26°05.53'E], 23.vi.1999, MJT; 1♀ Leptopoda [38°33.73'N 25°56.77'E], 3.iv.2001, MJT.

#### *Physocephala pusilla* (Meigen, 1804)

**Chios:** 1♀ Nr Issidoros [38°27.95'N 25°59.62'E], 30.vii.1997, MJT; 1♂ Nr Issidoros [38°28.00'N 25°59.66'E], 2.vi.1998, MJT; 1♀ Managros [38°27.89'N 25°56.28'E], 1.vii.1997, MJT.

#### *Physocephala vaginalis* (Rondani, 1865)

**Lesvos:** 1♀ 0.9km SW Loutra [39°03.00'N 26°32.33'E], on *Coridothymus capitatus*, 2.vii.2006, CP; 1♀ 3.0km W Mytilene [39°06.32'N 26°31.43'E], 9.vii.2004, MA; 1♀ Skala Kalonis [39°12.37'N 26°13.05'E], 21.ix.2002, MH.

#### *Physocephala vittata* (Fabricius, 1794) Agg.

**Chios:** 1♂ Aghia Irene [38°18.64'N 25°58.45'E], 1.x.1998, MJT; 1♂ Aghia Markella [38°28.87'N 25°53.18'E], 6.vii.1999, MJT; 1♂ Nr Armolia [38°16.87'N 26°03.01'E], 17.ix.1995, MJT; 1♂ Nr Armolia [38°16.84'N 26°03.02'E], 17.ix.1995, MJT; 1♂ Nr Armolia [38°17.20'N 26°03.05'E], 30.iv.1996, MJT; 1♂ Nr Armolia [38°17.11'N 26°03.06'E], 29.iv.1999, MJT; 1 specimen, Armolia Valley [38°16.85'N 26°06.28'E], 6.v.2004, MJT; 2 specimens, Nr Dotia [38°23.33'N 25°59.60'E], 10.ix.1997, MJT; 1♂ Elata [38°17.59'N 25°58.66'E], 4.v.1996, MJT; 1♂ Elinta [38°23.76'N 26°59.54'E], 13.ix.1997, MJT; 1♂ Elinta [38°23.60'N 25°59.44'E], 7.ix.1998, MJT; 1♂ Elinta [38°23.60'N 25°59.40'E], 18.ix.1998, MJT; 1♂ Elinta [38°23.67'N 25°59.54'E], 8.v.1999, MJT; 1♂ Emporios [38°11.53'N 26°01.35'E], 22.iv.1996, MJT; 1♂ Gridia [38°13.04'N 26°06.15'E],

