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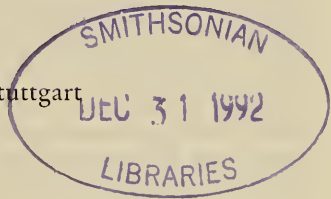
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Tachinidae (Diptera) from the Iberian Peninsula and Mallorca

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With 2 figures



Summary

Data are given on the distribution and ecology of 315 species of Tachinidae collected by the author from the Iberian Peninsula (Spain and Portugal) and Mallorca between 1979 and 1990. 119 species are recorded from the Iberian Peninsula for the first time, and 32 species from Mallorca. Short details on morphology are given for a few species. A new species, *Phorocera atricans* n. sp. is described. Literature records are also included, allowing this paper to be used also as a preliminary checklist for the Tachinidae from the Iberian Peninsula and the Balearic Islands.

Zusammenfassung

Diese Arbeit enthält Daten zur Verbreitung und Ökologie von 315 Tachinen-Arten, die vom Autor zwischen 1979 und 1990 auf der Iberischen Halbinsel (Spanien und Portugal) sowie Mallorca gesammelt wurden. 119 Arten werden zum ersten Mal für Spanien, 32 Arten zum ersten Mal für Mallorca nachgewiesen. Für wenige Arten werden kurze Angaben zur Morphologie gegeben. Eine neue Art, *Phorocera atricans* n. sp., wird beschrieben. Diese Zusammenstellung kann auch als ein vorläufiges Verzeichnis der Tachinidae der Iberischen Halbinsel und der Balearen benutzt werden, weil die Meldungen in der Literatur berücksichtigt sind.

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1. Introduction

This paper is a result of twelve collecting trips to the Iberian Peninsula and Mallorca during the years 1979–1990.

It is based on more than 15,000 specimens of Tachinidae, although part of this material was not collected, but only observed and counted. A total of 315 species were collected. 119 of them are new to the Iberian Peninsula, and 32 to Mallorca. The material has been deposited in the Naturkundemuseum Stuttgart.

The arrangement in chapter 2 is as follows.

The valid name of each species is followed by the data for the material collected by the author. I have included all the material collected by myself in Spain and Portugal except some specimens of *Gymnosoma* and *Leucostoma* which still await determination. In addition, females of the *Meigenia mutabilis* group and the *Exorista rustica* group are not currently separable and are omitted. Following each date, the number of specimens collected or observed during one collecting day is given in brackets. Where the number in brackets is omitted, only a single specimen was collected or observed. The provinces of Spain are arranged from North to South. Altitude is only given for mountainous localities. Arrangement of species and nomenclature follows HERTING (1984).

Following the collection data, observations on ecology are given, as far as were made by the author. This concerns especially the flowers visited by the Tachinidae. The species of flowers are arranged in descending order of importance for each Tachinidae, but not all plants have been determined. A list of the plants mentioned in this paper is given in chapter 3. Details on morphology are given for a few species, where it seemed to be necessary or useful.

There are only three general papers dealing with Spanish and Portuguese Tachinidae (CZERNY & STROBL 1909, ARIAS 1912a and HERTING 1969). Most of the other records are scattered in the literature, often under various synonyms and based on very few specimens. Many older determinations are unreliable and need to be confirmed. All the records I have found in the literature are incorporated into this paper. Therefore it can be used also as a preliminary checklist for the Tachinidae from the Iberian Peninsula and the Balearic Islands. I have omitted only the records of RÖDER (1872, 1884), because most of his determinations are doubtful and need to be confirmed.

It is certain, that in the Iberian Peninsula and the Balearic Islands there exist more species of Tachinidae than are included in this paper. This concerns especially the Northwestern part of Spain, where one might expect to find many species which are more common in Central Europe.

The data dealt with are part of a database for faunistic and ecological records of European Tachinidae which is currently being compiled by the author.

2. The species

2.1. Exoristinae

Exorista larvarum Linnaeus

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (3); 5 km SW. of Padrón, 9. IX. 86 (6). — Prov. Gerona: Viladamat, 25. IX. 86 (2). — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 10. V. 83, 7. VI. 83, 12. VI. 83 (6), 6. VI. 87 (3), 8. VI. 87, 21. VI. 87 (3), 22. VI. 87 (4), 28. V. 89 (3), 29. V. 89 (2), 11. VI. 89 (2), 13. VI. 89 (3), 16. VI. 90, 18. VI. 90, 23. VI. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (3), 5. VI. 87. — Prov. Cáceres: Casas de Don Antonio, 10. V. 80; Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2); SW. of Guadalupe, 3. VI. 87. — Prov. Murcia: 2 km S. of Puerto Lumbreras, 29. IV. 80.

On flowers of Umbelliferae or swept from low vegetation. — Recorded from Spain by ARIAS (1912b:392) and in OILB-lists 4:220, 5:353, 10:44 and 11:40.

Exorista segregata Rondani

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 24. VI. 82, 13. VI. 83, 24. V. 87, 6. VI. 87, 29. V. 89, 22. VI. 90, 1. VII. 90; Villar de Ciervo, Peña de la Campana, 30. V. 89; Villar de Ciervo, Puente Quebrada, 10. VI. 89, 12. VI. 89 (3); Rio Agueda near Castillejo de Martin Viejo, 14. IX. 84, 16. IX. 86; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87, 8. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Almería: 5 km NW. of Sorbas, 5. V. 88. — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87 (2); Rio Guadalfeo, S. of Orgiva, 2. V. 80. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87 (6), 4. VI. 89. — Prov. Málaga: NW. of Ronda, 27. V. 83 (3). **Portugal** — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86; 4 km N. of Vilar Formoso, 8. VI. 82. — Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83; 3 km N. of Lagos, 19. VI. 82 (8), 20. VI. 82 (6); 10 km W. of Lagos, 3. VI. 83 (3), 6. VI. 83.

On flowers of Umbelliferae. — Recorded from Spain by STEIN (1924:115), BENLLOCH & CAÑIZO (1934) (as *Tricholyga segregata* Rnd.), ROMANYK & RUPEREZ (1960:231) (as *Tricholyga grandis* Zett.), HERTING (1969:207) and in OILB-lists 4:220, 5:353 and 10:44. The record of *Exorista fasciata* Fallén from Portugal by SILVA & NOGUEIRA (1965:59) may refer to this species.

Exorista grandis Zetterstedt

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87.

On flowers of *Thapsia villosa*. — Recorded from Spain by CZERNY & STROBL (1909:214) and from Portugal by Arias (1912a:106) (as *Tricholyga grandis* Zett.). These records may also include the closely related species *E. sorbillans* Wied.

Exorista nova Rondani

Spain — Prov. Almería: 5 km NW. of Sorbas, 5. V. 88.

Portugal — Prov. Faro: 10 km W. of Lagos, 3. VI. 83.

On flowers of Umbelliferae or swept from low vegetation. — Recorded from Spain by HERTING (1960:38) and in OILB-lists 9:34 and 10:44.

Exorista civilis Rondani

Spain — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 17. IX. 86.

On flowers of *Foeniculum vulgare*. — Recorded from Spain by ISENSEE et alii (1965:613).

Exorista decidua Pandellé

Spain — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Mallorca: Surroundings of Artá, 20. V. 85; Castillo de Alaró, 21. V. 85.

2 males collected on hilltops while they were sitting on stones, 1 female collected on flowers of *Thapsia villosa*. — First record for the Iberian Peninsula and Mallorca.

Exorista deligata Pandellé

Spain — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83 (2).

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Exorista salmantica Tschorsnig

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83, 29. IV. 88; 6–8 km N. of Villar de Ciervo, 13. VI. 83, 23. V. 87, 24. V. 87, 30. V. 87 (7), 6. VI. 87 (9), 21. VI. 87 (2), 22. VI. 87 (4), 25. VI. 87 (3), 11. VI. 89, 13. VI. 89; Villar de Ciervo, Peña de la Campana, 16. V. 88 (8), 17. V. 88 (5), 19. V. 88 (9).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers of Umbelliferae (mainly *Thapsia villosa*).

In its description (TSCHORSNIG 1984:3), the type locality of this species was given as "Spain, between Fuentes de Oñoro and Aldea del Obispo". This is only partly correct, because at that time the author was not aware of the position of border between Spain and Portugal in that area. The collection locality was actually in Portugal, about 50 m W. of the Spanish border, thus belonging to Portugal.

Exorista xanthaspis Wiedemann

Spain — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: Saelices el Chico, 11. IX. 79.

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (4), 20. VI. 82 (2); 10 km W. of Lagos, 3. VI. 83 (2), 6. VI. 83, 11. VI. 87.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Exorista mimula Meigen (males)

Spain — Prov. Gerona: Viladamat, 25. IX. 86 (2).

On flowers of *Foeniculum vulgare*. — First record for the Iberian Peninsula.

Exorista nympharum Rondani (males and typical females)

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (2), 28. V. 87; 6–8 km N. of Villar de Ciervo, 24. VI. 82, 24. V. 87 (2), 6. VI. 87 (2), 8. VI. 87 (2), 21. VI. 87 (3), 13. V. 88, 28. V. 89, 29. V. 89, 11. VI. 89 (5), 13. VI. 89, 16. IV. 90, 15. VI. 90 (4), 16. VI. 90 (10), 17. VI. 90 (2), 18. VI. 90 (7), 22. VI. 90, 23. VI. 90 (2), 30. VI. 90 (3), 1. VII. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88; Villar de Ciervo, Puente Quebrada, 10. VI. 89; Villar de la Yegua, Vado de la Viña, 10. VII. 90; Aldea del Obispo, Prado Caño, 11. VII. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89, 28. VI. 90; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

Most specimens on flowers of Umbelliferae. — Recorded from Spain by HERTING (1978:1).

Exorista rendina Herting (males)

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (2); 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90 (2); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Granada: Rio Alcolea, W. of Ugijar, 6. V. 88.

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Exorista rustica Fallén (males and typical females)

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Vitoria: SW. of Vitoria, 20. V. 80. — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79 (3). — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86. — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; Rio Agueda near Puerto Seguro, 27. VIII. 79 (2), 27. V. 87 (8), 28. V. 87 (4); 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 7. VI. 83, 12. VI. 83 (2), 24. V. 87 (7), 30. V. 87 (2), 6. VI. 87 (10), 8. VI. 87 (2), 21. VI. 87 (7), 22. VI. 87 (5), 27. IV. 88, 14. V. 88, 15. V. 88 (2), 20. V. 88 (8), 28. V. 89 (26), 29. V. 89 (34), 11. VI. 89 (11), 13. VI. 89 (5), 17. IV. 90, 15. VI. 90 (11), 16. VI. 90 (5), 17. VI. 90, 18. VI. 90 (8), 22. VI. 90, 23. VI. 90 (4), 30. VI. 90 (4), 1. VII. 90; Villar de Ciervo, Peña de la Campana, 17. V. 88 (2), 19. V. 88, 30. V. 89 (5), 2. VII. 90, 3. VII. 90 (3), 4. VII. 90 (2); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (2), 16. V. 88, 30. V. 89 (36), 10. VI. 89 (14), 12. VI. 89 (12); Villar de la Yegua, Vado de la Viña, 9. VI. 83, 10. VII. 90; Aldea del Obispo, Prado Caño, 4. VII. 90, 5. VII. 90 (2); Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84 (2), 15. IX. 84; Rivera de Azaba near Carpio de Azaba, 12. IX. 84; Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89 (10); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (7); SW. of Guadalupe, 3. VI. 87; 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87, 9. V. 88, 4. VI. 89 (9). — Prov. Malaga: 5 km W. of San Pedro, 26. V. 83. Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 26. V. 87.

Most specimens on flowers (Umbelliferae, *Euphorbia* sp., *Mentha* sp.) but also swept from low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:213), ISENSEE et alii (1965:613) and HERTING (1969:207) and from Portugal by SILVA & NOGUEIRA (1965:61).

Neophryxe vallina Rondani

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. VI. 89.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Chaetogena acuminata Rondani

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 6. VI. 82 (3), 12. VI. 82, 24. VI. 82 (5), 22. VI. 87 (4), 15. VI. 90, 16. VI. 90, 18. VI. 90; Villar de Ciervo, Puente Quebrada, 30. VIII. 86, 21. VI. 90; S. of Castillejo de Martin Viejo, 9. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 21. IX. 86, 26. VI. 90; Saclices el Chico, 11. IX. 79. — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (3); Padul, 24. V. 83 (5); Rio Guadalfeo, S. of Orgiva, 24. V. 83. — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83; 15 km SE. of Mazagón, 31. V. 83. — Prov. Jaén: Rio Vaboras, S. of Martos, 21. V. 83. — Prov. Malaga: 30 km NE. of Ronda, 25. V. 83 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2). — Prov. Faro: NW. of Odiáxere, 3. VI. 83 (3); 3 km N. of Lagos, 19. VI. 82 (5), 20. VI. 82 (2); 10 km W. of Lagos, 3. VI. 83, 4. VI. 83 (6), 11. VI. 87.

On flowers (various Umbelliferae, *Daphne gnidium*, *Thymus mastichina*) or swept from low vegetation. — Recorded from Spain by STEIN (1924:115).

Chaetogena filipalpis Rondani

Spain — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (3); 2 km S. of Dúdar, 23. V. 83; Rio Alcolea, W. of Ugijar, 6. V. 88 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (24), 16. VI. 87 (8), 9. V. 88 (3), 4. VI. 89 (8);

Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (10), 3. VI. 83 (2); 3 km N. of Lagos, 19. VI. 82 (8), 20. VI. 82 (8); 10 km W. of Lagos, 3. VI. 83 (4), 4. VI. 83 (20).

On flowers (*Euphorbia* sp., Umbelliferae) or swept on pastures. — Recorded from Spain by CZERNY & STROBL (1909:214), HERTING (1969:208) and in OILB-list 10:42.

Chaetogena mageritensis Villeneuve & Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 23. IV. 88, 3. IV. 90 (2), 7. IV. 90 (14), 9. IV. 90, 10. IV. 90 (7), 11. IV. 90 (10), 12. IV. 90 (5), 14. IV. 90 (5), 16. IV. 90 (9); Villar de Ciervo, Peña de la Campana, 14. IV. 90 (2).

The species was observed in cool weather. Males and females visiting flowers of *Euphorbia broteri*, and sitting on, or quickly flying near, the ground. — Described from Spain by VILLENEUVE & MESNIL (1936:274).

Chaetogena media Rondani

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 82, 6. VI. 87, 21. VI. 87, 25. VI. 87 (2), 23. IV. 88, 27. IV. 88 (3), 28. IV. 88 (5), 13. V. 88, 14. V. 88 (2), 7. IV. 90, 10. IV. 90, 11. IV. 90 (2), 14. IV. 90, 16. IV. 90, 16. VI. 90 (2), 18. VI. 90; Villar de Ciervo, Peña de la Campana, 17. V. 88, 14. IV. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89 (4), 12. VI. 89 (20); Aldea del Obispo, Prado Caño, 5. VII. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82. — Prov. Cáceres: Aldea del Cano, 10. V. 80; Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87; SW. of Guadalupe, 3. VI. 87 (2). — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83 (24), 31. V. 83 (9); Surroundings of Mazagón, 12. VI. 87; 10 km N. of Torre de la Higuera, 31. V. 83. — Prov. Jaén: Rio Viboras, S. of Martos, 21. V. 83 (2); Sierra de Segura, Rio Segura, 3. V. 88. — Prov. Málaga: NW. of Ronda, 27. V. 83 (18).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 26. V. 87. — Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83; 3 km N. of Lagos, 19. VI. 82.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by MESNIL (1944–1975:622).

Chaetogena obliquata Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 83, 7. VI. 83, 28. IV. 88, 14. V. 88 (15), 15. V. 88 (4), 29. V. 89 (2), 16. IV. 90, 17. IV. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88 (2), 17. V. 88, 19. V. 88 (2).

On flowers (*Euphorbia* sp., *Corrigiola telephiifolia*, *Thapsia villosa*). — Recorded from Spain by HERTING (1969:207) (as *Spoggosia echinura* R. D.) and TSCHORSNIG (1990:94).

Chaetogena rondaniana Villeneuve

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Parasetigena silvestris Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 20. V. 88; Villar de Ciervo, Peña de la Campana, 17. V. 88; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87.

On flowers of *Thapsia villosa*. — Recorded from Spain by CZERNY & STROBL (1909:213) (as *P. segregata* Rond.) and in OILB-list 7:143.

Phorocera assimilis Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80, 24. V. 87, 20. V. 88 (2); Villar de Ciervo, Peña de la Campana, 17. V. 88 (2), 19. V. 88 (2); Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (4), 8. VI. 89 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83, 26. V. 87.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:213).

Phorocera atricans n. sp.

Holotype: Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. IV. 90 (male).

Paratypes: Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 7. IV. 90 (male), 10. IV. 90 (female); Villar de Ciervo, Peña de la Campana, 14. IV. 90 (male).

On flowers of *Euphorbia broteri*, 1 male sitting on stones on a hilltop.

The new species resembles *P. grandis*, in that the fourth costal sector of the wing has spinulae on its whole length and the male epandrium is small. The differences are as follows:

- 1 Hind 2/3–3/4 of the abdominal tergites black, only with traces of pollinosity. Male: Syncercus nearly flat, shallowly excavated on its ventral side (Fig. 1a). Female: Fore tarsus slender, as long as the fore tibia. Anterior edge of sternite 6 obtuse-angled in lateral view (Fig. 2a) *atricans* n. sp.
- Abdominal tergites covered with grey pollinosity with shifting spots. Male: Syncercus semicylindrical, deeply excavated on its ventral side (Fig. 1b). Female: Fore tarsus stout, as long as 2/3 of the fore tibia. Anterior edge of sternite 6 acute-angled in lateral view (Fig. 2b) *grandis* Rondani.

Phorocera grandis Rondani

Spain — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2).

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Phorinia aurifrons Robineau-Desvoidy

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79. — Prov. Léon: Rio Valcarce near Pereje (W. of Ponferrada), 11. IX. 86.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Bessa selecta Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84. — Prov. Cáceres: 6 km SE. of Guadalupe, 8. VI. 89 (3). — Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83 (4).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

Swept from *Pteridium aquilinum* or from flowers of Umbelliferae. — First record for the Iberian Peninsula.

Belida angelicae Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; 6–8 km N. of Villar de Ciervo, 24. V. 87, 30. V. 87, 6. VI. 87, 21. VI. 87, 25. VI. 87, 28. V. 89, 11. VI. 89, 15. VI. 90 (3), 18. VI. 90, 5. VII. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 30. V. 89 (4), 3. VII. 90 (3); Villar de Ciervo, Puente Quebrada, 30. V. 89 (2), 10. VI. 89; Villar de la Yegua, Vado de

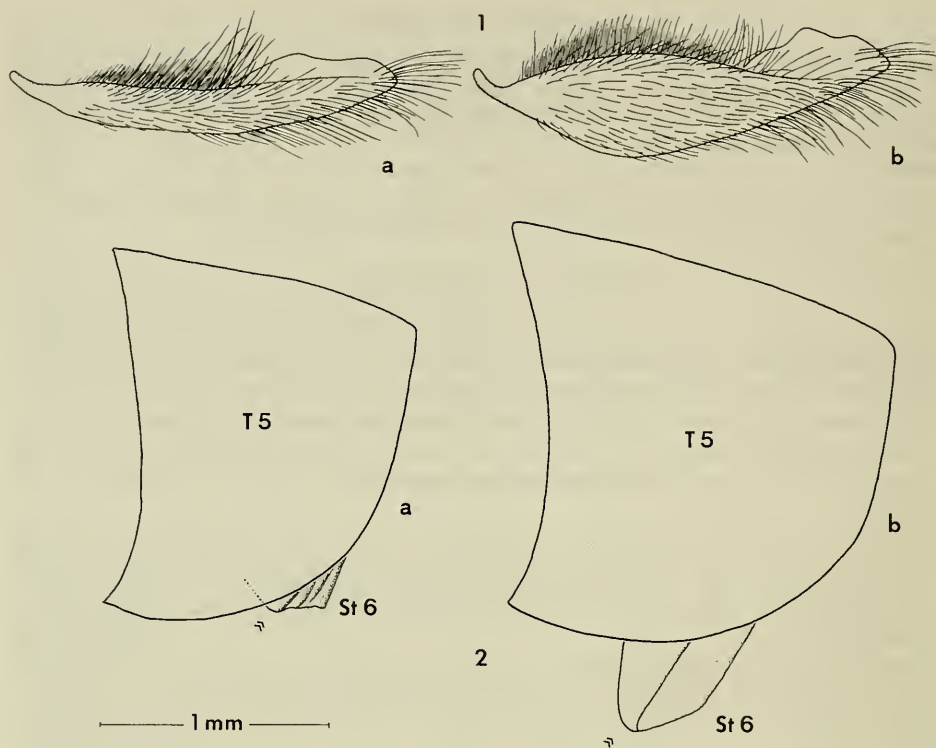


Fig. 1. Male syncercus, lateral view. — a. *Phorocera atricans* n. sp.; — b. *Phorocera grandis* Rondani.

Fig. 2. Female sternite 6, lateral view. — a. *Phorocera atricans* n. sp.; — b. *Phorocera grandis* Rondani.

la Viña, 14. VI. 89 (3), 7. VII. 90; S. of Castillejo de Martin Viejo, 29. VIII. 86. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87, 5. VI. 89.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2). — Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Meigenia dorsalis Meigen (males)

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (2); 6–8 km N. of Villar de Ciervo, 12. VI. 83, 23. V. 87 (5), 21. VI. 87 (6), 20. V. 88, 28. V. 89 (8), 11. VI. 89 (10), 13. VI. 89, 16. VI. 90 (3), 18. VI. 90, 30. VI. 90; Villar de la Yegua, Vado de la Viña, 9. VI. 83 (4), 14. VI. 89; Aldea del Obispo, Prado Caño, 5. VII. 90. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (3). — Prov. Cáceres: Casas de Don Antonio, 10. V. 80; Castañar de Ibor, 1. VI. 87 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (2), 7. VI. 89 (2), 8. VI. 89; 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89. — Prov. Sevilla: El Garrobo, 10. V. 80.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Meigenia mutabilis Fallén (males)

Spain – Prov. La Coruña: Piadela, 10. IX. 86 (4); 5 km SW. of Padrón, 9. IX. 86 (6). – Prov. Gerona: Viladamat, 25. IX. 86 (4). – Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (4); 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 14. V. 80, 6. VI. 82, 10. V. 83, 12. VI. 83, 23. V. 87, 15. V. 88, 28. V. 89 (3), 29. V. 89, 11. VI. 89 (11); Villar de Ciervo, Puente Quebrada, 30. V. 89. – Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (7), 28. VI. 90. – Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83. – Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87.

Portugal – Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (2).

On flowers of Umbelliferae, on leaves or swept from low vegetation. – Recorded from Spain by CZERNY & STROBL (1909:212) (as *M. bisignata* Mg. and *M. floralis* Mg.). These records may also include the preceding species.

Meigenia majuscula Rondani

Spain – Prov. Almería: Sierra de los Filabres, Puerto de la Virgen, 4. V. 88. – Prov. Jaén: Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87 (5); Sierra de Cazorla, W. of Cabañas, 1800 m, 16. VI. 87. – Mallorca: La Albufera, 22. V. 85; Puerto de Alcudia, Puig de San Martí, 18. V. 85 (4); Surroundings of Artá, 20. V. 85 (5), 25. V. 85 (11); Castillo de Alaró, 21. V. 85 (2).

Most of the male specimens were collected on hilltops while they were sitting on the ground or on stones, the females and few males were collected from flowers (*Ferula communis*, *Daucus carota*, undetermined Labiatae, *Euphorbia* sp.). – Recorded from Spain by CZERNY & STROBL (1909:212). First record for Mallorca.

Conogaster pruinosa Meigen

Spain – Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83; Villar de Ciervo, Puente Quebrada, 30. V. 89 (8), 10. VI. 89 (10), 12. VI. 89 (2).

Portugal – Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83.

On flowers of Compositae or (more rarely) Umbelliferae. – First record for the Iberian Peninsula.

Zaira cinerea Fallén

Spain – Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 7. VI. 83; Villar de Ciervo, Peña de la Campana, 19. V. 88; Villar de la Yegua, Vado de la Viña, 9. VII. 90 (3). – Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83. – Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88. – Prov. Malaga: NW. of Ronda, 27. V. 83.

Portugal – Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

Swept from *Pteridium aquilinum* and other low vegetation, sitting on the ground in the shadow of *Quercus ilex* or visiting flowers of Umbelliferae (*Thapsia villosa*, *Ferula communis*). – Recorded from Spain by MESNIL (1944–1975:702).

Gastrolepta anthracina Meigen

Recorded from Spain by CZERNY & STROBL (1909:229) (as *Morinia anthracina* Mg.) and HERTING (1969:209).

Trigonospila transvittata Pandellé

Recorded from Spain by CZERNY & STROBL (1909:229) and by ISENSEE et alii (1965:613).

Steleoneura czernyi Stein

Described from Spain by STEIN (1924:151).

Medina luctuosa Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. León: Rio Valcarce near Pereje (W. of Ponferrada), 11. IX. 86.

On flowers of Umbelliferae. — First record for the Iberian Peninsula.

Istochaeta cinerea Macquart

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 80, 10. V. 83 (3), 13. V. 83 (2), 24. IV. 88 (2), 27. IV. 88 (12), 28. IV. 88 (2), 13. V. 88 (3), 20. V. 88 (2), 3. IV. 90, 9. IV. 90.

The specimens were observed in cool weather. They were sitting on large stones, on walls or visiting flowers (*Euphorbia segetalis*, *Thapsia villosa*). — Recorded from Spain by STEIN (1924:143).

Rioteria submacula Herting

Spain — Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83 (2).

2 females were swept from *Pteridium aquilinum*, covered with honeydew from a tree of *Arbutus unedo*. — Described from Spain by HERTING (1973:3).

Oswaldia spectabilis Meigen

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 10. VI. 89.

On flowers of Umbelliferae. — Recorded from Spain by CZERNY & STROBL (1909:212) (as *Lydella albisquama* Zett.).

Lomacantha parra Rondani

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (2); Rio Agueda near Puerto Seguro, 27. V. 87, 28. V. 87 (3); 6–8 km N. of Villar de Ciervo, 16. VI. 90 (2), 18. VI. 90 (2), 22. VI. 90, 23. VI. 90, 1. VII. 90; Villar de la Yegua, Vado de la Viña, 14. VI. 89 (4), 7. VII. 90; Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90; Sierra de Gata, 2–6 km S. of Villalrubias, 23. VI. 82 (3). — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (22), 7. VI. 89 (50), 8. VI. 89 (10), 28. VI. 90; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (3), 28. VI. 90.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by MESNIL (1944–1975:773) and HERTING (1978:2).

Ligeria angusticornis Loew

Spain — Prov. Salamanca: NW. of La Fregeneda, 29. IV. 88; Rio Agueda near Puerto Seguro, 27. V. 87; Rio Agueda near Castillejo de Martin Viejo, 17. IX. 86 (2), 21. IX. 86 (3). — Prov. Málaga: NW. of Ronda, 27. V. 83.

On flowers (*Euphorbia* sp., *Foeniculum vulgare*, *Ferula communis*) or swept from shrubs of *Daphne gnidium*. — Recorded from Spain by CZERNY & STROBL (1909:220) and HERTING (1969:208). The record by CZERNY & STROBL may also include the following species.

Ligeria rostrata Herting

Spain — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83; Padul, 24. V. 83 (2).

Swept from arid ground and sparse low vegetation. — First record for the Iberian Peninsula.

Picconia incurva Zetterstedt

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. V. 83, 7. VI. 83 (5), 12. VI. 83.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 13. V. 83 (3), 11. VI. 83 (19).

Swept from low vegetation or from flowers of a white Umbelliferae. — Recorded from Spain by CZERNY & STROBL (1909:221) (as *Tryptocera incurva* Zett.) and HERTING (1969:208).

Erynniopsis antennata Rondani

Recorded from Spain by ISENSEE et alii (1965:613) and HERTING (1969:208) (as *E. rondanii* Tns.).

Ligeriella aristata Villeneuve

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

On flowers of a white Umbelliferae. — First record for the Iberian Peninsula.

Robinaldia angustata Villeneuve

Recorded from Spain by MESNIL (1944–1975:665).

Blondelia nigripes Fallén

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87, 24. IV. 88; 6–8 km N. of Villar de Ciervo, 13. VI. 83, 23. V. 87, 24. V. 87 (5), 30. V. 87 (4), 6. VI. 87 (11), 21. VI. 87 (3), 22. VI. 87 (3), 23. IV. 88, 27. IV. 88 (2), 28. IV. 88 (4), 13. V. 88 (11), 14. V. 88 (3), 15. V. 88 (5), 20. V. 88 (60), 28. V. 89 (9), 29. V. 89 (20), 11. VI. 89 (12), 13. VI. 89 (5), 3. IV. 90, 16. IV. 90, 22. VI. 90, 30. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88 (8), 17. V. 88 (37), 19. V. 88 (36), 30. V. 89 (5); Villar de Ciervo, Puente Quebrada, 16. V. 88, 30. V. 89 (11), 10. VI. 89 (3), 12. VI. 89 (4); Villar de la Yegua, Vado de la Viña, 14. VI. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (4), 5. VI. 87 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (5); 6 km SE. of Guadalupe, 8. VI. 89 (10). **Portugal** — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

Most specimens collected from various flowers (Umbelliferae, *Euphorbia* sp.) but also swept from *Pteridium aquilinum* and other low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:212) (as *Lydella nigripes* Fall.) and HERTING (1960:52).

Compsilura concinnata Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (3). — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 80, 24. V. 87; Villar de Ciervo, Peña de la Campana, 16. V. 88 (4), 17. V. 88 (4), 19. V. 88; Villar de Ciervo, Puente Quebrada, 30. V. 89, 12. VI. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7.

VI. 89 (3), 8. VI. 89 (4); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (6). — Prov. Almería: Surroundings of Berja, 1. V. 80; Rio Andarraz near Fondón, 1. V. 80 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89 (11), 5. VI. 89 (37).
Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83. — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (3), 20. VI. 82; 10 km W. of Lagos, 6. VI. 83, 11. VI. 87.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by CODINA (1912:96), COLLADO (1931:349), BENLOCH & CAÑIZO (1934), ROMANYK & RUPEREZ (1960:231), CEBALLOS & SANCHEZ (1962:25), HERTING (1969:209), in OILB-lists 9:33 and 10:42, and from Portugal by SILVA & NOGUEIRA (1965:62).

Vibrissina debilitata Pandellé

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Cáceres: 6 km SE. of Guadalupe, 8. VI. 89 (10).

Swept from *Pteridium aquilinum*, 1 specimen on flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Acemyia acuticornis Meigen

Recorded from Spain by CZERNY & STROBL (1909:225) and PERIS (1956:6). PERIS examined a female of the series of CZERNY & STROBL.

Ceracia mucronifera Rondani

Spain — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83. — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83.

Portugal — Prov. Faro: 10 km W. of Lagos, 11. VI. 87.

Swept from low vegetation, 1 specimen on flowers of a white Umbelliferae. — Recorded from Spain by HERTING (1969:209) (as *Myiothyria benoisti* Mesn.).

Metacemyia calloti Séguéy

Recorded from Spain by PERIS (1956:7) (as *Ceracia mucronifera* Rond.).

Thrixion aberrans Schiner

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; Villar de Ciervo, Peña de la Campana, 30. V. 89. — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83.

On flowers of *Thapsia villosa* and an undetermined white Umbelliferae. 1 male was collected while it was flying quickly around small stones on a wayside. — Recorded from Spain by PANTEL (1898:9) and from Portugal by TAVARES (1906:89).

Ethilla aemula Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86; 5 km SW. of Padrón, 9. IX. 86. — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. V. 87. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2), 8. VI. 89 (4); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2), 28. VI. 90. — Prov. Almería: Rio Andarraz near Fondón, 1. V. 80. — Mallorca: Surroundings of Artá, 20. V. 85.

On flowers (Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Paratryphera barbatula Rondani

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. VI. 89; Villar de Ciervo, Puente Quebrada, 12. VI. 89 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers of Umbelliferae. — Recorded from Spain by CODINA (1914:160) (as *Exorista hirtipilis* Pand.).

Paratryphera bisetosa Brauer & Bergenstamm

Recorded from Spain by HERTING (1969:209).

Paratryphera palpalis Rondani

Spain — Prov. Almería: Sierra de los Filabres, 4 km S. of Albalá, 4. V. 88.

On flowers of a Umbelliferae (*Thapsia villosa* or *Ferula communis*). — First record for the Iberian Peninsula.

Atrylomyia loewi Brauer

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 8. VI. 87, 11. VI. 89; Villar de Ciervo, Puente Quebrada, 14. IX. 86; Villar de la Yegua, Vado de la Viña, 9. VI. 83; Rio Agueda near Castillejo de Martín Viejo, 9. IX. 84 (2), 11. IX. 84 (4), 13. IX. 84, 17. IX. 84 (7), 16. IX. 86 (4), 17. IX. 86 (16), 18. IX. 86 (10), 20. IX. 86 (2), 21. IX. 86 (5). — Prov. Almería: Surroundings of Berja, 30. IV. 80 (2); Rio Andarax near Fondón, 1. V. 80. — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83; 10 km N. of Torre de la Higuera, 31. V. 83 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (3), 11. VI. 83 (2).

On various flowers (*Foeniculum vulgare*, *Thapsia villosa*, *Mentha* sp., *Euphorbia* sp.) or swept from bushes of *Daphne gnidium* or *Pteridium aquilinum*. — Recorded from Spain by CZERNY & STROBL (1909:222) and HERTING (1969:209).

Smidtia conspersa Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80, 27. IV. 88, 28. IV. 88 (3), 13. V. 88, 20. V. 88, 10. IV. 90, 11. IV. 90 (2), 12. IV. 90, 16. IV. 90.

On flowers of *Euphorbia broteri* and *E. segetalis*, 2 males on leaves of *Quercus* sp. — First record for the Iberian Peninsula.

Timavia amoena Meigen

Recorded from Spain by ARIAS (1912a:69). This record needs to be confirmed, it may refer to the following species.

Timavia laticauda Mesnil

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 12. VI. 83 (2), 13. VI. 83, 30. V. 87 (3), 28. V. 89 (2).

On flowers of *Thapsia villosa* and *Euphorbia segetalis*. — First record for the Iberian Peninsula.

Winthemia pilosa Villeneuve

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. V. 83, 21. VI. 87 (3), 28. IV. 88, 15. V. 88, 20. V. 88 (2); Villar de Ciervo, Peña de la Campana, 17. V. 88; Villar de Ciervo, Puente Quebrada, 12. VI. 89; Villar de la Yegua, Vado de la Viña, 14. VI. 89 (2). — Prov. Granada: Rio Alcolea, W. of Ugijar, 6. V. 88. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (4), 16. VI. 87 (7), 9. V. 88, 4. VI. 89 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82.

On flowers (*Euphorbia* sp., *Thapsia villosa*) or swept on pastures. — First record for the Iberian Peninsula.

Winthemia quadripustulata Fabricius

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (3).

On flowers of a white Umbelliferae. — Recorded from Spain by COLLADO (1931:352) (as *W. quadripustulata* var. *pruinosa*). This record may refer to another species of *Winthemia*.

Winthemia rufiventris Macquart

Spain — Prov. Salamanca: Villar de Ciervo, Peña de la Campana, 17. V. 88.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Nemorilla floralis Fallén

Recorded from Spain by CZERNY & STROBL (1909:213) (as *N. notabilis* Mg.) and from Portugal by SILVA & NOGUEIRA (1965:65). These records are doubtful and probably refer to the following species.

Nemorilla maculosa Meigen

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 14. V. 80, 6. VI. 82, 7. VI. 83 (2), 13. VI. 83, 23. V. 87, 24. V. 87 (2), 27. V. 87, 30. V. 87 (6), 21. VI. 87, 22. VI. 87 (5), 28. IV. 88 (2), 10. IV. 90 (3), 11. IV. 90 (2), 12. IV. 90, 14. IV. 90, 15. VI. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86 (4), 6. IX. 86 (8), 14. IX. 86, 21. VI. 90; Rivera de Azaba near Carpio de Azaba, 12. IX. 84; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87. — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90. — Prov. Almería: Rio Andarraz near Fondón, 1. V. 80; 8 km NE. of Adra, 1. V. 80. — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87; Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83; Rio Alcolea, W. of Ugijar, 6. V. 88. — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83 (2); 10 km N. of Torre de la Higuera, 31. V. 83 (14). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87, 4. VI. 89; 3 km SW. of Valdecazorla, 6. VI. 89. — Mallorca: Surroundings of Artá, 25. V. 85.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86; 4 km N. of Vilar Formoso, 8. VI. 82, 11. VI. 83 (6). — Prov. Faro: Bensafirim, 19. VI. 82; 6–8 km N. of Lagos, 2. VI. 83; 10 km W. of Lagos, 3. VI. 83.

On various flowers (Umbelliferae, *Mentha* sp., *Euphorbia* sp., Compositae) or swept from *Pteridium aquilinum* or other low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:213) and HERTING (1969:209) and from Portugal by SILVA & NOGUEIRA (1965:58). First record for Mallorca.

Aplomyia confinis Fallén

Spain — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79 (2), 27. V. 87 (2), 28. V. 87; 6–8 km N. of Villar de Ciervo, 6. VI. 82 (3), 10. VI. 82, 12. VI. 82, 7. VI. 83, 24. V. 87, 30. V. 87 (4), 6. VI. 87 (3), 8. VI. 87 (2), 22. VI. 87 (3), 25. VI. 87 (3), 11. VI. 89 (8), 13. VI. 89 (3), 16. VI. 90 (3), 18. VI. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89, 10. VI. 89 (3), 12. VI. 89 (8); Villar de la Yegua, Vado de la Viña, 31. VIII. 79, 7. VI. 82, 9. VI. 83 (3), 14. VI. 89; Aldea del Obispo, Prado Caño, 5. VII. 90 (2); Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (10), 5. VI. 87 (6). — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (5). — Prov. Caceres: Casas de Don Antonio, 10. V. 80; Castañar de Ibor, 1. VI. 87 (2); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (3), 7. VI. 89 (11), 8. VI. 89 (6), 28. VI. 90 (20); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (11), 28. VI. 90 (5); SW. of Guadalupe, 3. VI. 87; 6 km SE. of Guadalupe, 8. VI. 89 (2). — Prov. Cordoba: Rio Guadabarbo between Espiel and Alcaracejos, 19. V. 83. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83; Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87 (2). — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (4), 16. VI. 87 (4). — Prov. Malaga: NW. of Ronda, 27. V. 83. — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80; N. of Burguillos, 7. V. 80 (2). — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86 (2); 4 km N. of Vilar Formoso, 15. V. 80, 8. VI. 82 (3), 11. VI. 83 (12). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83; 3 km N. of Lagos, 19. VI. 82 (6), 20. VI. 82; 10 km W. of Lagos, 4. VI. 83.

On flowers (various Umbelliferae, *Euphorbia* sp., *Mentha* sp.) or swept from low vegetation. — Recorded from Spain by STROBL (1906:336), CZERNY & STROBL (1909:213) and HERTING (1969:210). First record for Mallorca.

Phebellia nigripalpis Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80 (2), 23. V. 87, 24. IV. 88, 20. V. 88, 28. V. 89, 29. V. 89, 11. VI. 89; Villar de Ciervo, Puente Quebrada, 30. V. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87. — Prov. Caceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (4). — Prov. Cordoba: Rio Guadabarbo between Espiel and Alcaracejos, 19. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87 (3), 9. V. 88 (3), 4. VI. 89 (24), 5. VI. 89 (16); Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88 (9); Sierra de Segura, Rio Segura, 3. V. 88 (4).

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83.

On flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain by STROBL (1906:336), CZERNY & STROBL (1909:213) (as *Exorista agnata* Rond.) and HERTING (1978:2).

Wardarina melancholica Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 16. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90. — Prov. Caceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (7), 7. VI. 89 (108), 8. VI. 89 (15), 28. VI. 90 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (3), 28. VI. 90 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (4), 16. VI. 87 (3), 4. VI. 89, 5. VI. 89.

On flowers (*Euphorbia* sp., *Thapsia villosa*, *Carum verticillatum*, other white or yellow Umbelliferae). — First record for the Iberian Peninsula.

Nilea hortulana Meigen

Spain — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (8), 8. VI. 89 (2).

On flowers (*Euphorbia* sp., Umbelliferae). — First record for the Iberian Peninsula.

Nilea innoxia Robineau-Desvoidy

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (8).

On flowers (*Euphorbia* sp., Umbelliferae). — First record for the Iberian Peninsula.

Nilea rufiscutellaris Zetterstedt.

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Epicampocera succincta Meigen

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Buquetia musca Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 6. VI. 87, 21. VI. 87, 22. VI. 87, 25. VI. 87; Rio Agueda near Castillejo de Martín Viejo, 17. IX. 84. — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Mallorca: W. of Can Picafort, 17. V. 85.

On flowers (*Thapsia villosa*, *Foeniculum vulgare*, *Carum verticillatum*, *Elaeolinum gummiferum*, *Magydaris panacifolia*, *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Phryxe caudata Rondani

Recorded from Spain in OILB-lists 2 and 11:44 and from Portugal by SILVA & NOGUEIRA (1965:64).

Phryxe erythrostoma Hartig

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89, 5. VI. 89 (2).

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Phryxe hirta Bigot

Recorded from Spain by MESNIL (1944–1975:417) (as *P. setigera* B. B.) and FORD & SHAW (1991:27).

Phryxe magnicornis Zetterstedt

Recorded from Spain in OILB-list 11:45.

Phryxe prima Brauer & Bergenstamm

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 5. VI. 89. — Prov. Málaga: 5 km NW. of San Pedro, 5. V. 80.

On flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain by STEIN (1924:91).

Phryxe setifacies Villeneuve

Spain — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (3). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87; Sierra de Segura, Rio Segura, 3. V. 88.

On flowers (*Euphorbia* sp., *Thapsia villosa*). — Recorded from Spain in OILB-list 10:46.

Phryxe vulgaris Fallén

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79. — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (9); Rio Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 11. V. 80 (2), 13. V. 80 (2), 14. V. 80 (3), 6. VI. 82, 24. VI. 82 (2), 7. VI. 83 (3), 12. VI. 83, 23. V. 87 (2), 24. V. 87 (10), 30. V. 87 (2), 6. VI. 87 (4), 8. VI. 87 (5), 21. VI. 87 (2), 15. V. 88, 20. V. 88 (17), 28. V. 89 (27), 29. V. 89 (51), 11. VI. 89 (66), 13. VI. 89 (14), 3. IV. 90 (5), 7. IV. 90 (2), 9. IV. 90 (2), 11. IV. 90 (2), 14. IV. 90, 15. VI. 90 (3), 16. VI. 90 (22), 18. VI. 90, 23. VI. 90; Villar de Ciervo, Puente Rieta, 28. VIII. 79; Villar de Ciervo, Peña de la Campana, 19. V. 88, 30. V. 89 (6), 14. IV. 90, 2. VII. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89 (24), 10. VI. 89 (37), 12. VI. 89 (38); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (3); Saelices el Chico, 11. IX. 79; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (8), 5. VI. 87. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (8). — Prov. Cáceres: Aldea del Cano, 10. V. 80 (2); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (5), 7. VI. 89 (33), 8. VI. 89 (31), 28. VI. 90; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (26); 6 km SE. of Guadalupe, 8. VI. 89 (4). — Prov. Almería: Rio Andarraz near Fondón, 1. V. 80. — Prov. Córdoba: Rio Guadabarro between Espiel and Alcaracejos, 19. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88; Sierra de Segura, Rio Segura, 3. V. 88. — Prov. Sevilla: N. of Burguillos, 7. V. 80; El Garrobo, 10. V. 80 (12).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (6). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83; 10 km W. of Lagos, 3. VI. 83, 4. VI. 83 (3).

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Portugal by CORTI (1903:1076) and ARIAS (1912a:169) and from Spain by HERTING (1969:210).

Gymnophryxe carthaginiensis Bischof

Recorded from Spain by MESNIL (1944–1975:510) (as subspecies *mageritensis* Mesn.).

Gymnophryxe inconspicua Villeneuve

Recorded from Spain in OILB-list 11:42.

Bactromyia aurulenta Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (2).

On flowers of an undetermined white Umbelliferae. — Recorded from Spain by COLLADO (1931:353) and from Portugal by SILVA & NOGUEIRA (1965:58).

Pseudoperichaeta nigrolineata Walker

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 27. IV. 88; Villar de la Yegua, Vado de la Viña, 9. VI. 83. — Prov.

Caceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2).

On flowers (Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Pseudoperichaeta palesoidea Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 23. V. 87, 24. V. 87 (2), 6. VI. 87 (3), 21. VI. 87, 28. IV. 88 (2), 15. V. 88, 11. VI. 89 (2); Sierra de Gata, 2–6 km S. of Villarrubias, 5. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88. — Prov. Sevilla: N. of Burguillos, 7. V. 80 (2).