14.ix.1998, MJT; 1♂ Gridia [38°13.11'N 26°06.13'E], 24.ix.1998, MJT; 1♀ Gridia [38°13.07'N 26°06.05'E], 13.iv.2000, MJT; 1♂ Gridia [38°13.11'N 26°06.00'E], 28.iii.2001, MJT; 2♂ same data, 3.iv.2001, MJT; 3♂ Nr Gridia [38°16.26'N 26°05.40'E], 15.v.1996, MJT; 2♂ Nr Gridia [38°13.12'N 26°06.09'E], 16.v.1998, MJT; 2♂ Nr Gridia [38°13.03'N 26°06.12'E], 30.ix.1999, MJT; 1♂ Kalamoti [38°14.80'N 26°03.77'E], 12.v.1996, MJT; 1♂ Kambia Beach [38°35.81'N 25°58.70'E], 8.vii.1999, MJT; 2♂ Kambia Gorge [38°34.71'N 25°58.78'E], 21.v.2003, MJT; 1♀ Karintas [38°11.74'N 25°57.20'E], 12.vii.1999, MJT; 1♂ Katarraktis [38°16.42'N 26°05.59'E], 24.iv.1996, MJT; 1♂, 2♀ Katarraktis [38°16.38'N 26°05.62'E], 11.viii.1997, MJT; 1♂ Katarraktis [38°16.41'N 26°05.55'E], 6.v.1998, MJT; 1♂ Katarraktis [38°16.51'N 25°57.47'E], 18.ix.1998, MJT; 1♂ Katarraktis [38°16.42'N 26°05.58'E], 20.iv.1999, MJT; 1♂ Katarraktis [38°16.43'N 26°05.55'E], 9.vii.1999, MJT; 1♂ same data, 15.vii.1999, MJT; 1♂, 1♀ Katarraktis [38°16.71'N 26°05.46'E], 29.iv.2000, MJT; 1♂ same data, 16.x.2001, MJT; 1♀ Katarraktis [38°16.23'N 26°05.65'E], 21.iii.2001, MJT; 1♂ Kato Fana [38°12.52'N 25°55.70'E], 3.ix.1997, MJT; 1♂ same data, 7.x.1997, MJT; 1♂ Kato Fana [38°12.50'N 25°55.72'E], 20.iv.1998, MJT; 1♀ Kato Fana [38°12.49'N 25°55.73'E], 18-25.iv.1999, MJT; 1♂ 1♀ same data, 5-14.ix.1999, MJT; 1♀ same data, 29.ix-2.x.1999, MJT; 5♂ 1♀, 1 specimen, same data, 14-20.ix.1999, MJT; 1♂, 1♀ Kato Fana [38°12.46'N 25°55.73'E], 20.ix.1999, MJT; 1♀ Kato Fana [38°12.54'N 25°55.72'E], 2.iv.2000, MJT; 1♂ Leptopoda [38°33.73'N 25°56.77'E], 3.v.2001, MJT; 1♂ Managros [38°27.89'N 25°56.37'E], 29.v.1998, MJT; 1♂ Managros [38°27.91'N 25°56.29'E], 4.v.2001, MJT. **Lesvos:** 1♂ Gavathas Kambos [39°16.52'N 25°58.93'E], 27.ix.2002, MH; 2♂ 2.5km S Gavathas [39°14.90'N 25°59.00'E], 5.v.2010, MH; 1♂ Komi [39°11.80'N 26°24.03'E], on *Echium plantagineum*, 16.v.2005, HD; 1♂ 1.3km N Koudouroudia [39°03.52'N 26°30.97'E], on *Coridothymus capitatus*, 1.vii.2006, CP; 1♂ same data, 9.vii.2006, CP; 1♀ 1.5km WSW Lisvori [39°06.15'N 26°11.98'E], on *Trifolium boissieri*, 12.iv.2004, OM; 2♂ 1.3km WSW Loutra [39°03.48'N 26°32.12'E], 24.v.2004, EL; 1♂ 1.8km S Molyvos [39°21.25'N 26°10.65'E], on *Trifolium nigrescens*, 30.iv.2004, EL; 1♂ Moni Perivolis [39°14.77'N 26°00.15'E], 31.iv.2010, MH; 1♂ 10km S Mytilene [39°00.85'N 26°35.43'E], on *Lavandula stoechas*, 8.iv.2004, HD; 1♂ 3.0km W Mytilene [39°06.32'N 26°31.43'E], 3.v.2004, EL; 1♂ 8.9km SSE Mytilene [39°02.27'N 26°36.22'E], 21.v.2004, OM; 1♂ 9.1km S Mytilene [39°02.32'N 26°35.97'E], on *Cardopatum corymbosum*, 22.vi.2004, MA; 1♂ 2.2km SE Mystegna [39°12.25'N 26°29.12'E], on *Teucrium divaricatum*, 15.vi.2004, MA; 1♂ same data, 15.vi.2004, EL; 1♂ 1.5km NE Parakoila [39°11.68'N 26°09.92'E], on *Echium plantagineum*, 27.iv.2005, EL; 1♀ River Almiropotamus 1.7km NW Vatera [39°01.82'N 26°10.50'E], 25.v.2010, MH; 1♂ River Christou 2km W of Dafia [39°14.03'N 26°10.70'E], 22.iv.2002, MH; 1♂ River Christou 2km W of Dafia [39°14.00'N 26°10.57'E], 27.iv.2002, MH; 1♂ River Christou 2km W of Dafia [39°14.12'N 26°10.57'E], 22.ix.2002, MH; 1♂ River Potamia 5km NW Skala Kallonis [39°12.40'N 26°10.27'E], 26.iv.2002, MH; 1♂ River Potamia 8km NW Skala Kallonis [39°13.32'N 26°08.17'E], 30.v.1998, MH; 1♂ 1♀ Vassilika [39°06.52'N 26°14.27'E], on *Onobrychis caput-galli*, 28.v.2005, HD; 1♀ Vatera, 59m [39°01.38'N 26°10.53'E], 2.vi.2003, MH; 1♂ 1km N Vatera [39°01.87'N 26°11.67'E], 7.vi.2004, EL.

There are a number of taxa described in the genus *Physocephala* which appear to be forms of *P. vittata*, being distinguished primarily by coloration or pleural dusting characters which are known to be very variable and of dubious taxonomic validity. Stuke and Standfuss (2008) reported a series of specimens from Thessalia belonging to a relatively dark-coloured morph, which was identified as *P. fraterna* (Loew, 1847). The specimens from Lesvos are often, although not always, lighter in coloration and do not accord with typical *P. fraterna*, fitting better with central European specimens of *P. vittata* or the lighter coloured form described as *P. abdominalis* Kröber, 1915.

#### *Sicus ferrugineus* (Linnaeus, 1761)

**Lesvos:** 1♀ 1.8km S Molyvos [39°21.25'N 26°10.65'E], on *Cistus creticus*, 30.iv.2004, EL; 1♀ 4.6km N Plomari [39°01.28'N 26°22.47'E], on *Cistus creticus*, 12.vi.2004, MG; 1♀ 1km N Vatera [39°01.87'N 26°11.67'E], on *Cistus creticus*, 10.v.2004, OM.

#### *Thecophora atra* (Fabricius, 1775)

**Chios:** 1♀ Marmaro Marsh [38°32.26'N 26°06.99'E], 22.x.2001, MJT. **Lesvos:** 1♀ Prophitis Ilias, 4.52km SE Vatousa [39°12.62'N 26°06.03'E], on *Hypochoeris radicata*, 23.vi.2004, EL; 1♀ same data, on *Cistus creticus*, 23.vi.2004, OM.

#### *Thecophora bimaculata* (Preyßler, 1791)

**Lesvos:** 1♀ Parakoila [39°09.82'N 26°08.67'E], 29.v.2003, MH.

*Thecophora bimaculata* has been overlooked for a long time in Europe where this commonly occurring species has, together with *T. cinerascens* Meigen, 1804, previously been reported as *T. pusilla* auct., until Stuke (2006) revised and segregated the species. *Thecophora bimaculata* is therefore reported herewith for the first time from Greece.

#### *Thecophora longirostris* Lyneborg, 1962

**Lesvos:** 1♀ 3.5km S Agiassos [39°03.15'N 26°22.95'E], on *Taraxacum* sp., 22.vi.2004, MK; 1♂ 3.8km SSE Agiassos [39°03.28'N 26°23.83'E], on *Crepis* sp., 23.vi.2004, MK; 1♀ 3.8km SSE Agiassos [39°03.15'N 26°22.95'E], on *Matricaria chamomilla* var. *recutita*, 23.vi.2004, MK.

*Thecophora longirostris* is a rare but widely distributed European species that has not been recorded from Greece before.

#### *Thecophora* species (*atra*-group)

**Chios:** 1♂ Kato Fana [38°12.49'N 25°55.73'E], 30.iv-7.v.1999, MJT; 1 specimen, Kato Fana [38°12.52'N 25°55.67'E], 2.vii.1999, MJS; 1 specimen, Pelinaeon [38°34.47'N 26°00.29'E], 14.v.2003, MJT. **Lesvos:** 1♂ 3.8km SSE Agiassos [39°03.28'N 26°23.83'E], on the flower heads of *Taraxacum* sp., 10.vi.2004, AKY; 1♂ 1.25km S Pigi [39°10.23'N 26°25.18'E], 19.v.2004, HD; 1♂ same data, OM; 1♂ same data, on *Origanum onites*, 5.vi.2004, HD.

These males belong to the *Thecophora atra* group, of which only females can currently be identified to species.

#### *Zodion cinereum* (Fabricius, 1794)

**Lesvos:** 1♀ 1.5km WSW Lisvori [39°06.15'N 26°11.98'E], on *Centaurea solstitialis*, 13.vii.2004, MA; 2♀ 10km S Mytilene [39°00.85'N 26°35.43'E], 23.iv.2004, HD; 1♂ 3.0km W Mytilene [39°06.32'N 26°31.43'E], on *Crepis commutata*, 25.v.2004, HD.

#### Acknowledgements

The collection of specimens from Lesvos has been funded by the European FP6 Integrated Project ALARM (GOCE-CT-2003-506675; Settele *et al.* 2005).

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