On flowers (*Euphorbia* sp., Umbelliferae). — First record for the Iberian Peninsula.

Lydella grisescens Robineau-Desvoidy

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86. — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80 (2), 14. V. 80, 6. VI. 82, 10. VI. 82, 7. VI. 83 (3), 22. VI. 87, 28. IV. 88, 28. V. 89 (3), 29. V. 89, 15. VI. 90 (4), 16. VI. 90 (16), 17. VI. 90 (5), 18. VI. 90 (2), 23. VI. 90 (3); Villar de Ciervo, Puente Rieta, 10. IX. 79, 12. IX. 79; Villar de Ciervo, Peña de la Campana, 17. V. 88, 30. V. 89; Villar de Ciervo, Puente Quebrada, 10. VI. 89 (3), 12. VI. 89 (3), 21. VI. 90; Aldea del Obispo, Prado Caño, 13. VII. 90; Sierra de Gata, 2–6 km S. of Villarrubias, 23. VI. 82 (2). — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (4). — Mallorca: Surroundings of Artá, 20. V. 85 (7), 25. V. 85 (6).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (8), 11. VI. 83 (2).

On flowers (Umbelliferae, *Euphorbia* sp.) or swept on pastures. — Recorded from Spain by CZERNY & STROBL (1909:212) (as *Ceromasia senilis* Mg.). First record for Mallorca.

Lydella stabulans Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (6). — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; Villar de Ciervo, Puente Rieta, 12. IX. 79; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 6. IX. 86 (8), 14. IX. 86 (3), 10. VI. 89; Villar de la Yegua, Vado de la Viña, 9. VI. 83; Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84 (4), 18. IX. 84 (2), 16. IX. 86 (4), 17. IX. 86 (2), 18. IX. 86 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (7).

On flowers (Umbelliferae, *Mentha* sp.) or swept from low vegetation. — Recorded from Portugal by CORTI (1903:1076) (as *Leptotachina gratiosa* Meig.).

Lydella thompsoni Herting

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Gerona: Viladamat, 25. IX. 86. — Mallorca: La Albufera, 22. V. 85.

On flowers (*Foeniculum vulgare*, *Daucus carota*, undetermined white Umbelliferae). — Recorded from Spain by HERTING (1959:427). First record for Mallorca.

Chaetina setigena Rondani

Spain — Prov. Gerona: Viladamat, 25. IX. 86 (2). — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85; Surroundings of Muro, 18. V. 85.

On flowers (*Daucus carota*, *Foeniculum vulgare*) or swept from low vegetation. — Recorded from Spain by PANDELLÉ (1896:70) (as *Bigonicheta hemistylosa* Pand.). First record for Mallorca.

Cadurciella tritaeniata Rondani

Spain — Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Drino atropivora Robineau-Desvoidy

Spain — Prov. Gerona: Viladamat, 25. IX. 86 (2). — Prov. Salamanca: Saclices el Chico, 11. IX. 79. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87.

On flowers (*Foeniculum vulgare*, *Euphorbia* sp.). — Recorded from Spain by COLLADO (1931:352), HERTING (1960:80) and in OILB-list 9:33 and from Portugal by CORTI (1903:1076).

Drino inconspicua Meigen

Spain — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89; Sierra de Segura, Rio Segura, 3. V. 88. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

On flowers of *Euphorbia* sp. or swept from low vegetation. — Recorded from Spain by HERTING (1969:210). First record for Mallorca.

Huebneria affinis Fallén

Spain — Prov. Salamanca: Villar de la Yegua, Vado de la Viña, 14. VI. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82.

On flowers of *Thapsia villosa*. — Recorded from Spain by CZERNY & STROBL (1909:213) and KLEINE (1909:15) (as *Exorista polychaeta* Macq.).

Tryphera lugubris Meigen

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (2); Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 6. VI. 87, 16. VI. 90; Villar de Ciervo, Puente Quebrada, 30. VIII. 86; Rio Agueda near Castillejo de Martin Viejo, 16. IX. 86 (2); NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84. — Prov. Almeria: 8 km NE. of Adra, 1. V. 80 (3). — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (2); 2 km S. of Dúdar, 23. V. 83 (2); Rio Guadalfeo, S. of Orgiva, 24. V. 83; Rio Alcolea, W. of Ugijar, 6. V. 88. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (6), 4. VI. 89 (2). — Prov. Malaga: NW. of Ronda, 27. V. 83. — Prov. Sevilla: N. of Burguillos, 7. V. 80.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (3). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (15), 3. VI. 83; 3 km N. of Lagos, 20. VI. 82 (2); 10 km W. of Lagos, 4. VI. 83.

On flowers (*Thapsia villosa*, *Foeniculum vulgare*, *Carum verticillatum*, *Ferula communis*, undetermined white Umbelliferae, *Euphorbia* sp., *Daphne gnidium*) or swept from low vegetation. — First record for the Iberian Peninsula.

Carcelia bombylans Robineau-Desvoidy

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Carcelia dubia Brauer & Bergenstamm

Spain — Prov. Madrid: Sierra de Guadarrama, 3 km W. of Guadarrama, 16. V. 80 (2).
2 males, sitting on stones. — Recorded from Spain by HERTING (1978:2).

Carcelia lucorum Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (4). — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 27. IV. 88 (2), 11. VI. 89, 12. IV. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (16), 8. VI. 89 (11). — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 4. VI. 89 (5), 5. VI. 89; Sierra de Segura, Río Segura, 3. V. 88 (6).

On flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain by STROBL (1906:336), CZERNY & STROBL (1909:213) and HERTING (1969:210) and from Portugal by ARIAS (1912a:83) (older records as *C. cheloniae* Rond.).

Carcelia processioneae Ratzeburg

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 800 m, 8. V. 88; Sierra de Segura, Río Segura, 3. V. 88 (4).

On flowers (*Euphorbia* sp., *Thapsia villosa*). — First record for the Iberian Peninsula.

Carcelia puberula Mesnil

Spain — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 4. VI. 89 (2).

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Carcelia rasa Macquart

Recorded from Spain by ARIAS (1912a:70) (as *C. angusta* B. B.). This record needs to be confirmed, it may refer to another species of *Carcelia*.

Senometopia intermedia Herting

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Senometopia separata Rondani

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 20. V. 88; Villar de Ciervo, Peña de la Campana, 19. V. 88.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Senometopia susurrans Rondani

Spain — Prov. Salamanca: Villar de la Yegua, Vado de la Viña, 9. VII. 90 (2), 10. VII. 90 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2).

Sitting on the ground in the shadow of *Quercus ilex* or visiting flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Thecocarcelia trichops Herting

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 5. VI. 89.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

This female specimen probably belongs to *trichops*, although the hairs of the eyes are very sparse and short and antennal segment 3 is somewhat longer than in material from Southern France.

Erycia fasciata Villeneuve

Spain — Prov. Salamanca: Villar de Ciervo, Peña de la Campana, 3. VII. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89, 20. VI. 90; Villar de la Yegua, Vado de la Viña, 14. VI. 89, 7. VII. 90, 10. VII. 90 (2); Rio Agueda near Castillejo de Martin Viejo, 26. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (2).

On flowers (*Elaeoselinum gummiferum* and other white Umbelliferae). — First record for the Iberian Peninsula.

Erycia festinans Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 8. VI. 87, 21. VI. 87 (3), 22. VI. 87 (2), 25. VI. 87, 16. VI. 90, 18. VI. 90, 23. VI. 90, 1. VII. 90 (2); Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (4), 27. VI. 90. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (18), 7. VI. 89 (22), 8. VI. 89 (3), 28. VI. 90 (10); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (16), 28. VI. 90 (2).
Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82, 11. VI. 83 (3).

On flowers (Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Erycia furibunda Zetterstedt

Spain — Prov. Salamanca: Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90 (3); Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87, 27. VI. 90 (2). — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Caceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (3), 7. VI. 89 (2); SW. of Guadalupe, 3. VI. 87 (5); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87. — Prov. Sevilla: N. of Burguillos, 7. V. 80.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers of Umbelliferae. Some males were collected on a hilltop while they were sitting on stones. — First record for the Iberian Peninsula.

Cestonia cineraria Rondani

Recorded from Spain by CZERNY & STROBL (1909:213) (as *Parerynnia vibrissata* Rond.).

Xylotachina diluta Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. V. 87, 28. V. 89. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Caceres:

Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2).

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Alsomyia olfaciens Pandellé

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. VI. 82, 6. VI. 87 (2), 21. VI. 87 (5), 25. VI. 87 (2), 29. V. 89, 11. VI. 89 (5), 15. VI. 90, 16. VI. 90 (6), 17. VI. 90 (2), 18. VI. 90 (2), 23. VI. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89, 12. VI. 89; Villar de la Yegua, Vado de la Viña, 9. VII. 90 (13), 10. VII. 90, 12. VII. 90; Aldea del Obispo, Prado Caño, 4. VII. 90, 13. VII. 90. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2).

Males and a few females on flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*, *Magydaris panacifolia*, *Carum verticillatum*). Most females were been collected while they were flying slowly near the ground between leaves in the shadow of *Quercus ilex*. — Recorded from Spain by MESNIL (1944–1975:381), but without locality.

Townsendiellomyia nidicola Townsend

Recorded from Spain in OILB-list 10:41 and from Portugal by SILVA & NOGUEIRA (1965:59) (as *Alsomyia nidicola* Tns.).

Platymyia fimbriata Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (4); 5 km SW. of Padrón, 9. IX. 86 (11). — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. L é r i d a: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. V. 83, 27. IV. 88 (2), 29. V. 89; Villar de Ciervo, Peña de la Campana, 16. V. 88 (2), 19. V. 88; Villar de Ciervo, Puente Quebrada, 14. IX. 86; Villar de la Yegua, Vado de la Viña, 9. VI. 83. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2), 8. VI. 89.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

On flowers (Umbelliferae, *Euphorbia* sp.) or swept from low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:213).

Eumeella perdives Villeneuve

Recorded from Spain by VILLENEUVE (1926:198) and MESNIL (1944–1975:356).

Zenillia dolosa Meigen

1 female recorded from Spain by CZERNY & STROBL (1909:213) (as *Zenillia libatrix* Mg. var. *grisella* Rond.).

Zenillia libatrix Panzer

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. V. 87, 28. IV. 88.

On flowers (Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Clemelis pullata Meigen

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Río Agueda near Puerto Seguro, 24. IV. 88; 6–8 km N. of Villar de Ciervo, 24. VI. 82, 23. V. 87 (3), 30. V. 87 (2), 6. VI. 87, 8. VI.

87 (2), 22. VI. 87, 13. V. 88 (2), 14. V. 88 (2), 20. V. 88 (4), 29. V. 89, 11. VI. 89 (5), 13. VI. 89; Villar de Ciervo, Puente Rieta, 28. VIII. 79 (4); Villar de Ciervo, Peña de la Campana, 16. V. 88 (2), 17. V. 88, 19. V. 88; Villar de Ciervo, Puente Quebrada, 10. VI. 89 (4); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (2); Rio Agueda near Castillejo de Martin Viejo, 13. IX. 84, 16. IX. 86, 17. IX. 86; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (2). — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2). — Prov. Almería: Río Andarraz near Fondón, 1. V. 80. — Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 5. VI. 89 (3); Sierra de Segura, Río Segura, 3. V. 88 (2). — Prov. Málaga: Surroundings of Antequera, 25. V. 83.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82, 11. VI. 83 (4).

On flowers (Umbelliferae, *Euphorbia* sp.), on leaves with honeydew or swept from low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:213) (as *Tritochaeta pullata* Mg.) and HERTING (1969:210).

Ceratochaetops triseta Villeneuve

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87; Villar de Ciervo, Peña de la Campana, 16. V. 88. — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Almería: Río Andarraz near Fondón, 1. V. 80. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 15. VI. 87 (2), 9. V. 88, 4. VI. 89 (11), 5. VI. 89 (5).

On flowers (*Euphorbia* sp., Umbelliferae) or swept from low vegetation. — Recorded from Spain and Portugal by HERTING (1969:210, 1977:9).

Pales opulenta Herting

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 11. V. 80 (5), 13. V. 80, 6. VI. 82, 24. V. 87 (2), 14. V. 88 (3), 20. V. 88 (13); Villar de Ciervo, Peña de la Campana, 17. V. 88 (3), 19. V. 88 (5), 30. V. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87 (7). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (35), 8. VI. 89 (20); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (19). — Prov. Almería: Río Andarraz near Fondón, 1. V. 80 (2). — Prov. Granada: Río Alcolea, W. of Ugijar, 6. V. 88 (9). — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 3. VI. 89, 4. VI. 89 (11), 5. VI. 89 (28); Sierra de Cazorla, Río Guadalquivir, 800 m, 8. V. 88; Sierra de Segura, Río Segura, 3. V. 88 (9). — Prov. Sevilla: El Garrobo, 10. V. 80 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (89).

On flowers (*Euphorbia* sp., Umbelliferae) or swept on pastures. — First record for the Iberian Peninsula.

Pales pavidula Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86; 5 km SW. of Padrón, 9. IX. 86 (7). — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79 (3). — Prov. Teruel: Río Guadalupe, 3 km W. Albarracín, 27. VIII. 86. — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (4); 6–8 km N. of Villar de Ciervo, 14. V. 80 (9), 7. VI. 83 (2), 23. V. 87, 24. V. 87 (3), 27. IV. 88 (2), 28. IV. 88, 13. V. 88, 20. V. 88, 29. V. 89 (4); Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88 (2); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (5); Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87 (3). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (34), 8. VI. 89 (15); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (7). — Prov. Granada: Río Guadalfeo, S. of Orgiva, 2. V. 80 (3). — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 9. V. 88, 4. VI. 89 (3); Sierra de Cazorla, Río Guadalquivir, 800 m, 8. V. 88.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:213) and HERTING (1969:210) and from Portugal by ARIAS (1912a:136) and SILVA & NOGUEIRA (1965:59). The older records may also include *Pales opulenta*.

Pales pumicata Meigen

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86 (3). — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87 (3).

On flowers (*Foeniculum vulgare*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:213).

Phryno vetula Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 80, 28. IV. 88 (2), 3. IV. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 19. V. 88. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88, 4. VI. 89, 5. VI. 89; Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88.

On flowers (*Euphorbia* sp., *Thapsia villosa*). — First record for the Iberian Peninsula.

Ceromasia rubrifrons Macquart

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 6. VI. 82, 23. V. 87 (2), 24. V. 87 (4), 30. V. 87 (4), 6. VI. 87 (2), 21. VI. 87 (5), 22. VI. 87 (4), 25. VI. 87, 27. IV. 88 (2), 28. IV. 88 (4), 13. V. 88 (16), 14. V. 88 (18), 15. V. 88 (18), 20. V. 88 (46), 28. V. 89, 29. V. 89 (7), 11. VI. 89 (6), 16. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88 (10), 17. V. 88 (28), 19. V. 88 (15); Villar de Ciervo, Puente Quebrada, 14. IX. 86, 16. V. 88, 30. V. 89 (4); Rio Agueda near Castillejo de Martin Viejo, 18. IX. 84, 16. IX. 86 (9), 17. IX. 86 (31), 18. IX. 86 (23), 20. IX. 86 (10), 21. IX. 86 (4); NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (8); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88. — Mallorca: La Albufera, 22. V. 85.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain in OILB-list 11:38. First record for Mallorca.

Ocytata pallipes Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 10. V. 83, 24. V. 87, 23. IV. 88, 27. IV. 88 (2), 28. IV. 88 (2), 13. V. 88 (2), 14. V. 88 (10), 15. V. 88 (11), 20. V. 88 (8), 28. V. 89 (5), 29. V. 89 (7); Villar de Ciervo, Peña de la Campana, 16. V. 88 (2), 17. V. 88 (4), 19. V. 88 (4); Rio Agueda near Castillejo de Martin Viejo, 17. IX. 86. — Prov. Jaén: Sierra de Segura, Rio Zumeta, 3. V. 88.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain by STROBL (1899:213, 1906:339) (as *Roeselia antiqua* Mg.) and HERTING (1969:211).

Pexopsis aprica Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 80; Villar de Ciervo, Peña de la Campana, 19. V. 88.

On flowers (*Euphorbia segetalis*, *Thapsia villosa*). — First record for the Iberian Peninsula.

Eurysthaea scutellaris Robineau-Desvoidy

Recorded from Spain by COLLADO (1931:353).

Erynnia ocypterata Fallén

Spain — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84.

Swept from flowers of *Mentha* sp. — First record for the Iberian Peninsula.

Elodia morio Fallén

Recorded from Portugal by SILVA & NOGUEIRA (1965:64) (as *E. tragica* Meig.).

Sturmia bella Meigen

Spain — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89.

On flowers of *Euphorbia* sp. — Recorded from Spain by MESNIL (1944–1975:137) and in OILB-list 10:47.

Blepharipa pratensis Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; 6–8 km N. of Villar de Ciervo, 13. V. 88, 20. V. 88; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87 (3). — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89 (11); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (9).

On flowers (*Euphorbia segetalis*, *Euphorbia* sp., *Thapsia villosa*). — Recorded from Spain by CZERNY & STROBL (1909:213) (as *Sturmia scutellata* R. D.).

Masicera pavoniae Robineau-Desvoidy

2 females recorded from Spain by STROBL (1899:213) (as *M. pratensis* Mg.). The females of *Masicera* are difficult to determine, therefore this record may refer to one of the two following species.

Masicera silvatica Fallén

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (3), 5. VI. 87, 27. VI. 90 (4).

On flowers (*Thapsia villosa*, *Carum verticillatum*). — Recorded from Spain by ARIAS (1912a:153).

Masicera sphingivora Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 13. V. 88, 20. V. 88, 14. IV. 90; Villar de Ciervo, Peña de la Campana, 17. V. 88; Villar de Ciervo, Puente Quebrada, 30. V. 89, 12. VI. 89; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 5. VI. 87. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89 (3), 28. VI. 90; 6 km SE. of Guadalupe, 8. VI. 89 (3).

On flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain in OILB-list 10:45.

Dolichocolon paradoxum Brauer & Bergenstamm

Recorded from Spain (Barcelona) by PANDELLÉ (1896:45) (as *Roeselia stylosa* Pand.).

Palesisa nudiculata Villeneuve

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89 (6), 5. VI. 89 (4).

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Prosopaea nigricans Egger

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 88, 15. V. 88; Villar de la Yegua, Vado de la Viña, 9. VI. 83. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89 (14), 5. VI. 89 (8); Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88; Sierra de Segura, Rio Segura, 3. V. 88 (2).

On flowers (*Euphorbia* sp., *Thapsia villosa*). — Recorded from Spain by HERTING (1978:2).

Gaedia connexa Meigen

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (3), 7. VI. 89 (23), 8. VI. 89 (10); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87 (3), 4. VI. 89 (3), 5. VI. 89 (2); Sierra de Segura, Rio Segura, 3. V. 88 (5).

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (3).

On flowers (*Euphorbia* sp., Umbelliferae). — First record for the Iberian Peninsula.

Gaedia hispanica Mesnil

Spain — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87.

On flowers of *Thapsia villosa*. — Described from Spain by MESNIL (1944–1975:273).

Frontina laeta Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Baumbaueria goniaeformis Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 3. IV. 90 (2), 7. IV. 90, 10. IV. 90, 11. IV. 90, 16. IV. 90, 17. IV. 90; Villar de Ciervo, Peña de la Campana, 14. IV. 90.

On flowers of *Euphorbia broteri*. — Recorded from Spain by CZERNY & STROBL (1909:214) and HERTING (1969:211).

Baumbaueria microps Mesnil

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88, 4. VI. 89 (2).

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Pachystylum breinii Macquart

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; Villar de Ciervo, Puente Quebrada, 10. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (4), 7. VI. 89 (17), 8. VI. 89 (11); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (24), 28. VI. 90; 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87; Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 15. V. 80 (2), 8. VI. 82.

On flowers (*Euphorbia* sp., Umbelliferae). — First record for the Iberian Peninsula.

Brachychaeta strigata Meigen

Recorded from Spain by CZERNY & STROBL (1909:214) (as *B. spinigera* Rond.).

Gonia atra Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. V. 83; Villar de Ciervo, Puente Rieta, 10. IX. 79; Villar de la Yegua, 7. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 26. VI. 90. — Prov. Cáceres: El Campillo, 4. VI. 87 (3); 6 km SE. of Guadalupe, 8. VI. 89.

Portugal — Prov. Faro: 10 km W. of Lagos, 3. VI. 83 (9), 4. VI. 83 (2), 6. VI. 83.

On flowers (*Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Thymus mastichina*, *Mentha* sp.). — Recorded from Spain by STROBL (1899:213, 1906:338), CZERNY & STROBL (1909:214), CODINA (1914:60) and from Spain and Mallorca by ARIAS (1912a:74).

Gonia capitata DeGeer

Recorded from Spain by LOEW (1870a) and ARIAS (1912a:81). These records need to be confirmed.

Gonia bimaculata Wiedemann

Spain — Prov. Salamanca: Villar de Ciervo, 7. VI. 82; Villar de Ciervo, Puente Rieta, 28. VIII. 79; Villar de Ciervo, Peña de la Campana, 2. VII. 90; Villar de la Yegua, 7. VII. 90 (7), 9. VII. 90, 11. VII. 90 (4); Villar de la Yegua, Vado de la Viña, 10. IX. 84, 7. VII. 90; Aldea del Obispo, Prado Caño, 4. VII. 90, 11. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 13. IX. 84, 14. IX. 84, 17. IX. 84, 26. VI. 90, 3. VII. 90; Saclices el Chico, 12. IX. 79; Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (13). — Prov. Cáceres: Embalse de Alcántara, Puente Romano, 22. VI. 82 (3); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Almería: Surroundings of Berja, 30. IV. 80. — Prov. Jaén: Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87 (6).

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86. — Prov. Faro: 3 km N. of Lagos, 19. VI. 82; 10 km W. of Lagos, 3. VI. 83 (4), 4. VI. 83.

On flowers (*Mentha pulegium*, *M. suaveolens*, *Thymus mastichina*, *Matricaria* sp., *Magydaris panacifolia*, *Elaeoselinum gummiferum*, *Daphne gnidium*). Some specimens (males and females) sitting on stones on a hilltop. — Recorded from Spain by STROBL (1899:213, 1906:338), CZERNY & STROBL (1909:214) and HERTING (1969:211) (as *Gonia cilipeda* Rond.).

Gonia maculipennis Egger

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88 (5).

5 males sitting or flying slowly in fresh grass near the water. — First record for the Iberian Peninsula.

Gonia olgae Rohdendorf

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88 (3).

3 females sitting or flying slowly in fresh grass near the water. — Recorded from Spain by HERTING (1980:5).

Gonia ornata Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. V. 83 (3), 13. V. 83, 23. IV. 88 (3), 24. IV. 88, 27. IV. 88, 28. IV. 88, 3. IV. 90 (9), 7. IV. 90 (19), 9. IV. 90, 10. IV. 90 (12), 11. IV. 90 (42), 12. IV. 90 (12), 14. IV. 90 (14), 16. IV. 90 (25), 17. IV. 90 (3); Villar de Ciervo, Peña de la Campana, 14. IV. 90. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 3. VI. 89.

On flowers (*Euphorbia broteri*, *E. segetalis*) or sitting on the ground or on stones. — Recorded from Spain by CZERNY & STROBL (1909:214), ARIAS (1912a:134), CODINA (1912:99) and HERTING (1969:211, 1978:3).

Gonia picea Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 23. IV. 88 (3), 3. IV. 90 (5), 7. IV. 90 (8), 11. IV. 90 (2), 12. IV. 90, 16. IV. 90 (3), 17. IV. 90; Villar de Ciervo, Peña de la Campana, 14. IV. 90.

On flowers (*Euphorbia broteri*, *E. segetalis*), some specimens sitting on the ground or on stones. — Recorded from Spain by CZERNY & STROBL (1909:214) (as *Gonia fasciata* Mg.).

Gonia vacua Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 10. IV. 90.

On flowers of *Euphorbia broteri*. — First record for the Iberian Peninsula.

Pseudogonia rufifrons Wiedemann

Spain — Prov. Vitoria: SW. of Vitoria, 20. V. 80 (2). — Prov. Gerona: Viladamat, 25. IX. 86 (3). — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 28. VIII. 79, 10. IX. 79 (4), 12. IX. 79 (2); Villar de Ciervo, Peña de la Campana, 2. VII. 90, 4. VII. 90; Villar de Ciervo, Puente Quebrada, 25. VI. 90, 2. VII. 90; Villar de la Yegua, 7. VII. 90; Aldea del Obispo, Prado Caño, 4. VII. 90 (6), 5. VII. 90 (30), 11. VII. 90 (2), 13. VII. 90 (2); S. of Castillejo de Martin Viejo, 9. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84; Saelices el Chico, 11. IX. 79 (22), 12. IX. 79 (10); Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (4); Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82. — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83.

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (2), 20. VI. 82.

On flowers (*Foeniculum vulgare*, *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Thapsia villosa* and other Umbelliferae, *Thymus mastichina*, *Mentha* sp., *Matricaria* sp.). — Recorded from Spain by ARIAS (1912b:389) (as *Cnephalia cinerascens* Rond.).

Spallanzania ?hebes Fallén

Spain — Prov. Cáceres: SW. of Guadalupe, 3. VI. 87 (2).

Sitting on stones on a hilltop. — *S. hebes* has been recorded from Spain by CZERNY & STROBL (1909:214) (as *Cnephalia bucephala* Mg.), but this record may refer to another species of *Spallanzania*.

The parafacials of the two collected males are distinctly broader than in normal specimens of *S. hebes*. Also the white pruinosity of tergite 5 is more dense and extends up to the hind margin.

Spallanzania multisetosa Rondani

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 13. VI. 83, 23. V. 87 (2), 24. V. 87 (16), 27. V. 87, 30. V. 87 (41), 6. VI. 87 (50), 8. VI. 87 (10), 21. VI. 87 (4), 22. VI. 87 (2), 25. VI. 87 (3), 27. IV. 88 (2), 28. IV. 88 (4), 14. V. 88, 15. V. 88, 20. V. 88 (3), 28. V. 89 (4), 29. V. 89 (6), 11. VI. 89 (13), 13. VI. 89 (2), 23. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88 (3), 17. V. 88 (4), 19. V. 88 (7), 30. V. 89 (5); Villar de Ciervo, Puente Quebrada, 25. V. 87 (3), 25. VI. 90, 30. VI. 90; Villar de la Yegua, Vado de la Viña, 14. VI. 89; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90. — Prov. Granada: Sierra Nevada, road to Pico Veleta, 2100 m, 18. VI. 87.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

On flowers (*Thapsia villosa*, *Carum verticillatum*, *Elaeoselinum gummiferum*, *Heracleum sphondylium* and other Umbelliferae, *Thymus mastichina*, *Euphorbia segetalis*). Few specimens sitting on the ground. — Recorded from Spain by HERTING (1969:211, 1978:3).

Spallanzania rectistylum Macquart

Spain — Prov. Granada: Rio Guadalfeo, S. of Orgiva, 2. V. 80. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87.

On flowers of *Euphorbia* sp. or sitting on stones. — Recorded from Spain by CODINA (1914:161), MESNIL (1944–1975:552) and HERTING (1969:211) (as *S. alpestris* Rond.).

2.2. Tachininae

Tachina grossa Linnaeus

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90 (3).

On flowers (*Heracleum sphondylium*, *Foeniculum vulgare*, *Thapsia villosa*). — Recorded from Spain by STROBL (1906:339) and CZERNY & STROBL (1909:218) and from Spain and Portugal by ARIAS (1912a:107).

Tachina magna Giglio-Tos

Recorded from Spain by CZERNY & STROBL (1909:219) (as *Laufferia fulvicornis* Strobl).

Tachina fera Linnaeus

Spain — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86 (12). — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86 (3). — Prov. Léon: Rio Valcarce near Pereje

(W. of Ponferrada), 11. IX. 86. — Prov. Salamanca: NW. of La Fregeneda, 29. IV. 88; Rio Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 14. V. 80, 12. VI. 83 (5), 13. VI. 83 (2), 24. V. 87 (19), 27. V. 87 (2), 30. V. 87 (6), 20. V. 88 (8), 28. V. 89 (2), 11. IV. 90 (2), 16. IV. 90 (2); Villar de Ciervo, Puente Rieta, 10. IX. 79; Villar de Ciervo, Peña de la Campana, 17. V. 88 (5), 19. V. 88 (3); Villar de Ciervo, Puente Quebrada, 25. V. 87 (2), 10. VI. 89 (2); Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84 (2), 13. IX. 84, 17. IX. 84 (2), 18. IX. 84 (4), 16. IX. 86 (3), 17. IX. 86 (3), 18. IX. 86 (4), 20. IX. 86 (2); Siera de Gata, W. of Puerto Viejo, 31. V. 87; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (4), 5. VI. 87 (2). — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (6), 8. VI. 89 (7); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (5). — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87; Surroundings of Polopos, 2. V. 80. — Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88. **Portugal** — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86; 4 km N. of Vilar Formoso, 11. VI. 83 (3), 26. V. 87 (2).

Most specimens on flowers (Umbelliferae, *Euphorbia* sp., *Daphne gnidium*, *Mentha* sp.), but also from leaves or swept from low vegetation. — Recorded from Spain by PANDELLÉ (1896:75), STROBL (1906:339), CZERNY & STROBL (1909:218) and HERTING (1969:212) and from Spain and Portugal by ARIAS (1912a:98).

Tachina magnicornis Zetterstedt

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (6). — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79 (5). — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (28), 29. IV. 88; Rio Agueda near Puerto Seguro, 27. V. 87 (2), 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 6. VI. 82 (4), 7. VI. 83 (2), 23. V. 87, 24. V. 87, 30. V. 87 (4), 6. VI. 87 (2), 27. IV. 88, 28. IV. 88, 20. V. 88; Villar de Ciervo, Peña de la Campana, 19. V. 88; Villar de la Yegua, Vado de la Viña, 9. VI. 83 (5); Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90 (3); Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82 (2), 27. VI. 90 (4); 7 km NW. of Béjar, 16. IX. 84 (2). — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (5). — Prov. Almería: 5 km NW. of Sorbas, 5. V. 88. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (25), 16. VI. 87 (8), 9. V. 88 (17), 3. VI. 89 (3), 4. VI. 89 (10); Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88. — Mallorca: Surroundings of Artá, 20. V. 85, 25. V. 85.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83, 3. VI. 83; 3 km N. of Lagos, 20. VI. 82; 10 km W. of Lagos, 11. VI. 87.

On flowers (Umbelliferae, *Euphorbia* sp.) or swept from low vegetation. Some specimens on stones or sitting on the ground. — Recorded from Spain by LOEW (1870b:138), STROBL (1906:339), CZERNY & STROBL (1909:218), CODINA (1912:97), COLLADO (1931:349) and HERTING (1969:212), from Spain including Mallorca by ARIAS (1912a:121) and from Mallorca by PANDELLÉ (1896:75).

Tachina ursina Meigen

Recorded from Spain by CZERNY & STROBL (1909:219).

Tachina lurida Fabricius

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 14. V. 80 (2), 23. V. 87, 24. V. 87 (5), 27. IV. 88 (5), 28. IV. 88 (2), 15. V. 88 (2), 20. V. 88 (6), 28. V. 89, 29. V. 89 (2); Villar de Ciervo, Peña de la Campana, 17. V. 88 (15), 19. V. 88 (9); Villar de Ciervo, Puente Quebrada, 16. V. 88 (4), 10. VI. 89; Siera de Gata, W. of Puerto Viejo, 31. V. 87; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 3. VI. 89.

Portugal – Prov. Guarda: 4 km N. of Vilar Formoso, 14. V. 80, 11. VI. 83 (3), 26. V. 87.

On flowers (*Euphorbia* sp., *Thapsia villosa* and other Umbelliferae), 2 specimens on leaves of *Quercus* sp. – Recorded from Spain by ARIAS (1912a:118) and HERTING (1969:212).

Tachina praeceps Meigen

Spain – Prov. Gerona: Viladamat, 25. IX. 86. – Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89. – Prov. Sevilla: El Garrobo, 10. V. 80 (2).

On flowers (*Thapsia villosa*, *Foeniculum vulgare* and other Umbelliferae). – Recorded from Spain by MACQUART (1845:263) (as *Echinomyia fuscipennis* Macq.), CZERNY & STROBL (1909:218), HERTING (1960:107) and ISENSEE et alii (1965:613).

Nowickia marklini Zetterstedt

Recorded from Spain (Córdoba) by ARIAS (1912a:122). Probably wrong, because *N. marklini* is a boreo-alpine species.

Nowickia ferox Panzer

Spain – Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87 (2).

On flowers of *Euphorbia* sp. or swept from low vegetation. – Recorded from Spain by ARIAS (1912a:98).

Nowickia rondanii Giglio-Tos

Spain – Prov. Salamanca: NW. of La Fregeneda, 29. IV. 88; Rio Agueda near Puerto Seguro, 27. V. 87, 28. V. 87; 6–8 km N. of Villar de Ciervo, 20. V. 88, 22. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 19. V. 88, 30. V. 89; Villar de Ciervo, Puente Quebrada, 25. V. 87 (2), 10. VI. 89.

On flowers (*Thapsia villosa*, *Carum verticillatum*, undetermined white Umbelliferae), sitting on stones or on branches. Most specimens were collected near brooks or rivers. – Recorded from Spain by HERTING (1978:3).

Peleteria ferina Zetterstedt

Recorded from Spain by CZERNY & STROBL (1909:218). This record needs to be confirmed.

Peleteria meridionalis Robineau-Desvoidy

Spain – Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 7. IV. 90, 11. IV. 90 (4), 12. IV. 90 (2), 14. IV. 90, 16. IV. 90.

Sitting on stones or on the ground or visiting flowers of *Euphorbia broteri*. – Recorded from Spain by CZERNY & STROBL (1909:218) and CODINA (1915:9) and from Portugal by ARIAS (1912a:147) (as *P. ruficeps* Macq.).

Peleteria rubescens Robineau-Desvoidy

Spain – Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86 (8). – Prov. Léon: Rio Valcarce near Pereje (W. of Ponferrada), 11. IX. 86 (2). – Prov. Salamanca: Rio Agueda near

Puerto Seguro, 27. V. 87 (2), 28. V. 87; 6–8 km N. of Villar de Ciervo, 6. VI. 87, 5. VII. 90; Villar de Ciervo, Puente Rieta, 10. IX. 79 (7), 12. IX. 79 (17); Villar de Ciervo, Peña de la Campana, 14. IV. 90; Villar de Ciervo, Puente Quebrada, 6. IX. 86, 19. IX. 86 (3), 21. VI. 90, 30. VI. 90, 6. VII. 90; Villar de la Yegua, 7. VII. 90 (3); Villar de la Yegua, Vado de la Viña, 7. VII. 90; Aldea del Obispo, Concepción, 25. VIII. 79 (3); S. of Castillejo de Martin Viejo, 9. IX. 84 (3); Rio Agueda near Castillejo de Martin Viejo, 13. IX. 84 (7), 14. IX. 84, 17. IX. 84, 18. IX. 84 (6), 18. IX. 86 (5), 26. V. 87, 26. VI. 90 (6), 3. VII. 90; Saelices el Chico, 11. IX. 79; Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (27), 12. IX. 84; Sierra de Gata, 2–6 km S. of Villarsrubias, 27. VI. 90. — Prov. Madrid: Rio Manzanares near El Pardo, 6. IX. 79 (4). — Prov. Murcia: 2 km S. of Puerto Lumbreras, 29. IV. 80. — Prov. Almeria: Surroundings of Berja, 30. IV. 80 (12). — Prov. Granada: Rio Guadalfeo, S. of Orgiva, 24. V. 83 (2). — Prov. Huelva: 5 km S. of Los Cabeudos, 31. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (10), 16. VI. 87 (5); Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87; Sierra de Cazorla, W. of Cabañas, 1800 m, 16. VI. 87 (3). — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (3). — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (2), 20. VI. 82 (2); 10 km W. of Lagos, 3. VI. 83 (4), 4. VI. 83 (6), 6. VI. 83, 11. VI. 87.

On flowers (*Mentha* sp., *Foeniculum vulgare*, *Thymus mastichina*, *Daphne gnidium*, *Elaeoselinum gummiferum*, *Magdyaris panacifolia*, *Thymus* sp., *Pastinaca sativa*, *Daucus carota*, *Thapsia villosa*, *Carum verticillatum*, *Origanum* sp., *Chrysanthemum* sp., *Euphorbia broteri*, *Euphorbia* sp. and others), sitting on the ground or on stones or swept from low vegetation. — Recorded from Spain by STROBL (1906:339), CZERNY & STROBL (1909:218), CODINA (1914:160), ISENSEE et alii (1965:613) and HERTING (1969:212), from Spain (including Mallorca) and Portugal by ARIAS (1912a:160) and from Mallorca by YERBURY (1901:273). This species has often been cited under various names (*P. tessellata* Fbr., *P. nigricornis* Meig., *P. prompta* Meig.).

Peleteria ruficornis Macquart

Spain — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 12. IX. 79 (4); Villar de Ciervo, Puente Quebrada, 19. IX. 86 (2); Villar de la Yegua, Vado de la Viña, 31. VIII. 79 (6); Rio Agueda near Castillejo de Martin Viejo, 13. IX. 84 (2), 18. IX. 84, 18. IX. 86 (8), 20. IX. 86, 21. IX. 86 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84.

On flowers (*Daphne gnidium*, *Mentha pulegium*, *M. suaveolens*). — Recorded from Spain by ARIAS (1912b:396).

Peleteria varia Fabricius

Spain — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86 (2). — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Lérida: 1.5 km N. of Organyà, 25. VIII. 86 (7). — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 10. IX. 79 (3), 12. IX. 79 (3); Villar de Ciervo, Puente Quebrada, 6. IX. 86, 10. VI. 89; Villar de la Yegua, 11. VII. 90 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84; Aldea del Obispo, Prado Caño, 5. VII. 90 (8); S. of Castillejo de Martin Viejo, 9. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84, 13. IX. 84 (5), 14. IX. 84, 15. IX. 84, 17. IX. 84 (6), 18. IX. 84 (10), 20. IX. 86; Sierra de Gata, 2–6 km S. of Villarsrubias, 23. VI. 82. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90 (2); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (12), 16. VI. 87 (30).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. — Prov. Faro: 10 km W. of Lagos, 4. VI. 83.

On flowers (*Mentha* sp., *Foeniculum vulgare*, *Daphne gnidium*, *Euphorbia* sp., *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Thapsia villosa*). — Recorded from Spain by ISENSEE et alii (1965:613).

Germaria barbara Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. VI. 82 (2), 30. VI. 90 (2), 1. VII. 90 (3); Villar de Ciervo, Peña de la Campana, 2. VII. 90 (21), 3. VII. 90 (18), 4. VII. 90 (15); Villar de Ciervo, Puente Quebrada, 12. VI. 89, 30. VI. 90; Villar de la Yegua, 11. VII. 90; Villar de la Yegua, Vado de la Viña, 7. VII. 90 (5), 9. VII. 90 (3), 10. VII. 90 (4), 12. VII. 90 (5); Aldea del Obispo, Prado Caño, 11. VII. 90 (2), 13. VII. 90 (3); Rio Agueda near Castillejo de Martin Viejo, 17. IX. 84.

Portugal — Prov. Faro: 10 km W. of Lagos, 4. VI. 83.

On flowers (*Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Foeniculum vulgare*, undetermined yellow Umbelliferae). Some specimens sitting on leaves in the shadow of *Quercus ilex*. — First record for the Iberian Peninsula.

MESNIL (1963:37) described 1 male of this species from Algeria. In the Spanish specimens the petiole of wing cell R5 is variable; it is often much shorter than vein r-m. The inner orbital bristle in males is normally lacking, but I have seen some specimens with one.

Germaria hispanica Mesnil

Spain — Prov. Salamanca: S. of Castillejo de Martin Viejo, 7. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 17. IX. 84.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (2); 10 km W. of Lagos, 3. VI. 83 (9), 4. VI. 83 (9), 6. VI. 83 (3).

On flowers (*Elaeoselinum gummiferum*, *Foeniculum vulgare*). — Described from Spain by MESNIL (1963:38).

Germaria ruficeps Fallén

Recorded from Spain by CZERNY & STROBL (1909:214). This record needs to be confirmed, it probably refers to the closely related *G. hispanica*.

Nemoraea pellucida Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (3). — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 14. V. 80, 23. V. 87, 24. V. 87. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89.

On flowers (*Euphorbia segetalis*, *Euphorbia* sp., *Thapsia villosa*, undetermined white Umbelliferae). — Recorded from Spain by STROBL (1906:345), CZERNY & STROBL (1909:232) (as *N. rubrica* Mg.), CODINA (1915:10) (as *N. vicina* Macq.), ARIAS (1912b:395) and COLLADO (1931:350).

Linnaemyia comta Fallén

Spain — Prov. Gerona: Viladamat, 25. IX. 86 (36).

On flowers of *Foeniculum vulgare*. — Recorded from Spain by CZERNY & STROBL (1909:216), CODINA (1914:160), ISENSEE et alii (1965:613) and from Spain including Mallorca by ARIAS (1912a:87). The older records may also include the closely related *L. soror*.

Linnaemyia soror Zimin

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (13); 6–8 km N. of Villar de Ciervo, 13. V. 83, 7. VI. 83, 8. VI. 87, 14. V. 88; Villar de Ciervo, Peña de la Campana, 17. V. 88, 19. V. 88, 30. V. 89; Villar de Ciervo, Puente Quebrada, 25. V. 87. — Prov. Badajoz: Los Santos de Maimona, 10. V. 80 (3). — Prov. Cáceres: Aldea del Cano, 10. V. 80 (2); Casas de Don Antonio, 10. V. 80 (3); Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (5); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (5); SW. of Guadalupe, 3. VI. 87 (7); 6 km SE. of Guadalupe, 8. VI. 89 (5). — Prov. Jaén: Río Viboras, S. of Martos, 21. V. 83. — Prov. Málaga: NW. of Ronda, 27. V. 83 (2). — Prov. Sevilla: N. of Burguillos, 7. V. 80 (5); El Garrobo, 10. V. 80.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (4), 26. V. 87.

On flowers (Umbelliferae, *Euphorbia* sp.). 7 specimens were collected on a hilltop while they were sitting on stones. — Recorded from Spain by HERTING (1958:7, 1969:213).

Linnaemyia vulpina Fallén

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Teruel: Río Guadalaviar, 3 km W. Albarracín, 27. VIII. 86 (3). — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: Río Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 24. V. 87; Villar de Ciervo, Puente Quebrada, 30. V. 89 (2); Villar de la Yegua, Vado de la Viña, 9. VI. 83, 14. VI. 89; Rivera de Azaba near Carpio de Azaba, 11. IX. 79, 12. IX. 84. — Prov. Badajoz: Río Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (12). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (34), 8. VI. 89 (20), 28. VI. 90; 6 km SE. of Guadalupe, 8. VI. 89 (5).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers (*Foeniculum vulgare*, *Mentha* sp., various undetermined white Umbelliferae, *Thapsia villosa*, *Pastinaca sativa*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Linnaemyia impudica Rondani

Spain — Prov. Cáceres: Castañar de Ibor, 1. VI. 87 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87, 7. VI. 89 (5), 8. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (10); 6 km SE. of Guadalupe, 8. VI. 89 (2). — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 16. VI. 87, 4. VI. 89, 5. VI. 89 (3).

On flowers (*Thapsia villosa*, undetermined yellow or white Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Linnaemyia tessellans Robineau-Desvoidy

Recorded from Spain by HERTING (1978:4).

Linnaemyia fissiglobula Pandellé

Spain — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 28. VI. 90.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Linnaemyia helvetica Herting

Spain — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 16. VI. 87 (13), 4. VI. 89.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Linnaemyia picta Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Linnaemyia lithosiophaga Rondani

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (10), 3. VI. 83 (6); 3 km N. of Lagos, 20. VI. 82; 10 km W. of Lagos, 4. VI. 83 (2), 6. VI. 83 (2).

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*). — Recorded from Spain by CZERNY & STROBL (1909:217).

Lydina aenea Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers of undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Lypha dubia Fallén

Spain — Prov. Murcia: 2 km S. of Puerto Lumbreras, 29. IV. 80.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

Swept from low vegetation or visiting flowers of *Euphorbia* sp. — Recorded from Spain by CZERNY & STROBL (1909:214).

Ernestia argentifera Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80, 14. V. 88, 20. V. 88 (3), 7. IV. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88 (3), 19. V. 88 (2).

On flowers (*Thapsia villosa*, *Euphorbia segetalis*), 1 specimen on a stone. — Recorded from Spain by COLLADO (1931:349). The record of *Erigone puparum* Fabr. from Spain (Barcelona) by PANDELLÉ (1896:31) may refer to this species.

Ernestia rudis Fallén

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (4).

On flowers (*Thapsia villosa*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Fausta nemorum Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 20. V. 88; Villar de Ciervo, Peña de la Campana, 17. V. 88.

On flowers (Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Eurithia anthophila Robineau-Desvoidy

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86 (3). — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79 (9).

On flowers (*Foeniculum vulgare*, undetermined white Umbelliferae). — Recorded from Spain (Granada) by CZERNY & STROBL (1909:218) (as *Erigone radicum* Fbr.).

Eurithia castellana Strobl

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. IV. 90.

On flowers of *Euphorbia broteri*. — Recorded from Spain by STROBL (1906:338) and HERTING (1969:213).

Eurithia consobrina Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86; 5 km SW. of Padrón, 9. IX. 86 (2).

On flowers of undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Eurithia intermedia Zetterstedt

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 80; Villar de Ciervo, Peña de la Campana, 16. V. 88 (2).

On flowers (*Thapsia villosa*, *Euphorbia segetalis*). — First record for the Iberian Peninsula.

Hyalurgus lucidus Meigen

Recorded from Spain (Barcelona) by PANDELLÉ (1895:328) (as *Macquartia diaphana* Fall.). This record needs to be confirmed, *H. lucidus* is a boreo-alpine species.

Gymnochaeta viridis Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 28. IV. 88; Villar de Ciervo, Puente Quebrada, 16. V. 88. — Prov. Madrid: Sierra de Guadarrama, 3 km W. of Guadarrama, 16. V. 80. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89. Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 15. V. 80 (4).

Sitting in the grass or on stones or visiting flowers (*Euphorbia segetalis*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:212) and HERTING (1969:213).

Zophomyia temula Scopoli

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 17. IV. 90. — Prov. Cáceres: 6 km SE. of Guadalupe, 8. VI. 89 (16). — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87 (2).

On flowers (*Thapsia villosa*, undetermined white Umbelliferae, *Euphorbia broteri*, *Euphorbia* sp.) or swept from *Pteridium aquilinum*. — Recorded from Spain by PANDELLÉ (1895:319), CZERNY & STROBL (1909:215), ARIAS (1912a:158) and HERTING (1969:213).

Loewia nudigena Mesnil

Spain — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79 (2).

On flowers of undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Loewia submetallica Macquart

Spain — Prov. Jaén: Sierra de Segura, Rio Segura, 3. V. 88.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2). — Prov. Faro: 10 km W. of Lagos, 3. VI. 83.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by STEIN (1924:160) (as *L. petiolata* Pand.).

Eloceria delecta Meigen

Recorded from Spain by STROBL (1906:339).

Brachymera rugosa Mik

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 14. V. 80 (2), 7. VI. 83, 12. VI. 83, 23. V. 87, 24. V. 87 (3), 30. V. 87, 24. VI. 87, 27. IV. 88, 13. V. 88 (5), 14. V. 88 (2), 15. V. 88 (15), 20. V. 88 (31), 28. V. 89 (2), 29. V. 89 (4); Villar de Ciervo, Peña de la Campana, 16. V. 88 (27), 17. V. 88 (43), 19. V. 88 (34), 30. V. 89 (6); Villar de Ciervo, Puente Quebrada, 25. V. 87, 16. V. 88 (3), 30. V. 89 (3), 10. VI. 89, 12. VI. 89 (2); Villar de la Yegua, Vado de la Viña, 9. VI. 83. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (4), 7. VI. 89 (7), 8. VI. 89 (5); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (12). **Portugal** — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (2).

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by MESNIL (1944–1975:1086).

Macquartia chalconota Meigen

Spain — Prov. Vitoria: SW. of Vitoria, 20. V. 80 (2). — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86 (4). — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 82; Rivera de Azaba near Carpio de Azaba, 12. IX. 84 (2). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (2). — Prov. Almería: Rio Andarraz near Fondón, 1. V. 80. — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87 (3); Padul, 24. V. 83.

On flowers (various Umbelliferae, *Euphorbia* sp., *Mentha* sp.) or swept from low vegetation. — Recorded from Spain by PANDELLÉ (1895:323), STROBL (1906:338) and HERTING (1969:213).

Macquartia dispar Fallén

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (2), 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 28. IV. 88, 28. V. 89; Villar de Ciervo, Puente Quebrada, 10. VI. 89; Villar de la Yegua, Vado de la Viña, 9. VI. 83.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers (*Thapsia villosa*, undetermined white Umbelliferae, *Euphorbia segetalis*), on leaves or swept from low vegetation. — Recorded from Spain by HERTING (1969:214).

Macquartia praefica Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 28. IV. 88; Villar de Ciervo, Peña de la Campana, 16. V. 88 (6), 17. V. 88 (5), 19. V. 88 (7), 30. V. 89; Villar de Ciervo, Puente Quebrada, 16. V. 88 (2). — Prov. Almería: Surroundings of Berja, 1. V. 80; Rio Andarraz near Fondón, 1. V. 80 (4). — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87, 9. V. 88 (3), 3. VI. 89 (3), 4. VI. 89 (5), 5. VI. 89 (6).

On flowers (*Euphorbia* sp., *Thapsia villosa*). — Recorded from Spain by HERTING (1969:214).

Macquartia tenebricosa Meigen

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

Swept from low vegetation or visiting flowers of an undetermined white Umbelliferae. — Recorded from Spain by CZERNY & STROBL (1909:215) (as *M. chalconota* Mg. var. *nitida* Rond.) and HERTING (1969:214).

Macquartia tessellum Meigen

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83, 29. IV. 88; Rio Agueda near Puerto Seguro, 27. V. 87 (16), 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 11. V. 80, 10. V. 83 (14), 13. VI. 83 (3), 24. V. 87, 6. VI. 87, 21. VI. 87 (2), 25. VI. 87 (2), 23. IV. 88, 27. IV. 88, 29. V. 89 (2), 11. VI. 89 (88), 11. IV. 90, 15. VI. 90, 16. VI. 90, 17. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88, 19. V. 88 (2); Villar de Ciervo, Puente Quebrada, 25. V. 87 (5); Rivera de Azaba near Carpio de Azaba, 12. IX. 84; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90. — Prov. Madrid: Sierra de Guadarrama, 3 km W. of Guadarrama, 16. V. 80. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89; SW. of Guadalupe, 3. VI. 87 (2). — Prov. Almeria: Surroundings of Berja, 30. IV. 80; Sierra de los Filabres, 4 km S. of Albaladejo, 4. V. 88 (4); 5 km NW. of Sorbas, 5. V. 88. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (12); Sierra Nevada, road to Pico Veleta, 2100 m, 18. VI. 87 (3). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87. — Mallorca: La Albufera, 22. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 15. V. 80 (3), 8. VI. 82, 13. V. 83 (3), 11. VI. 83 (2).

Most specimens sitting on stones or on the ground, a few visiting flowers (*Euphorbia* sp., various Umbelliferae) or swept from low vegetation. 88 specimens were collected in a tent trap during one day (11. VI. 89). — Recorded from Spain by STROBL (1899:213), CZERNY & STROBL (1909:214) (as *M. occlusa* Rond.) and HERTING (1969:213) (as *M. brevicornis* Macq.). First record for Mallorca.

Macquartia viridana Robineau-Desvoidy

Recorded from Spain by CZERNY & STROBL (1909:214) (as *M. maculifemur* Strobl) and HERTING (1969:214).

Triarthria setipennis Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. IV. 88, 28. IV. 88, 3. IV. 90 (2), 4. IV. 90, 7. IV. 90 (5); Villar de Ciervo, Peña de la Campana, 16. V. 88.

Sitting on stones or on walls, 2 specimens on flowers (*Euphorbia broteri*, *Thapsia villosa*). — Recorded from Spain by HERTING (1969:214).

Trichactia pictiventris Zetterstedt

Recorded from Spain by MESNIL (1944–1975:1223).

Neaera atra Robineau-Desvoidy

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87, 28. V. 87 (4); 6–8 km N. of Villar de Ciervo, 21. VI. 87 (2), 22. VI. 87, 28. IV. 88, 13. V. 88, 15. V. 88, 20. V. 88;

Villar de Ciervo, Peña de la Campana, 17. V. 88. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Almería: Sierra de los Filabres, 4 km S. of Albánchez, 4. V. 88 (2). — Prov. Jaén: 8 km N. of Alcalá, 21. V. 83 (3); Sierra de Cazorla, Río Guadalquivir, 1200 m, 9. V. 88; Sierra de Segura, Río Segura, 3. V. 88 (6). — Prov. Málaga: 18 km W. of Ronda, 27. V. 83 (2).

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (4); 10 km W. of Lagos, 4. VI. 83, 6. VI. 83.

On flowers (various Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Neaera laticornis Meigen

Spain — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79.

On flowers of an undetermined white Umbelliferae. — Recorded from Spain by PANDELLÉ (1896:90).

Heraultia albipennis Villeneuve

Spain — Prov. Alicante: N. of Santa Pola, 28. IV. 80. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83; Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83; Río Guadalfeo, S. of Orgiva, 24. V. 83.

Swept from low vegetation, 1 specimen on flowers of *Euphorbia* sp. — Recorded from Spain by HERTING (1969:215).

Elfia abnormis Stein

Recorded from Spain by HERTING (1980:6).

Elfia cingulata Robineau-Desvoidy

Spain — Prov. La Coruña: Piadela, 10. IX. 86.

Swept from undetermined white Umbelliferae. — Recorded from Spain by ANDERSEN (1988:52).

Phytomyptera nigrina Meigen

Spain — Prov. Salamanca: Villar de la Yegua, Vado de la Viña, 9. VI. 83; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87 (2). — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers (*Thapsia villosa*, undetermined white Umbelliferae), 1 specimen swept from low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:220) and from Portugal in OILB-list 5:354 (as *P. nitidiventris* Rond.).

Graphogaster vestita Rondani

Spain — Prov. Salamanca: Río Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 7. VI. 83, 30. V. 87. — Prov. Murcia: 2 km S. of Puerto Lumbreras, 29. IV. 80. — Prov. Alicante: N. of Santa Pola, 28. IV. 80 (58). — Prov. Almería: Surroundings of Berja, 30. IV. 80 (9); Sierra de las Estancias, Saliente, 4. V. 88; Sierra de los Filabres, 4 km S. of Albánchez, 4. V. 88 (20); Sierra de los Filabres, Puerto de la Virgen, 4. V. 88; 5 km NW. of Sorbas, 5. V. 88 (3); W. of Cabo de Gata, Dünenbereich, 5. V. 88 (6). — Prov. Córdoba: Río Guadalbarbo between Espiel and Alcaracejos, 19. V. 83 (2). — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (8); 2 km S. of Dúdar, 23. V. 83 (2); Padul,

24. V. 83 (4). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89 (2). — Prov. Malaga: Surroundings of Antequera, 25. V. 83 (2); Ruinas de Bobastro, 25. V. 83 (6); 5 km W. of San Pedro, 26. V. 83 (2); 5 km NW. of San Pedro, 5. V. 80.

On flowers (*Ferula communis*, *Euphorbia* sp., *Thapsia villosa*, *Daucus carota* and others) or swept from low vegetation. — Recorded from Southern Spain by CZERNY & STROBL (1909:223) and HERTING (1969:215) (as *G. andalusiaca* Strobl).

Ceromyia silacea Meigen

Recorded from Spain by STROBL (1906:418).

Actia crassicornis Meigen

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87 (2).

On flowers (*Carum verticillatum*, *Foeniculum vulgare*). — Recorded from Spain by STROBL (1906:339).

Actia infantula Zetterstedt

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89.

On flowers of *Euphorbia* sp. — Recorded from Spain by CZERNY & STROBL (1909:221) and STEIN (1924:137) (as *A. villeneuvei* Strobl).

Actia lamia Meigen

Recorded from Spain by ARIAS (1912b:391) (as *A. frontalis* Macq.).

Peribaea apicalis Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 30. V. 87 (2), 6. VI. 87 (5), 22. VI. 87 (5), 25. VI. 87 (3), 27. IV. 88 (2), 28. V. 89 (14), 29. V. 89 (19), 11. VI. 89 (19), 13. VI. 89 (2), 16. VI. 90 (34), 17. VI. 90, 18. VI. 90 (3); Villar de Ciervo, Peña de la Campana, 19. V. 88; Villar de Ciervo, Puente Quebrada, 10. VI. 89 (2), 12. VI. 89 (8); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (2); Rio Agueda near Castillejo de Martin Viejo, 17. IX. 86, 20. IX. 86; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Granada: 2 km S. of Dúdar, 23. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 5. VI. 89. — Prov. Malaga: 5 km W. of San Pedro, 26. V. 83; 5 km NW. of San Pedro, 5. V. 80. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (5).

On flowers (*Thapsia villosa*, *Ferula communis*, *Euphorbia* sp., *Elaeoselinum gum-miferum*, *Foeniculum vulgare*, *Daucus carota*). 10 specimens were collected in a tent trap. — Recorded from Spain by HERTING (1969:216). First record for Mallorca.

Peribaea discicornis Pandellé

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (6).

On flowers (*Thapsia villosa*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Peribaea tibialis Robineau-Desvoidy

Spain – Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (6); 6–8 km N. of Villar de Ciervo, 18. VI. 90; Villar de la Yegua, Vado de la Viña, 10. IX. 84. – Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). – Prov. Almería: Surroundings of Berja, 30. IV. 80. – Prov. Jaén: Sierra de Segura, Río Segura, 3. V. 88. – Prov. Sevilla: El Garrobo, 10. V. 80. – Mallorca: Surroundings of Artá, 20. V. 85 (2).

Portugal – Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. – Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83 (2).

On flowers (*Thapsia villosa*, *Euphorbia* sp., *Ferula communis*, undetermined white Umbelliferae) or swept from flowers of *Mentha* sp. – Recorded from Spain by COLADO (1931:354). First record for Mallorca.

Ceranthia selecta Pandellé

Spain – Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 14. V. 88; Villar de Ciervo, Peña de la Campana, 17. V. 88.

On flowers (*Thapsia villosa*, *Euphorbia segetalis*). – Recorded from Spain by CZERNY & STROBL (1909:221).

Siphona collini Mesnil

Spain – Prov. Teruel: Río Guadalaviar, 3 km W. Albarracin, 27. VIII. 86 (3).

Swept from the shadow of poplars. – First record for the Iberian Peninsula.

Siphona confusa Mesnil

Spain – Prov. Málaga: Ruinas de Bobastro, 25. V. 83.

Swept from low vegetation. – Recorded from Spain by HERTING (1969:216).

Siphona cristata Fabricius

Recorded from Spain by STROBL (1899:213) and CZERNY & STROBL (1909:222). These records need to be confirmed, species of *Siphona* are difficult to determine.

Siphona flavifrons Staeger

Recorded from Spain by CZERNY & STROBL (1909:222). This record is possibly wrong.

Siphona geniculata DeGeer

Spain – Prov. La Coruña: Piadela, 10. IX. 86. – Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. V. 87 (3), 30. V. 87 (3), 21. VI. 87 (8), 22. VI. 87 (5), 25. VI. 87 (2), 23. IV. 88, 20. V. 88, 11. VI. 89; Villar de Ciervo, Puente Rieta, 12. IX. 79; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 6. IX. 86, 14. IX. 86, 19. IX. 86; Villar de la Yegua, Vado de la Viña, 31. VIII. 79, 10. IX. 84 (2); Río Agueda near Castillejo de Martín Viejo, 14. IX. 84 (4), 15. IX. 84 (4), 17. IX. 86 (4); Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (3), 12. IX. 84. – Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83.

Portugal – Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (5).

Swept from grass, low vegetation or flowers of *Mentha* sp. – Recorded from Spain by PANDELLÉ (1894:108), STROBL (1899:213, 1906:339), CZERNY & STROBL (1909:222), ARIAS (1912a:104), CODINA (1912:93) and HERTING (1969:215). The older records may refer to another species of this difficult genus.

Siphona pauciseta Rondani

Spain — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 13. IX. 84.

Swept from low vegetation. — First record for the Iberian Peninsula.

Siphona rossica Mesnil

Spain — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84. — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80.

Swept from low vegetation and from yellow Compositae. — Recorded from Spain by HERTING (1969:216).

Aphria latifrons Villeneuve

Recorded from Spain by HERTING (1978:5).

Aphria longirostris Meigen

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 16. IX. 86. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90. — Prov. Granada: Sierra Nevada, road to Pico Veleta, 2100 m, 18. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (4); Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87 (2). — Prov. Malaga: NW. of Ronda, 27. V. 83.

On flowers (*Foeniculum vulgare*, *Thapsia villosa*, *Euphorbia* sp.). 3 males were collected on hilltops while they were sitting on stones. — Recorded from Spain by PANDELLÉ (1896:68) and HERTING (1969:216).

Bithia demotica Egger

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 4. VI. 89. — Prov. Malaga: NW. of Ronda, 27. V. 83.

Swept from various flowers. — First record for the Iberian Peninsula.

Bithia discreta Tschorsnig

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83.

Swept from low vegetation. — Described from Spain by TSCHORSNIG (1986:1).

Bithia immaculata Herting

Spain — Prov. Salamanca: Villar de Ciervo, Peña de la Campana, 4. VII. 90; Villar de la Yegua, Vado de la Viña, 12. VII. 90.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (12); 10 km W. of Lagos, 11. VI. 87 (2).

On flowers (*Elaeoselinum gummiiferum*, *Thapsia villosa*). — Recorded from Spain by HERTING (1971:15).

Bithia modesta Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 22. VI. 87 (2), 24. VI. 87, 25. VI. 87 (4), 11. VI. 89, 13. VI. 89 (3), 15. VI. 90 (11), 16. VI. 90 (12), 17. VI. 90 (14), 18. VI. 90 (52), 22. VI. 90 (20), 23. VI. 90 (65), 30. VI. 90 (34), 1. VII. 90 (11), 5. VII. 90 (4); Villar de Ciervo, Las Coronas, 26. VI. 90; Villar de Ciervo, Peña de la Campana, 2. VII. 90 (9), 3. VII. 90 (8), 4. VII. 90 (7), 6. VII. 90 (22); Villar de Ciervo, Puente Quebrada, 10. VI. 89 (4),

20. VI. 90 (58), 21. VI. 90 (45), 24. VI. 90, 25. VI. 90 (2), 30. VI. 90, 2. VII. 90 (4); Villar de la Yegua, 7. VII. 90 (3), 9. VII. 90, 11. VII. 90 (21); Villar de la Yegua, Vado de la Viña, 10. IX. 84, 14. VI. 89 (12); Aldea del Obispo, Concepción, 25. VIII. 79; Aldea del Obispo, Prado Caño, 3. VII. 90, 4. VII. 90 (3), 5. VII. 90 (10), 11. VII. 90 (3), 13. VII. 90 (3); Río Agueda near Castillejo de Martín Viejo, 11. IX. 84 (2), 14. IX. 84, 26. VI. 90 (6), 3. VII. 90; Río Agueda near Herguizuela de Ciudad Rodrigo, 29. VI. 90 (7); Sierra de Gata, Río Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82, 27. VI. 90. — Prov. Ciudad Real: Río Tirteafuera, W. of Abenójar, 6. VI. 89; Río Valdeazogues, 14 km E. of Almadén, 18. V. 83 (2). — Prov. Badajoz: Río Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: El Campillo, 4. VI. 87 (2); Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89. — Prov. Cádiz: 2 km S. of Sotogrande, 28. V. 83. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 15. VI. 87; 3 km SW. of Valdecazorla, 6. VI. 89. — Prov. Málaga: Surroundings of Antequera, 25. V. 83 (2); 5 km W. of San Pedro, 26. V. 83.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (4), 8. IX. 84 (3). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83, 3. VI. 83; 3 km N. of Lagos, 19. VI. 82; 10 km W. of Lagos, 3. VI. 83 (4), 4. VI. 83, 6. VI. 83 (2), 11. VI. 87 (2).

On flowers (various Umbelliferae and Compositae, *Thymus mastichina*). — Recorded from Spain by CZERNY & STROBL (1909:215). The record of *Rhinotachina proletaria* Egg. by CORTI (1903:1076) from Portugal may refer to this or another species of *Bithia*.

Bithia spreta Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86.

On flowers of an undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Solieria fenestrata Meigen

Recorded from Spain by ARIAS (1912a:98) (as *Myiobia fenestrata* Mg.). This record needs to be confirmed.

Solieria pacifica Meigen

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86.

Swept from flowers (*Foeniculum vulgare*, *Mentha* sp.). — First record for the Iberian Peninsula.

Clausicella suturata Rondani

Spain — Prov. Badajoz: Río Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87, 28. VI. 90. — Prov. Almería: Sierra de los Filabres, 4 km S. of Albalá, 4. V. 88. — Prov. Granada: Río Alcolea, W. of Ugijar, 6. V. 88 (2). — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (3), 20. VI. 82 (8); 10 km W. of Lagos, 11. VI. 87 (30).

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*, *Ferula communis*, *Daucus carota*, *Euphorbia* sp.). — Recorded from the Balearic Islands by PANDELLÉ (1894:113). First record for the Iberian Peninsula.

Mintho rufiventris Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 6. VI. 87, 11. VI. 89; Villar de Ciervo, Puente Quebrada, 19. IX. 86; Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84, 16. IX. 86 (2), 18. IX. 86; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82. — Prov. Caceres: 2 km N. of Talayuela, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89; SW. of Guadalupe, 3. VI. 87 (4). — Prov. Granada: Sierra Nevada, road to Pico Veleta, 2100 m, 18. VI. 87 (4). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (4), 9. V. 88 (12), 4. VI. 89; Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87. **Portugal** — Prov. Faro: Serra do Monchique, 20. VI. 82; 10 km W. of Lagos, 5. VI. 83.

Most specimens were collected while they were sitting or running on, or between, stones, often on or near hilltops. Only few specimens on flowers (*Thapsia villosa*, *Foeniculum vulgare*) or swept from low vegetation. — Recorded from Spain by STROBL (1906:338), CZERNY & STROBL (1909:214) (as *M. lacera* Rond.), ISENSEE et alii (1965:613) and HERTING (1969:216). The record of *Mintho praeceps* by ARIAS (1912a:139) probably refers to this species.

Pseudomintho diversipes Strobl

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. V. 87; Villar de Ciervo, Puente Quebrada, 6. IX. 86; Villar de la Yegua, Vado de la Viña, 31. VIII. 79, 7. VI. 82, 9. VI. 83 (4), 10. IX. 84 (2), 10. VII. 90 (2), 12. VII. 90 (5); Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84 (2). — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82 (2). — Prov. Almeria: Surroundings of Berja, 30. IV. 80; Sierra de los Filabres, 4 km S. of Albanchez, 4. V. 88; W. of Cabo de Gata, Dünenbereich, 5. V. 88 (9). — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (6); Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83; 2 km S. of Dúdar, 23. V. 83 (3); Padul, 24. V. 83. — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 4. VI. 89, 5. VI. 89; Sierra de Segura, Rio Segura, 3. V. 88 (2). — Prov. Malaga: NW. of Ronda, 27. V. 83; 18 km W. of Ronda, 27. V. 83 (2). **Portugal** — Prov. Faro: NW. of Odiáxere, 3. VI. 83 (3); 6–8 km N. of Lagos, 2. VI. 83 (24); 3 km N. of Lagos, 19. VI. 82 (31); 10 km W. of Lagos, 3. VI. 83, 4. VI. 83 (42), 11. VI. 87 (22).

On flowers (*Mentha* sp., *Ferula communis*, *Euphorbia* sp., *Thapsia villosa*, *Elaeoselinum gummiferum*, *Daucus carota*, yellow Compositae) or swept from low vegetation. — Recorded from Spain by STROBL (1899:213), CZERNY & STROBL (1909:222) and STEIN (1924:172).

Minthodes numidica Villeneuve

Spain — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85; La Albufera, 18. V. 85, 22. V. 85, 25. V. 85 (2); Surroundings of Artá, 20. V. 85 (11), 25. V. 85 (5).

On flowers (*Daucus carota*, *Euphorbia* sp.). — First record for Mallorca.

Hyperaea femoralis Meigen

Spain — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Prov. Caceres: SW. of Guadalupe, 3. VI. 87 (2). — Prov. Murcia: 2 km S. of Puerto Lumbreras, 29. IV. 80. — Prov. Almeria: Sierra de los Filabres, 4 km S. of Albanchez, 4. V. 88 (2); 5 km NW. of Sorbas, 5. V. 88 (6). — Prov. Granada: 2 km S. of Dúdar, 23. V. 83 (14); Padul, 24. V. 83 (2).

Swept from sparse, low arid vegetation or visiting flowers (*Euphorbia* sp., *Daucus carota*, *Thapsia villosa*, yellow Compositae). 1 male and 1 female were collected on a hilltop while they were sitting on stones. — Recorded from Spain by PANDELLÉ

(1896:134) (as *Phyto femoralis* Meig.) and CZERNY & STROBL (1909:216) (as *Cylindromyiopsis femoralis* Mg.). The record of the closely related *H. sanguinea* Rond. by CORTI (1903:1076) and CZERNY & STROBL (1909:215) is doubtful, this species is known only from Italy and Dalmatia.

Plesina phalerata Meigen

Recorded from Spain by CZERNY & STROBL (1909:224).

Microphthalma europaea Egger

Spain — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 11. IX. 84 (3), 13. IX. 84 (3), 15. IX. 84 (2), 18. IX. 84 (2); NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84 (4); Rivera de Azaba near Carpio de Azaba, 12. IX. 84. — Prov. Almeria: Sierra de las Estancias, Saliente, 4. V. 88. — Prov. Granada: Rio Alcolea, W. of Ugijar, 6. V. 88.

Swept from vegetation near the water (*Juncus* sp., *Mentha* sp. etc.). 1 specimen visiting flowers of *Euphorbia* sp. — Recorded from Spain by STROBL (1906:346) and CZERNY & STROBL (1909:232).

Melisonaura leucoptera Meigen

Recorded from Spain by CODINA (1912:119).

2.3. Dexiinae

Billaea adelpha Loew

Spain — Prov. Salamanca: Villar de Ciervo, Peña de la Campana, 2. VII. 90, 3. VII. 90; Villar de Ciervo, Puente Quebrada, 12. VI. 89 (2), 4. VII. 90; Villar de la Yegua, Vado de la Viña, 9. VII. 90, 10. VII. 90 (3). — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (9). — Prov. Caceres: Castañar de Ibor, 1. VI. 87 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89; 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Malaga: 18 km W. of Ronda, 27. V. 83. — Prov. Sevilla: N. of Burguillos, 7. V. 80 (4). **Portugal** — Prov. Faro: 3 km N. of Lagos, 19. VI. 82 (3), 20. VI. 82 (3).

On flowers (*Thapsia villosa*, *Elaeoselinum gummiferum*). Some specimens collected from the shadow of large stones. — First record for the Iberian Peninsula.

Billaea biserialis Portshinsky

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80, 14. V. 80 (12), 6. VI. 82 (12), 10. VI. 82 (4), 7. VI. 83 (3), 23. V. 87, 24. V. 87 (13), 30. V. 87 (4), 6. VI. 87 (5), 8. VI. 87, 25. VI. 87, 27. IV. 88, 28. IV. 88 (2), 13. V. 88 (10), 14. V. 88 (12), 15. V. 88 (21), 20. V. 88 (70), 28. V. 89 (4), 29. V. 89 (6), 11. VI. 89, 13. VI. 89, 18. VI. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88 (40), 17. V. 88 (110), 19. V. 88 (65), 30. V. 89 (31), 4. VII. 90; Villar de Ciervo, Puente Quebrada, 25. V. 87 (4), 16. V. 88 (7), 30. V. 89 (31), 10. VI. 89 (15), 12. VI. 89 (6); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (4), 14. VI. 89, 9. VII. 90; Aldea del Obispo, Prado Caño, 11. VII. 90, 13. VII. 90; Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89; Los Santos de Maimona, 10. V. 80 (8). — Prov. Caceres: Aldea del Cano, 10. V. 80 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87; 6 km SE. of Guadalupe, 8. VI. 89 (3). — Prov. Cordoba: Rio Guadabarro between Espiel and Alcaracejos, 19. V. 83 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88; Sierra Morena, Desfiladero de Despeñaperros, 6. VI. 89 (2). — Prov. Malaga: NW. of Ronda, 27. V. 83 (2). — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80 (7); N. of Burguillos, 7. V. 80 (13); El Garrobo, 10. V. 80 (8).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (4), 11. VI. 83 (24), 26. V. 87 (8). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83, 3. VI. 83.

On flowers (*Thapsia villosa*, *Euphorbia* sp., *Elaeoselinum gummiferum*, *Thymus mastichina*, *Carum verticillatum* and other Umbelliferae, Compositae). — Recorded from Spain by CZERNY & STROBL (1909:233) (as *Myxodexia macronychia* B. B.) and HERTING (1969:217).

Billaea irrorata Meigen

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89 (2).

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Billaea lata Macquart

Spain — Prov. Cáceres: El Campillo, 4. VI. 87.

On flowers of *Elaeoselinum gummiferum*. — Recorded from Spain by CZERNY & STROBL (1909:233) (as *Rhynchodinera cinerascens* B. B.).

Billaea maritima Schiner

Portugal — Prov. Faro: 3 km N. of Lagos, 20. VI. 82; 10 km W. of Lagos, 3. VI. 83.

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*). — First record for the Iberian Peninsula.

Billaea marmorata Meigen

Spain — Prov. Salamanca: Villar de Ciervo, Las Coronas, 26. VI. 90; Villar de la Yegua, Vado de la Viña, 10. VII. 90.

On flowers of *Ruta montana* or sitting in the shadow of large stones. — Described from Spain by MEIGEN (1838:270) (as *Dexia marmorata*) and by BRAUER & BERGENSTAMM (1889:127,169) (as *Paraprosena waltlii*).

Billaea pectinata Meigen

Recorded from Spain by STEIN (1924:232).

Estheria cristata Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79; Villar de Ciervo, Puente Rieta, 12. IX. 79; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 14. IX. 86 (2); Villar de la Yegua, Vado de la Viña, 9. VI. 83; Rio Agueda near Castillejo de Martín Viejo, 9. IX. 84 (2), 11. IX. 84 (2), 13. IX. 84 (8), 15. IX. 84 (2), 17. IX. 84 (2), 18. IX. 84, 18. IX. 86 (9), 20. IX. 86 (2); Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (5), 12. IX. 84 (2); Sierra de Gata, 2–6 km S. of Villastrubias, 23. VI. 82. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (3).

On flowers (*Mentha pulegium*, *M. suaveolens*, *Foeniculum vulgare*, *Thapsia villosa*, undetermined white Umbelliferae) or swept from low vegetation near the water. — First record for the Iberian Peninsula.

Estheria decolor Pandellé

Spain — Prov. Salamanca: Villar de Ciervo, Peña de la Campana, 2. VII. 90; Villar de Ciervo, Puente Quebrada, 20. VI. 90 (6), 21. VI. 90 (5), 24. VI. 90 (4), 30. VI. 90 (12), 4. VII. 90 (6); Villar de la Yegua, Vado de la Viña, 9. VII. 90 (65), 10. VII. 90 (10), 12. VII. 90 (14).

Males waiting on large stones near the water. Females were collected from the shadow of *Quercus ilex* or large stones, either sitting on the trunk or on the ground. Only 1 specimen was collected from flowers of *Elaeoselinum gummiferum*. — First record for the Iberian Peninsula.

Estheria microcera Robineau-Desvoidy

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (3), 28. V. 87 (5); 6–8 km N. of Villar de Ciervo, 6. VI. 82 (9), 12. VI. 82 (4), 24. VI. 82, 13. VI. 83, 30. V. 87 (2), 6. VI. 87 (21), 8. VI. 87 (5), 21. VI. 87 (5), 22. VI. 87 (2), 24. VI. 87, 25. VI. 87 (6), 28. V. 89 (11), 29. V. 89 (28), 11. VI. 89 (5), 13. VI. 89 (5), 15. VI. 90 (11), 16. VI. 90 (12), 17. VI. 90 (11), 18. VI. 90 (22), 22. VI. 90 (2), 23. VI. 90 (4), 30. VI. 90 (5), 1. VII. 90 (3); Villar de Ciervo, Peña de la Campana, 30. V. 89 (8), 2. VII. 90 (4), 4. VII. 90 (3); Villar de Ciervo, Puente Quebrada, 30. V. 89 (48), 10. VI. 89 (90), 12. VI. 89 (50), 20. VI. 90, 21. VI. 90 (2), 25. VI. 90 (9), 30. VI. 90 (2); Villar de la Yegua, Vado de la Viña, 9. VI. 83 (8), 10. VII. 90. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87. — Prov. Córdoba: Rio Guadabarbo between Espiel and Alcaracejos, 19. V. 83.

On flowers (*Thapsia villosa*, *Elaeoselinum gummiferum*, *Magdalis panacifolia*, *Carum verticillatum*, *Ferula communis*, *Thymus mastichina*, *Ruta montana*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:232) (as *Myiostoma microcerum* R. D.) and HERTING (1978:5).

Estheria petiolata Bonsdorff

Recorded from Spain by STROBL (1899:217) (as *Syntomocera cristata* Rond.) and STEIN (1924:235).

Estheria picta Meigen

Recorded from Spain by CZERNY & STROBL (1909:232) (as *Dexiomorpha picta* Mg.). This record needs to be confirmed, it probably refers to the closely related *E. decolor* Pand.

Estheria sp.

Spain — Prov. Salamanca: NW. of La Fregeneda, 29. IV. 88 (9); Rio Agueda near Puerto Seguro, 24. IV. 88 (2); 6–8 km N. of Villar de Ciervo, 11. V. 80, 13. V. 80 (5), 14. V. 80 (6), 10. V. 83 (91), 13. V. 83 (45), 7. VI. 83 (2), 23. IV. 88 (15), 24. IV. 88 (8), 27. IV. 88 (21), 28. IV. 88 (39), 13. V. 88 (21), 14. V. 88 (13), 15. V. 88 (26), 20. V. 88 (25), 28. V. 89, 29. V. 89 (2), 3. IV. 90 (3), 4. IV. 90, 7. IV. 90 (36), 9. IV. 90 (10), 10. IV. 90 (20), 11. IV. 90 (28), 12. IV. 90 (46), 14. IV. 90 (28), 16. IV. 90 (46), 17. IV. 90 (4); Villar de Ciervo, Peña de la Campana, 16. V. 88 (10), 17. V. 88 (40), 19. V. 88 (16), 30. V. 89, 14. IV. 90 (6); Villar de Ciervo, Puente Quebrada, 16. V. 88 (14); Villar de la Yegua, Vado de la Viña, 14. IV. 90; Rio Agueda near Castillejo de Martin Viejo, 21. IX. 86. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (5); Sierra de Sagra, 3. V. 88 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 13. V. 83, 11. VI. 83.

On yellow flowers (*Euphorbia segetalis*, *E. broteri*, *E. sp.*, *Thapsia villosa*, Compositae), sitting on stones or on the ground. The single specimen collected in autumn was swept from bushes of *Daphne gnidium* (without flowers). Occasionally aggregations of males (approximately 5–15 individuals), waiting on or swarming around bushes of broom (*Cytisus multiflorus*), were observed. — Recorded from Spain by HERTING (1978:5) (as *Estheria nigella* Mesn.), but the species is as yet undescribed.

Dexia rustica Fabricius

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Cáceres: 2 km N. of Talayuela, 1. VI. 87 (2); Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89 (6). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (6), 3. VI. 89 (5), 4. VI. 89 (5), 5. VI. 89.

Swept from low vegetation or visiting flowers (*Euphorbia* sp., white Umbelliferae). — Recorded from Spain by LOEW (1870b:138), CZERNY & STROBL (1909:232) and ARIAS (1912a:149).

Prosenia siberita Fabricius

Recorded from Spain by LOEW (1870b:138).

Trixiceps magnipalpis Bezzi

Recorded from Spain (Sierra de Guadarrama) by MESNIL (1980:16).

Zeuxia aberrans Loew

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 10. VI. 89, 12. VI. 89, 20. VI. 90 (17), 21. VI. 90 (4), 2. VII. 90.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83, 3. VI. 83; 10 km W. of Lagos, 4. VI. 83.

On flowers (*Matricaria* sp., Umbelliferae). — Recorded from Spain by CZERNY & STROBL (1909:228) (as *Z. palumbii* Rond.).

Zeuxia antoniae Tschorsnig

Portugal — Prov. Faro: 10 km W. of Lagos, 4. VI. 83 (2).

On flowers of Umbelliferae. — Described from Portugal by TSCHORSNIG (1984:4).

Zeuxia cinerea Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79; 6–8 km N. of Villar de Ciervo, 22. VI. 87, 11. VI. 89, 16. VI. 90, 1. VII. 90; Villar de Ciervo, Puente Rieta, 28. VIII. 79, 12. IX. 79; Villar de Ciervo, Peña de la Campana, 3. VII. 90 (2); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (2), 14. IX. 86, 19. IX. 86, 30. V. 89 (8), 10. VI. 89 (2), 4. VII. 90 (2); Villar de la Yegua, 7. VII. 90 (3); Villar de la Yegua, Vado de la Viña, 31. VIII. 79 (2), 10. IX. 84 (2); Aldea del Obispo, Prado Caño, 5. VII. 90 (3), 11. VII. 90 (4), 13. VII. 90; Rio Agueda near Castillejo de Martín Viejo, 18. IX. 84, 26. VI. 90 (2); Rivera de Azaba near Carpio de Azaba, 11. IX. 79. — Prov. Avila: Rio Tormes, 10 km E. of El Barco de Avila, 9. IX. 79. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87.

Portugal — Prov. Faro: 10 km W. of Lagos, 11. VI. 87.

On flowers (*Mentha pulegium*, *M. suaveolens*, *Elaeoselinum gummiferum*, *Thymus mastichina*, *Magyaris panacifolia*, *Carum verticillatum*, *Foeniculum vulgare*, *Thapsia villosa*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Zeuxia sicardi Villeneuve

Recorded from Spain by VILLENEUVE (1920a:120), HERTING (1978:5) and MESNIL (1980:23).

Zeuxia subapennina Rondani

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 30. V. 89, 10. VI. 89, 20. VI. 90 (5), 21. VI. 90 (2), 2. VII. 90 (2).

On flowers of *Matricaria* sp. — First record for the Iberian Peninsula.

Zeuxia zernyi Mesnil

Spain — Prov. Badajoz: Los Santos de Maimona, 10. V. 80. — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2).

Portugal — Prov. Faro: 10 km W. of Lagos, 4. VI. 83.

On flowers of *Thapsia villosa*. — Described from Spain by MESNIL (1963:56).

Eriothrix apennina Rondani

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (10). — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83; Villar de la Yegua, Vado de la Viña, 7. VI. 82; Sierra de Gata, Río Agueda, 5 km N. of El Payo, 27. VI. 90 (4); Sierra de Gata, 2–6 km S. of Villarsrubias, 27. VI. 90 (3); near La Alberca, 11. VI. 82. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. VI. 82 (2).

On flowers (*Carum verticillatum*, *Heracleum sphondylium*, other white Umbelliferae) or swept from grass. — Recorded from Spain by STROBL (1906:338) and CZERNY & STROBL (1909:215) (as *Olivieria latifrons* Br.).

Eriothrix rufomaculata DeGeer

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 83, 23. IV. 88 (2), 3. IV. 90 (2), 7. IV. 90 (3), 10. IV. 90, 16. IV. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 14. IX. 86 (9), 19. IX. 86; Villar de la Yegua, Vado de la Viña, 9. VI. 83, 10. IX. 84 (3); Río Agueda near Castillejo de Martín Viejo, 11. IX. 84, 14. IX. 84 (13), 15. IX. 84 (22), 17. IX. 84 (2), 18. IX. 84 (9), 16. IX. 86 (3), 17. IX. 86 (5); Rivera de Azaba near Carpio de Azaba, 12. IX. 84.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86; 4 km N. of Vilar Formoso, 8. IX. 84 (2). — Prov. Faro: NW. of Odiaxere, 3. VI. 83 (2).

On flowers (*Mentha pulegium*, *M. suaveolens*, *Euphorbia broteri*, *E. segetalis*, *Foeniculum vulgare*) or swept from grass or other low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:215) and ARIAS (1912a:148).

Campylochaeta crassiset Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 7. IV. 90.

On flowers of *Euphorbia broteri*. — Described from Spain by MESNIL (1944–1975:1252).

Campylochaeta inepta Meigen

Spain — Prov. Salamanca: Río Agueda near Castillejo de Martín Viejo, 13. IX. 84, 17. IX. 84, 18. IX. 84 (16), 16. IX. 86 (3), 21. IX. 86 (2). — Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83 (3).

Swept from bushes of *Daphne gnidium* or *Pteridium aquilinum* or visiting flowers (*Foeniculum vulgare*, *Mentha pulegium*, *M. suaveolens*). — Recorded from Spain by STROBL (1906:336), CZERNY & STROBL (1909:213) (as *Hypochaeta castellana* Strobl.) and COLLADO (1931:354).

Engeddia hispanica Tschorsnig

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 23. V. 87, 24. IV. 88, 27. IV. 88 (8), 28. IV. 88 (5), 14. V. 88, 10. IV. 90 (2), 12. IV. 90, 14. IV. 90.

On flowers of *Euphorbia segetalis* or *E. broteri*.

Described from Spain by TSCHORSNIG (1991b:67).

Ramonda plorans Rondani

Recorded from Spain by HERTING (1969:218) (as *Wagneria schnabli* B. B.).

Ramonda prunicia Herting

Spain — Prov. Granada: Padul, 24. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87.

Swept from low vegetation. — Described from Spain by HERTING (1969:217).

Periscepsia carbonaria Panzer

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (2). — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87 (14), 28. V. 87 (4); 6–8 km N. of Villar de Ciervo, 15. IX. 86, 7. IV. 90 (12), 9. IV. 90 (9), 10. IV. 90 (15); Villar de Ciervo, Puente Quebrada, 6. IX. 86, 6. VII. 90; Villar de la Yegua, Vado de la Viña, 11. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (2), 11. IX. 84, 13. IX. 84 (3), 15. IX. 84, 17. IX. 84, 21. IX. 86; Saelices el Chico, 11. IX. 79; NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84. — Prov. Caceres: SW. of Guadalupe, 3. VI. 87 (2). — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (17); Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (3); 2 km S. of Dúdar, 23. V. 83 (3); Padul, 24. V. 83 (3).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84.

Most specimens were collected while they were running on large stones or on the ground, or they were swept from low vegetation. Only few specimens were swept from flowers of *Mentha pulegium* and *M. suaveolens*. A single male was caught during the night at a light source. — Recorded from Spain by STROBL (1906:345) (as *Scopolia carbonaria* Pz. var. *fuliginaria* Rond.), ARIAS (1912a:81) and HERTING (1969:217) (as *Wagneria nigrans* Meig.).

Periscepsia handlirschi Brauer & Bergenstamm

Spain — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (8); Padul, 24. V. 83.

Sitting on stones or on the bare ground, or swept from sparse low vegetation. — Recorded from Spain (Granada) by CZERNY & STROBL (1909:220).

Wagneria alpina Villeneuve

Recorded from Spain by HERTING (1969:217).

Wagneria costata Fallén

Spain — Prov. Caceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Wagneria cunctans Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 24. IV. 88; 6–8 km N. of Villar de Ciervo, 10. V. 83 (2), 13. V. 83 (8), 23. IV. 88 (6), 24. IV. 88 (9), 27. IV. 88 (24), 28. IV. 88 (10), 14. V. 88, 3. IV. 90 (21), 4. IV. 90 (7), 7. IV. 90 (21), 9. IV. 90 (6), 10. IV. 90 (9), 11. IV. 90 (8), 12. IV. 90 (2), 14. IV. 90 (4), 16. IV. 90 (5), 17. IV. 90; Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88 (2), 14. IV. 90 (3).

Running or sitting on large stones or visiting flowers (*Euphorbia segetalis*, *Euphorbia broteri*, *Thapsia villosa*). — Recorded from Spain by HERTING (1969:217). The record of *W. lacrimans* Rond. from Spain by CZERNY & STROBL (1909:220) probably refers to *W. cunctans*. STEIN (1924:122), who had seen the material, mentions the bristles on vein r_1 , these are often found on *W. cunctans* but not *lacrimans*.

Wagneria heterocera Robineau-Desvoidy

Described from Spain by ROBINEAU-DESVOIDY (1863:811) (as *Ocalea heterocera*), type revised by HERTING (1982:10).

Wagneria micronychia Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. IV. 88, 27. IV. 88, 28. IV. 88; Villar de Ciervo, Peña de la Campana, 17. V. 88. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 8. V. 88.

Running or sitting on large stones or visiting flowers (*Euphorbia* sp., *Thapsia villosa*). — Described from Spain by MESNIL (1944–1975:1289).

Kirbya moerens Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 3. IV. 90 (2).

On flowers of *Euphorbia broteri* or sitting on stones. — Recorded from Spain by CZERNY & STROBL (1909:226) and MESNIL (1944–1975:1285).

Athrycia trepida Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 11. V. 80 (2), 13. V. 80 (2), 14. V. 80, 7. VI. 83, 23. V. 87 (2), 24. V. 87 (8), 30. V. 87, 6. VI. 87 (2), 8. VI. 87, 22. VI. 87, 23. IV. 88 (5), 24. IV. 88 (4), 27. IV. 88 (11), 28. IV. 88 (13), 13. V. 88 (34), 14. V. 88 (13), 15. V. 88 (36), 20. V. 88 (25), 28. V. 89 (13), 29. V. 89 (25), 11. VI. 89 (4); Villar de Ciervo, Peña de la Campana, 16. V. 88 (10), 17. V. 88 (50), 19. V. 88 (40), 30. V. 89 (11); Villar de Ciervo, Puente Quebrada, 16. V. 88, 30. V. 89 (25), 10. VI. 89 (9), 12. VI. 89 (6); Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Badajoz: Los Santos de Maimona, 10. V. 80. — Prov. Caceres: Aldea del Cano, 10. V. 80; Casas de Don Antonio, 10. V. 80 (2); Castañar de Ibor, 1. VI. 87 (2); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (4), 7. VI. 89 (9), 8. VI. 89 (10); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (18). — Prov. Cordoba: Rio Guadabarbo between Espiel and Alcaracejos, 19. V. 83. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (3); Surroundings of Polopos, 2. V. 80 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88 (2); Sierra Morena, Desfiladero de Despeñaperros, 6. VI. 89 (2).

On flowers (*Thapsia villosa* and other Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Voria ruralis Fallén

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (3). — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79. — Prov. Gerona: Viladamat, 25. IX. 86 (8). — Prov.

Salamanca: NW. of La Fregeneda, 8. VI. 83 (4); Rio Agueda near Puerto Seguro, 27. V. 87, 28. V. 87; 6–8 km N. of Villar de Ciervo, 7. VI. 83 (2), 12. VI. 83 (2), 21. VI. 87 (2), 22. VI. 87 (3), 25. VI. 87, 16. VI. 90 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84 (2); Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Almería: Sierra de los Filabres, 4 km S. of Alhambra, 4. V. 88 (2); 5 km NW. of Sorbas, 5. V. 88. — Prov. Sevilla: El Garrobo, 10. V. 80 (2).
Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (3).

On flowers of Umbelliferae, only few specimens swept from low vegetation. — Recorded from Spain by STROBL (1899:213), CZERNY & STROBL (1909:220), CODINA (1914:161), ISENSEE et alii (1965:613) and HERTING (1969:218).

Cyrtophleba ruricola Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 23. IV. 88 (3), 24. IV. 88 (4), 27. IV. 88 (20), 28. IV. 88 (27), 14. V. 88, 15. V. 88 (2); Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88 (3), 19. V. 88 (4); Villar de Ciervo, Puente Quebrada, 21. VI. 90. — Prov. Cáceres: 2 km N. of Talayuela, 1. VI. 87. — Prov. Almería: Surroundings of Berja, 30. IV. 80. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 5. VI. 89; Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88 (3); Sierra de Segura, Rio Segura, 3. V. 88.

On flowers (*Euphorbia segetalis*, *Euphorbia* sp., *Thapsia villosa*) or sitting on big stones. — Recorded from Spain by CZERNY & STROBL (1909:220) and HERTING (1969:219).

Hyleorus nudinerva Villeneuve

Recorded from Spain by Villeneuve (1920b:200) (as *Plagia elata* Meig. var. *nudinerva* Vill.) and HERTING (1960:133) (as *Steiniomyia nudinerva* Vill.).

Hypovoria hilaris Villeneuve

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 30. V. 89.

On flowers of *Matricaria* sp. — First record for the Iberian Peninsula.

Plagiomima sinaica Villeneuve

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 30. V. 89, 21. VI. 90. — Prov. Cáceres: Casas de Don Antonio, 10. V. 80. — Prov. Granada: 2 km S. of Dúdar, 23. V. 83.

On flowers (*Matricaria* sp., *Thapsia villosa*) or swept from low vegetation. — Recorded from Spain by HERTING (1969:219) (as *Nanoplusia hilfi* Strobl).

Uclesia fumipennis Girschner

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 23. IV. 88 (2). — Prov. Burgos: 15 km NE. of Burgos, 20. V. 80.

On flowers of *Euphorbia* (*broteri* or *segetalis*) or sitting on bare ground. — Described from Spain by GIRSCHNER (1901:70).

Thelaira haematodes Meigen

Spain — Prov. Salamanca: Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90 (2).

On flowers of *Carum verticillatum*. — First record for the Iberian Peninsula.

Thelaira nigripes Fabricius

Spain — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89.

On flowers of *Euphorbia* sp. — Recorded from Spain by CODINA (1914:161) and ISENSEE et alii (1965:613).

Stomina caliendrata Kugler

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88 (3); Sierra de Segura, Rio Segura, 3. V. 88 (7).

On flowers (*Euphorbia* sp., *Foeniculum vulgare*). — Recorded from Spain by CZERNY & STROBL (1909:233) and ISENSEE et alii (1965:613). The record of CZERNY & STROBL may refer to another species of *Stomina*.

Stomina calvescens Herting

Spain — Prov. Teruel: Rio Guadalaviar, 3 km W. Albarracin, 27. VIII. 86 (2). — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86 (12); 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 25. VI. 87 (7); Villar de Ciervo, Puente Quebrada, 6. IX. 86; Villar de la Yegua, 7. VII. 90. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87. — Prov. Málaga: 18 km W. of Ronda, 27. V. 83 (7).

On flowers (*Foeniculum vulgare*, *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Ferula communis*, *Pastinaca sativa*, *Mentha* sp.). — Recorded from Spain (Zaragoza) by HERTING (1977:13).

The specimens from Ronda are somewhat larger than normal *S. calvescens* (body length approximately 9 mm) and their frons is somewhat broader, but I could not find any differences in the male genitalia.

Stomina iners Meigen

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (2), 3. VI. 83 (2); 10 km W. of Lagos, 3. VI. 83, 4. VI. 83, 11. VI. 87.

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*). — Described from Spain by MEIGEN (1838:209) (as *Clista iners*).

Stomina tachinoides Fallén

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 12. IX. 79.

On flowers (*Foeniculum vulgare*, *Mentha* sp.). — Recorded from Spain by PANDELLÉ (1896:169) (as *Morphomyia tachinoides* Fall.).

Rhamphina rectirostris Herting

Spain — Prov. Salamanca: Villar de Ciervo, Puente Quebrada, 24. VI. 90 (11), 25. VI. 90 (21), 30. VI. 90 (12), 4. VII. 90. — Prov. Almería: Surroundings of Berja, 30. IV. 80 (6); Sierra de los Filabres, 4 km S. of Albánchez, 4. V. 88 (7).

Sitting on bare ground or on stones, rarely visiting flowers (*Thymus mastichina*, *Ruta montana*, *Anarrhinum bellidifolium*). Most males were collected while they were waiting on the ground next to a single conspicuous large stone (approximately 5 m high). — Recorded from Spain by CZERNY & STROBL (1909:217) (as *Czernya longirostris* Strobl), ARIAS (1912a:136) (as *R. pedemontana* Meig.) and HERTING (1969:217, 1978:5) (as *R. longirostris* Strobl or *R. pedemontana* Meig.).

Dufouria nigrata Fallén

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 7. VI. 83 (2), 12. VI. 83, 27. IV. 88, 28. V. 89 (2), 29. V. 89, 11. VI. 89, 18. VI. 90 (2); Villar de Ciervo, Puente Quebrada, 30. V. 89. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cordoba: Rio Guadabarbo between Espiel and Alcaracejos, 19. V. 83. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83 (15); Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83; 2 km S. of Dúdar, 23. V. 83 (2). — Prov. Malaga: Serranía de Ronda, 15 km S. of Ronda, 27. V. 83. **Portugal** — Prov. Guarda: 4 km N. of Vilar Formoso, 15. V. 80, 13. V. 83, 11. VI. 83 (8), 26. V. 87.

Swept from low vegetation or visiting flowers (*Euphorbia* sp., *Thapsia villosa*, *Carum verticillatum* and other white Umbelliferae, Compositae). — Recorded from Spain by STROBL (1906:338), CZERNY & STROBL (1909:215) (as *Macquartia nigrata* Fall.) and HERTING (1969:219).

Rondania dispar Dufour

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83; Villar de Ciervo, Peña de la Campana, 16. V. 88, 19. V. 88 (4). — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83. — Prov. Huelva: 10 km N. of Torre de la Higuera, 31. V. 83 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83 (3).

Swept from low vegetation or visiting flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Rondania rubens Herting

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 30. V. 87; Villar de la Yegua, Vado de la Viña, 9. VI. 83. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Swept from undetermined white Umbelliferae. — Described from Spain by HERTING (1969:219). First record for Mallorca.

Pandelleia sexpunctata Pandellé

Recorded from Spain by HERTING (1969:220).

Microsoma exigua Meigen

Spain — Prov. Caceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87.

On flowers of *Thapsia villosa*. — Recorded from Spain by CZERNY & STROBL (1906:340) (as *Syntomogaster delicatus* Mg.) and from Spain and Portugal by AESCHLIMANN (1990:152).

Freraea gagatea Robineau-Desvoidy

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87.

Swept from undetermined white Umbelliferae. — First record for the Iberian Peninsula.

2.4. Phasiinae

Heliozeta belluo Fabricius

Spain — Prov. Jaén: Rio Viboras, S. of Martos, 21. V. 83; Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87, 9. V. 88 (3), 4. VI. 89; 3 km SW. of Valdecazorla, 6.

VI. 89 (3). — Prov. Malaga: 30 km NE. of Ronda, 25. V. 83; 18 km W. of Ronda, 27. V. 83. — Mallorca: Surroundings of Artá, 25. V. 85 (2).

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (4), 3. VI. 83 (6); 10 km W. of Lagos, 3. VI. 83 (3), 4. VI. 83 (7), 11. VI. 87.

On flowers (Umbelliferae, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:223) (as *Clytiomyia belluo* Fbr. and *C. sejuncta* Rond.). First record for Mallorca.

Heliozeta pellucens Fallén

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 22. VI. 87 (2), 24. VI. 87, 15. V. 88, 20. V. 88 (2), 11. VI. 89, 16. VI. 90; Villar de Ciervo, Puente Quebrada, 16. V. 88 (2), 30. V. 89 (2), 10. VI. 89 (2), 12. VI. 89, 20. VI. 90, 21. VI. 90 (2).

On flowers (Umbelliferae, *Euphorbia* sp., Compositae). — Recorded from Spain by HERTING (1969:220).

Clytiomyia continua Panzer

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Granada: Sierra Nevada, Rio Monachil near Prado Llano, 2100 m, 18. VI. 87.

On flowers (*Foeniculum vulgare*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:223), ARIAS (1912a:87) and CODINA (1912:96).

Clytiomyia dupuisi Kugler

Spain — Prov. Malaga: NW. of Ronda, 27. V. 83.

On flowers of *Thapsia villosa*. — First record for the Iberian Peninsula.

Clytiomyia mesnili Kugler

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 21. VI. 87 (3), 22. VI. 87 (3), 25. VI. 87 (5), 29. V. 89 (2), 15. VI. 90, 16. VI. 90 (19), 17. VI. 90, 18. VI. 90 (13), 23. VI. 90 (6); Villar de Ciervo, Peña de la Campana, 17. V. 88; Villar de Ciervo, Puente Quebrada, 30. V. 89, 20. VI. 90, 21. VI. 90 (2). — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2). — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83 (3). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (3), 4. VI. 89 (8).

On flowers (*Thapsia villosa*, *Carum verticillatum*, *Elaeoselinum gummiferum* and other Umbelliferae) or swept from low vegetation. — Recorded from Spain by HERTING (1969:220).

Clytiomyia sola Rondani

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79; 6–8 km N. of Villar de Ciervo, 21. VI. 87 (2), 22. VI. 87 (2), 24. VI. 87, 25. VI. 87, 11. VI. 89, 15. VI. 90 (2), 16. VI. 90 (8), 17. VI. 90 (4), 18. VI. 90 (9), 22. VI. 90 (2), 23. VI. 90, 30. VI. 90 (4), 1. VII. 90 (4), 5. VII. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86 (2), 14. IX. 86 (2), 30. V. 89, 10. VI. 89, 20. VI. 90 (2), 21. VI. 90; Villar de la Yegua, 11. VII. 90; Villar de la Yegua, Vado de la Viña, 10. VII. 90 (3); Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84; Sierra de Gata, 2–6 km S. of Villasrubias, 23. VI. 82; 7 km NW. of Béjar, 16. IX. 84. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (13), 7. VI. 89 (8), 8. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (6), 28. VI. 90 (2); 6 km SE. of Guadalupe, 8. VI. 89. — Prov. Granada: Sierra Nevada, 2 km W. of

Güéjar Sierra, 1000 m, 23. V. 83; Rio Alcolea, W. of Ugijar, 6. V. 88. — Prov. Jaén: Sierra de Segura, Rio Zumeta, 3. V. 88. — Prov. Malaga: NW. of Ronda, 27. V. 83. — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (6), 3. VI. 83; 3 km N. of Lagos, 19. VI. 82 (4), 20. VI. 82 (4); 10 km W. of Lagos, 3. VI. 83 (6), 4. VI. 83 (8), 6. VI. 83, 11. VI. 87 (2).

On flowers (various Umbelliferae, *Mentha* sp., *Euphorbia* sp., Compositae). — Recorded from Spain by PANDELLÉ (1894:92) (as *Phasia cana* Meig.).

Ectophasia crassipennis Fabricius

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (5); 5 km SW. of Padrón, 9. IX. 86 (11). — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 20. V. 88 (2), 15. VI. 90, 16. VI. 90 (3), 18. VI. 90 (2), 22. VI. 90, 23. VI. 90 (2), 30. VI. 90, 1. VII. 90 (2); Villar de Ciervo, Puente Rieta, 10. IX. 79; Villar de la Yegua, Vado de la Viña, 10. IX. 84; Aldea del Obispo, Prado Caño, 4. VII. 90 (2), 11. VII. 90 (2); Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84; Saelices el Chico, 12. IX. 79; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90 (10). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (10), 8. VI. 89 (3).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. — Prov. Setúbal: 3 km S. of Grandola, 18. VI. 82. — Prov. Faro: 10 km W. of Lagos, 11. VI. 87.

On flowers (various Umbelliferae, *Mentha* sp.). — Recorded from Spain by STROBL (1906:340), CZERNY & STROBL (1909:223), ARIAS (1912a:89), CODINA (1915:10) and ISENSEE et alii (1965:613) and from Portugal by CORTI (1903:1076). The older records may refer to *E. oblonga* R. D. or *E. leucoptera* Rond.

Ectophasia leucoptera Rondani

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 23. V. 87, 22. VI. 87 (2), 25. VI. 87, 18. VI. 90 (2), 23. VI. 90, 1. VII. 90; Villar de Ciervo, Puente Quebrada, 16. V. 88; Aldea del Obispo, Prado Caño, 11. VII. 90 (2). — Prov. Cáceres: Castañar de Ibor, 1. VI. 87 (3); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (2), 7. VI. 89, 8. VI. 89 (2); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (19). — Prov. Almería: Rio Andarraz near Fondón, 1. V. 80.

On flowers (*Thapsia villosa*, *Carum verticillatum*, *Elaeoselinum gummiferum* and other Umbelliferae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Ectophasia oblonga Robineau-Desvoidy

Spain — Prov. Vitoria: SW. of Vitoria, 20. V. 80 (4). — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (3); Rio Agueda near Puerto Seguro, 27. V. 87, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 23. V. 87, 6. VI. 87, 21. VI. 87 (9), 22. VI. 87 (5), 25. VI. 87 (4), 20. V. 88, 28. V. 89, 11. VI. 89, 15. VI. 90 (2), 16. VI. 90 (6), 17. VI. 90, 18. VI. 90 (5), 22. VI. 90 (2), 23. VI. 90 (2), 1. VII. 90 (2); Villar de Ciervo, Puente Rieta, 10. IX. 79, 12. IX. 79 (2); Villar de Ciervo, Peña de la Campana, 3. VII. 90; Villar de Ciervo, Puente Quebrada, 6. IX. 86, 14. IX. 86, 30. V. 89 (6), 10. VI. 89 (5), 20. VI. 90; Villar de la Yegua, 7. VII. 90 (2); Aldea del Obispo, Prado Caño, 4. VII. 90 (6), 5. VII. 90 (2), 11. VII. 90 (5), 13. VII. 90 (3); S. of Castillejo de Martin Viejo, 7. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84, 13. IX. 84 (2), 15. IX. 84, 17. IX. 84 (2), 18. IX. 84 (5), 16. IX. 86, 17. IX. 86 (6), 18. IX. 86; Saelices el Chico, 11. IX. 79; Rivera de Azaba near Carpio de Azaba, 12. IX. 84; Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Prov. Malaga: NW. of Ronda, 27. V. 83 (9); 18 km W. of Ronda, 27. V. 83. — Prov. Sevilla: El

Garrobo, 10. V. 80. — Mallorca: La Albufera, 18. V. 85, 25. V. 85 (2); Surroundings of Artá, 20. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (7), 3. VI. 83; 3 km N. of Lagos, 19. VI. 82 (7), 20. VI. 82 (16); 10 km W. of Lagos, 3. VI. 83 (4), 4. VI. 83, 11. VI. 87.

On flowers (various Umbelliferae, *Mentha* sp.) — Recorded from Spain by HERTING (1969:220). First record for Mallorca.

Gymnosoma clavata Rohdendorf

Spain — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (5); Rio Agueda near Puerto Seguro, 27. V. 87 (2); 6–8 km N. of Villar de Ciervo, 6. VI. 82, 12. VI. 82 (2), 24. VI. 82, 7. VI. 83, 24. V. 87 (2), 6. VI. 87, 21. VI. 87 (25), 22. VI. 87 (6), 24. VI. 87 (23), 25. VI. 87 (6), 23. IV. 88 (2), 27. IV. 88, 28. IV. 88, 13. V. 88, 14. V. 88, 15. V. 88 (4), 20. V. 88 (11), 28. V. 89, 29. V. 89, 13. VI. 89 (2), 10. IV. 90, 11. IV. 90, 15. VI. 90 (33), 16. VI. 90 (104), 17. VI. 90 (43), 18. VI. 90 (180), 22. VI. 90 (53), 23. VI. 90 (94), 30. VI. 90 (95), 1. VII. 90 (80), 5. VII. 90 (36); Villar de Ciervo, Puente Rieta, 12. IX. 79; Villar de Ciervo, Peña de la Campana, 17. V. 88 (3), 2. VII. 90 (6), 3. VII. 90 (3), 4. VII. 90, 6. VII. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 30. V. 89 (2), 12. VI. 89, 20. VI. 90 (11), 21. VI. 90 (3), 2. VII. 90; Villar de la Yegua, 7. VII. 90; Villar de la Yegua, Vado de la Viña, 14. VI. 89 (6), 9. VII. 90 (3), 10. VII. 90 (6); Aldea del Obispo, Prado Caño, 4. VII. 90, 5. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84; Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villastrubias, 27. VI. 90. — Prov. Badajoz: Los Santos de Maimona, 10. V. 80. — Prov. Cáceres: El Campillo, 4. VI. 87 (3); Castañar de Ibor, 1. VI. 87 (5); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (3), 7. VI. 89 (4), 8. VI. 89 (3); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (8), 28. VI. 90. — Prov. Cadiz: 2 km S. of Sotogrande, 28. V. 83. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83; Rio Guadalfeo, S. of Orgiva, 24. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 9. V. 88; Sierra de Segura, Rio Segura, 3. V. 88; 3 km SW. of Valdecazorla, 6. VI. 89; Sierra Morena, Desfiladero de Despeñaperros, 6. VI. 89. — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80; El Garrobo, 10. V. 80. — Mallorca: La Albufera, 18. V. 85; Surroundings of Artá, 20. V. 85, 25. V. 85 (3).

On flowers (various Umbelliferae, *Euphorbia* sp., *Mentha* sp., Compositae). — Recorded from Spain by HERTING (1969:220) (as *G. verbekei* Mesn.). First record for Mallorca.

Gymnosoma dolycoridis Dupuis

Spain — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 15. VI. 90, 22. VI. 90, 23. VI. 90, 1. VII. 90, 5. VII. 90 (2); Villar de Ciervo, Puente Rieta, 28. VIII. 79, 10. IX. 79, 12. IX. 79 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84 (8); Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (4), 11. IX. 84 (2), 14. IX. 84 (4), 15. IX. 84 (8); Saelices el Chico, 11. IX. 79; Rivera de Azaba near Carpio de Azaba, 12. IX. 84. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87. — Mallorca: Surroundings of Artá, 20. V. 85 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. — Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83; 3 km N. of Lagos, 19. VI. 82 (3); 10 km W. of Lagos, 11. VI. 87 (3).

On flowers (*Foeniculum vulgare*, *Mentha* sp., *Elaeoselinum gummiferum*, *Carum verticillatum*, *Thapsia villosa*, *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Gymnosoma inornata Zimin

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86. — Prov. Lérida: 2 km S. of

Oliana, 25. VIII. 86 (7). — Prov. Salamanca: Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84, 15. IX. 84 (3), 17. IX. 84, 18. IX. 84.

On flowers (*Foeniculum vulgare*, *Mentha* sp., *Pastinaca sativa*, *Origanum* sp., undetermined white Umbelliferae). — Recorded from Spain by HERTING (1969:221).

Gymnosoma nitens Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. IV. 88, 16. VI. 90 (7), 18. VI. 90, 5. VII. 90. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90.

On flowers (*Carum verticillatum*, *Elaeoselinum gummiferum*, *Euphorbia segetalis*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:222) and HERTING (1969:221).

Gymnosoma nudifrons Herting

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 22. VI. 87, 25. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87. — Prov. Malaga: Surroundings of Antequera, 25. V. 83.

On flowers (*Carum verticillatum*, *Elaeoselinum gummiferum*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Gymnosoma rotundata Linnaeus

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. San Sebastian: 8 km SW. of Tolosa, 15. IX. 79. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79 (2); 6–8 km N. of Villar de Ciervo, 23. VI. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86; Villar de la Yegua, Vado de la Viña, 9. VI. 83; Rio Agueda near Castillejo de Martin Viejo, 15. IX. 84; Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (3); Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90 (3); Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90 (2). — Prov. Caceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (7), 16. VI. 87 (8), 4. VI. 89, 5. VI. 89 (8); Sierra de Segura, Rio Segura, 3. V. 88.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84. — Prov. Faro: 10 km W. of Lagos, 4. VI. 83.

On flowers (Umbelliferae, *Euphorbia* sp., *Mentha* sp.). — Recorded from Spain by PANDELLÉ (1894:81), STROBL (1906:340), CZERNY & STROBL (1909:222), CODINA (1912:99), CAÑIZO (1938:23), ALFARO MORENO (1956:30) and HERTING (1969:220) and from Spain including Mallorca by ARIAS (1912a:147). The older records may refer to another species of *Gymnosoma*.

Gymnosoma rungsi Mesnil

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87, 25. VI. 87; Villar de la Yegua, Vado de la Viña, 10. IX. 84. — Prov. Jaén: Rio Viboras, S. of Martos, 21. V. 83; Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (5); Sierra de Segura, Rio Zumeta, 3. V. 88. — Prov. Malaga: NW. of Ronda, 27. V. 83. — Mallorca: Surroundings of Artá, 20. V. 85.

Portugal — Prov. Faro: 10 km W. of Lagos, 3. VI. 83 (6), 4. VI. 83, 6. VI. 83.

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*, *Carum verticillatum* and other Umbelliferae, *Mentha* sp., *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Cistogaster globosa Fabricius

Recorded from Spain by PANDELLÉ (1894:82). This record is doubtful, possibly referring to the following species.

Cistogaster mesnili Zimin

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87 (12), 22. VI. 87 (24), 24. VI. 87 (2), 25. VI. 87 (15), 28. V. 89 (2), 29. V. 89 (3), 15. VI. 90 (7), 16. VI. 90 (18), 17. VI. 90 (4), 18. VI. 90 (11), 22. VI. 90 (2), 23. VI. 90 (11), 30. VI. 90 (8), 1. VII. 90 (10), 5. VII. 90; Villar de Ciervo, Peña de la Campana, 30. V. 89 (2); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (2), 14. IX. 86 (2), 10. VI. 89, 20. VI. 90 (3), 21. VI. 90, 2. VII. 90; Villar de la Yegua, Vado de la Viña, 9. VII. 90; Río Agueda near Castillejo de Martín Viejo, 11. IX. 84, 18. IX. 84, 16. IX. 86, 17. IX. 86. — Prov. Badajoz: Río Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86.

On flowers (*Thapsia villosa*, *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Carum verticillatum*, *Foeniculum vulgare* and other Umbelliferae, *Mentha* sp., *Matricaria* sp.). — First record for the Iberian Peninsula.

Females of this species are easily separable from *C. globosa* by the characters of their postabdomen. I could not find reliable features to separate the males, the characters given by ZIMIN (1966) are not useful in this respect. All the females I collected belong to *C. mesnili*. I have therefore assumed that all the males belong to this species.

Opesia cana Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 20. V. 88 (3).

On flowers of *Carum verticillatum*. — Recorded from Spain by ARIAS (1912b:389) (as *Xysta cana* Meig.).

Elomyia lateralis Meigen

Spain — Prov. Vitoria: SW. of Vitoria, 20. V. 80. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. VI. 82; Villar de Ciervo, Puente Quebrada, 30. V. 89 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84; Aldea del Obispo, Prado Caño, 4. VII. 90 (2), 5. VII. 90 (3), 13. VII. 90; Río Agueda near Castillejo de Martín Viejo, 9. IX. 84. — Prov. Málaga: NW. of Ronda, 27. V. 83.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (2); 3 km N. of Lagos, 19. VI. 82 (4).

On flowers (*Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Thapsia villosa* and other Umbelliferae, *Mentha* sp., *Matricaria* sp.). — First record for the Iberian Peninsula.

Phasia barbifrons Girschner

Spain — Prov. La Coruña: 5 km SW. of Padrón, 9. IX. 86 (2). — Prov. San Sebastián: 8 km SW. of Tolosa, 15. IX. 79.

On flowers of undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Phasia hemiptera Fabricius

Recorded from Spain by GIRSCHNER (1887:391). This record needs to be confirmed, it is without locality or collector.

Phasia obesa Fabricius

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (4); 5 km SW. of Padrón, 9. IX. 86 (2). — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83, 30. V. 87 (2), 21. VI. 87 (10), 22. VI. 87 (8), 25. VI. 87, 20. V. 88 (2), 16. VI. 90, 17. VI. 90, 30. VI. 90, 5. VII. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89 (2), 10. VI. 89 (18), 12. VI. 89 (6). — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (7); 6 km SE. of Guadalupe, 8. VI. 89 (2). — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87, 9. V. 88.

On flowers of various Umbelliferae. — Recorded from Spain by CZERNY & STROBL (1909:223).

Phasia subcoleoptrata Linnaeus

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 23. IV. 88, 27. IV. 88 (3), 28. IV. 88 (2), 3. IV. 90, 10. IV. 90, 11. IV. 90 (4), 16. IV. 90 (2).

On flowers (*Euphorbia broteri*, *E. segetalis*, undetermined white Umbelliferae). — Recorded from Mallorca by GIRSCHNER (1887:419) and YERBURY (1901:273). First record for the Iberian Peninsula.

Phasia pandellei Dupuis

Spain — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Salamanca: NW. of La Frege-neda, 8. VI. 83 (3); 6–8 km N. of Villar de Ciervo, 7. VI. 83 (21), 12. VI. 83 (5), 21. VI. 87 (4), 22. VI. 87 (3), 25. VI. 87 (2), 15. V. 88, 13. VI. 89; Villar de Ciervo, Peña de la Campana, 16. V. 88, 17. V. 88, 19. V. 88 (2), 4. VII. 90; Villar de Ciervo, Puente Quebrada, 16. V. 88, 30. V. 89 (30), 10. VI. 89 (47), 12. VI. 89 (26), 20. VI. 90, 2. VII. 90 (2); Villar de la Yegua, Vado de la Viña, 14. VI. 89 (5); Aldea del Obispo, Prado Caño, 11. VII. 90. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (3). — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 11. VI. 83.

On flowers of various Umbelliferae and Compositae or swept from low vegetation. — First record for the Iberian Peninsula.

Phasia pusilla Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86; 5 km SW. of Padrón, 9. IX. 86 (5). — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 6. VI. 82, 12. VI. 83 (6), 30. V. 87, 21. VI. 87 (40), 22. VI. 87 (4), 24. VI. 87, 25. VI. 87 (5), 23. IV. 88, 24. IV. 88, 20. V. 88 (5), 28. V. 89 (3), 29. V. 89, 11. VI. 89 (23), 13. VI. 89 (10), 15. VI. 90 (5), 16. VI. 90 (112), 17. VI. 90 (3), 18. VI. 90 (20), 22. VI. 90, 23. VI. 90 (29), 30. VI. 90 (3), 1. VII. 90 (5), 5. VII. 90 (4); Villar de Ciervo, Puente Rieta, 12. IX. 79 (2); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (36), 6. IX. 86 (17), 14. IX. 86 (9), 30. V. 89 (14), 10. VI. 89 (91), 12. VI. 89 (29), 20. VI. 90 (4), 21. VI. 90 (3), 2. VII. 90; Villar de la Yegua, 11. VII. 90; Villar de la Yegua, Vado de la Viña, 10. IX. 84 (12), 14. VI. 89 (22), 7. VII. 90 (12); Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (2), 11. IX. 84 (2), 15. IX. 84 (3), 17. IX. 84 (2), 18. IX. 84 (2), 17. IX. 86 (10), 18. IX. 86 (5); Saclices el Chico, 11. IX. 79 (9); NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84 (3); Rivera de Azaba near Carpio de Azaba, 11. IX. 79, 12. IX. 84 (8). — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (4); Los Santos de Maimona, 10.

V. 80. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89 (3), 8. VI. 89; Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (2); 6 km SE. of Guadalupe, 8. VI. 89 (2). — Prov. Almería: 5 km NW. of Sorbas, 5. V. 88 (3). — Prov. Granada: Río Guadalfeo, S. of Orgiva, 24. V. 83 (2); Río Alcolea, W. of Ugijar, 6. V. 88 (11). — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87, 3. VI. 89, 4. VI. 89, 5. VI. 89. — Prov. Málaga: 30 km NE. of Ronda, 25. V. 83 (3); 5 km NW. of San Pedro, 5. V. 80. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85; La Albufera, 18. V. 85 (2), 22. V. 85; Surroundings of Artá, 25. V. 85.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86; 4 km N. of Vilar Formoso, 11. VI. 83 (3), 8. IX. 84 (16). — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (5); 3 km N. of Lagos, 19. VI. 82; 10 km W. of Lagos, 11. VI. 87 (3).

On various flowers (Umbelliferae, Compositae, *Euphorbia* sp., *Mentha* sp., *Daphne gnidium*). — Recorded from Spain by STROBL (1899:217, 1906:340), CZERNY & STROBL (1909:223) and HERTING (1969:221) and from Spain and Portugal by ARIAS (1912a:143). The older records may refer to another species of the subgenus *Hylemyia*. First record for Mallorca.

Phasia theodori Draber-Monko

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Salamanca: Río Agueda near Puerto Seguro, 27. V. 87, 28. V. 87; 6–8 km N. of Villar de Ciervo, 7. VI. 83, 21. VI. 87 (2); Villar de Ciervo, Puente Rieta, 28. VIII. 79, 12. IX. 79; Villar de Ciervo, Puente Quebrada, 2. IX. 86 (3), 6. IX. 86 (2), 30. V. 89 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84; Río Agueda near Castillejo de Martín Viejo, 11. IX. 84 (4), 14. IX. 84, 15. IX. 84, 18. IX. 84, 17. IX. 86 (14). — Prov. Zamora: Sierra de la Culebra near Ferreras de Abajo, 8. IX. 86. — Prov. Málaga: 30 km NE. of Ronda, 25. V. 83. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85 (3); La Albufera, 22. V. 85; Surroundings of Artá, 20. V. 85, 25. V. 85.

Portugal — Prov. Guarda: Figueira de Castelo Rodrigo, Marofa, 3. IX. 86. — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83; 3 km N. of Lagos, 19. VI. 82, 20. VI. 82.

On flowers (*Foeniculum vulgare*, *Elaeoselinum gummiferum*, *Carum verticillatum* and other Umbelliferae, *Matricaria* sp., *Mentha* sp., *Erica* sp.). — First record for the Iberian Peninsula and Mallorca.

Phasia truncata Herting

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 16. VI. 90 (2), 18. VI. 90; Villar de Ciervo, Puente Quebrada, 20. VI. 90. — Prov. Huelva: 5 km NW. of Mazagón, 30. V. 83 (29); Surroundings of Mazagón, 13. VI. 87.

Swept from low vegetation between *Phragmites* sp. and *Typha* sp. or swept from flowers (*Carum verticillatum*, *Matricaria* sp.). — Described from Spain by HERTING (1983b:7).

Phasia venturii Draber-Monko

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87 (8), 22. VI. 87 (10), 25. VI. 87 (5), 15. VI. 90, 16. VI. 90 (31), 17. VI. 90 (2), 18. VI. 90 (5), 22. VI. 90 (2), 23. VI. 90 (21), 1. VII. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89, 20. VI. 90 (12), 21. VI. 90, 2. VII. 90 (3); Villar de la Yegua, Vado de la Viña, 14. VI. 89, 7. VII. 90 (5); Aldea del Obispo, Prado Caño, 5. VII. 90. — Prov. Badajoz: Río Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89 (2).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (2). — Prov. Faro: 10 km W. of Lagos, 11. VI. 87 (3).

On flowers (*Carum verticillatum*, *Elaeoselinum gummiferum* and other Umbelliferae, *Matricaria* sp., *Mentha pulegium*, *M. suaveolens*, *Thymus mastichina*, *Euphorbia* sp.). Additional characters to the description given by DRABER-MONKO (1965:101) are as follows. There is a conspicuous contrast between the dense hair-cover of abdominal tergites 2 and 3 and the sparse hairs on tergites 4 and 5. Tergites 4 and 5 are dorsally slightly concave when seen in lateral view. — First record for the Iberian Peninsula.

Xysta holosericea Fabricius

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83 (2); 6–8 km N. of Villar de Ciervo, 6. VI. 82, 24. VI. 82 (7), 6. VI. 87, 21. VI. 87 (17), 22. VI. 87 (14), 24. VI. 87 (12), 25. VI. 87 (33), 28. IV. 88, 15. V. 88, 20. V. 88 (2), 29. V. 89 (2), 12. IV. 90, 15. VI. 90 (10), 16. VI. 90 (9), 17. VI. 90 (2), 18. VI. 90 (3), 22. VI. 90 (3), 23. VI. 90 (3), 30. VI. 90 (7), 1. VII. 90 (2); Villar de Ciervo, Peña de la Campana, 19. V. 88, 3. VII. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89; Villar de la Yegua, 9. VII. 90; Aldea del Obispo, Prado Caño, 4. VII. 90, 5. VII. 90 (2), 11. VII. 90 (2). — Prov. Almería: Río Andarax near Fondón, 1. V. 80 (3). — Prov. Cadiz: 2 km S. of Sotogrande, 28. V. 83. — Prov. Malaga: NW. of Ronda, 27. V. 83. — Mallorca: La Albufera, 18. V. 85 (2), 22. V. 85.

Portugal — Prov. Faro: 3 km N. of Lagos, 20. VI. 82.

On flowers (*Elaeoselinum gummiferum*, *Carum verticillatum*, *Magyaris panacifolia*, *Thapsia villosa* and other Umbelliferae, *Euphorbia broteri*, *Euphorbia* sp.). — Recorded from Spain by ARIAS (1912a:110). First record for Mallorca.

Catharosia albisquama Villeneuve

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 15. IX. 86 (5), 25. VI. 87 (2); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (3), 6. IX. 86 (3), 14. IX. 86 (44), 19. IX. 86 (4); Villar de la Yegua, Vado de la Viña, 10. IX. 84; Río Agueda near Castillejo de Martín Viejo, 17. IX. 86 (3). — Prov. Granada: Río Guadalfeo, S. of Orgiva, 24. V. 83. — Prov. Malaga: 5 km W. of San Pedro, 26. V. 83 (16).

Swept from flowers (*Thapsia villosa*, *Elaeoselinum gummiferum*, *Daphne gni-dium*, *Foeniculum vulgare*, *Mentha pulegium*, *M. suaveolens*) or from arid grassland. — First record for the Iberian Peninsula.

Catharosia flavicornis Zetterstedt

Spain — Mallorca: La Albufera, 25. V. 85.

Swept from flowers of *Daucus carota*. — First record for Mallorca.

Catharosia pygmaea Fallén

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (4). — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Río Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 15. V. 88 (2), 20. V. 88, 28. V. 89; Villar de Ciervo, Peña de la Campana, 17. V. 88; Villar de Ciervo, Puente Quebrada, 10. VI. 89; Río Agueda near Castillejo de Martín Viejo, 9. IX. 84, 14. IX. 84 (2), 16. IX. 86 (2), 17. IX. 86 (3), 18. IX. 86.

Swept from flowers (*Foeniculum vulgare*, *Thapsia villosa*, undetermined white Umbelliferae, *Mentha* sp.). A male and a female were observed copulating on a large stone. — Recorded from Spain by CZERNY & STROBL (1906:340) (as *C. nigrisquama* Zett.).

Strongygaster celer Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 11. V. 80 (2), 14. V. 80, 23. V. 87 (2), 27. V. 87, 30. V. 87 (3), 15. V. 88 (3), 20. V. 88 (16); Villar de Ciervo, Peña de la Campana, 17. V. 88; Villar de Ciervo, Puente Quebrada, 30. V. 89 (3). — Prov. Ciudad Real: Rio Tirteafuera, W. of Abenójar, 6. VI. 89. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87; Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (10).

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 26. V. 87.

On flowers (*Carum verticillatum*, *Thapsia villosa*, undetermined white Umbelliferae, *Euphorbia segetalis*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Dionaea aurifrons Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87 (3); Villar de la Yegua, Vado de la Viña, 14. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90. — Prov. Almería: Surroundings of Berja, 30. IV. 80; Sierra de los Filabres, 4 km S. of Albánchez, 4. V. 88; 5 km NW. of Sorbas, 5. V. 88 (3). — Prov. Cadiz: 2 km S. of Sotogrande, 28. V. 83. — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83; Rio Guadalfeo, S. of Orgiva, 2. V. 80; Rio Alcolea, W. of Ugijar, 6. V. 88. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 4. VI. 89, 5. VI. 89 (2). — Prov. Malaga: 30 km NE. of Ronda, 25. V. 83. — Mallorca: La Albufera, 18. V. 85.

On flowers (*Euphorbia* sp., *Ferula communis*, *Thapsia villosa*, *Daucus carota* and other Umbelliferae). — Recorded from Spain by STEIN (1924:246). First record for Mallorca.

Eulabidogaster setifacies Rondani

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; 6–8 km N. of Villar de Ciervo, 15. VI. 90 (2), 30. VI. 90 (2); Villar de Ciervo, Puente Quebrada, 10. VI. 89. — Prov. Badajoz: 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Prov. Malaga: NW. of Ronda, 27. V. 83. — Mallorca: La Albufera, 25. V. 85; Surroundings of Artá, 20. V. 85.

Portugal — Prov. Faro: Bensafrim, 18. VI. 82; 3 km N. of Lagos, 19. VI. 82 (2), 20. VI. 82; 10 km W. of Lagos, 11. VI. 87.

On flowers (*Elaeoselinum gummiferum*, *Thapsia villosa*, *Ferula communis*, *Carum verticillatum*, *Daucus carota*, *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Leucostoma abbreviata Herting

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 12. VI. 83, 21. VI. 87; Villar de Ciervo, Puente Quebrada, 12. VI. 89. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87.

On flowers (*Carum verticillatum*, *Thapsia villosa*) or swept from low vegetation. — First record for the Iberian Peninsula.

Leucostoma anthracina Meigen

Spain — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89 (2).

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83.

On flowers (*Pastinaca sativa*, *Thapsia villosa*, *Elaeoselinum gummiferum*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Leucostoma crassa Kugler

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79; 6–8 km N. of Villar de Ciervo, 20. V. 88, 15. VI. 90 (2), 16. VI. 90 (4), 17. VI. 90, 22. VI. 90, 23. VI. 90, 1. VII. 90; Villar de Ciervo, Puente Quebrada, 10. VI. 89 (2); Villar de la Yegua, Vado de la Viña, 10. IX. 84 (8); Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84, 11. IX. 84 (4), 14. IX. 84 (2), 17. IX. 84, 18. IX. 84 (2), 26. VI. 90. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87. — Mallorca: La Albufera, 22. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (4). — Prov. Faro: Ben-safrim, 19. VI. 82; 10 km W. of Lagos, 4. VI. 83.

On flowers (*Mentha pulegium*, *M. suaveolens*, *Thapsia villosa*, *Carum verticillatum*, *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Euphorbia* sp.). — First record for the Iberian Peninsula and Mallorca.

Leucostoma meridiana Rondani

Spain — Prov. La Coruña: Piadela, 10. IX. 86; 5 km SW. of Padrón, 9. IX. 86.

Swept from undetermined white Umbelliferae. — First record for the Iberian Peninsula.

Leucostoma nudifacies Tschorsnig

Spain — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Granada: Sierra Nevada, 5 km SE. of Pinos Genil, 1000 m, 22. V. 83.

On flowers of *Thapsia villosa* or swept from low vegetation. — Described from Spain by TSCHORSNIG (1991a:2).

Leucostoma semibarbata Tschorsnig

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. V. 87; 6–8 km N. of Villar de Ciervo, 6. VI. 82 (2), 12. VI. 82, 30. V. 87, 21. VI. 87 (3), 22. VI. 87 (5), 25. VI. 87 (3), 13. V. 88, 14. V. 88 (3), 20. V. 88, 29. V. 89, 11. VI. 89, 15. VI. 90 (23), 16. VI. 90 (3), 17. VI. 90 (17), 18. VI. 90 (17), 22. VI. 90 (10), 23. VI. 90 (7), 30. VI. 90 (14), 1. VII. 90 (6), 5. VII. 90; Villar de Ciervo, Peña de la Campana, 19. V. 88 (3), 2. VII. 90; Villar de Ciervo, Puente Quebrada, 10. VI. 89 (2), 12. VI. 89, 20. VI. 90; Villar de la Yegua, Vado de la Viña, 7. VII. 90, 9. VII. 90, 10. VII. 90 (2); Aldea del Obispo, Prado Caño, 5. VII. 90, 11. VII. 90 (2); Rio Agueda near Castillejo de Martin Viejo, 26. VI. 90; Rio Agueda near Herguijuela de Ciudad Rodrigo, 29. VI. 90; Sierra de Gata, Rio Agueda, 5 km N. of El Payo, 27. VI. 90. — Prov. Caceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 28. VI. 90. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87. — Prov. Malaga: 5 km W. of San Pedro, 26. V. 83.

On flowers (*Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Carum verticillatum*, *Daucus carota*, *Heracleum sphondylium* and other white Umbelliferae, *Thapsia villosa*, *Thymus mastichina*, *Euphorbia segetalis*, *Euphorbia* sp., Compositae). — Described from Spain by TSCHORSNIG (1991a:4).

Leucostoma simplex Fallén

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (2). — Prov. Gerona: Viladamat, 25. IX. 86. — Prov. Granada: 2 km S. of Dúdar, 23. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87 (3).

Swept from low vegetation or visiting flowers (*Foeniculum vulgare*, *Euphorbia* sp.). — Recorded from Spain by CZERNY & STROBL (1909:222). "*L. atterimum* Villers" recorded from Spain by CZERNY & STROBL (1909:222) and from Mallorca by ARIAS (1912a:74) probably refers to another species.

Leucostoma tetraptera Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 21. VI. 87 (2), 22. VI. 87, 16. VI. 90, 30. VI. 90; Villar de Ciervo, Puente Rieta, 12. IX. 79; Villar de Ciervo, Peña de la Campana, 2. VII. 90; Villar de Ciervo, Puente Quebrada, 6. IX. 86 (2), 10. VI. 89 (3), 20. VI. 90; Villar de la Yegua, Vado de la Viña, 10. IX. 84 (13), 10. VII. 90; Aldea del Obispo, Prado Caño, 13. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (2), 11. IX. 84 (2), 13. IX. 84, 14. IX. 84 (2), 15. IX. 84 (5), 18. IX. 84 (2); Rivera de Azaba near Carpio de Azaba, 11. IX. 79. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (12).

On flowers (*Mentha pulegium*, *M. suaveolens*, *Carum verticillatum*, *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Foeniculum vulgare*, *Thapsia villosa*, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Leucostoma turonica Dupuis

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2), 16. VI. 87 (6); Sierra de Segura, Rio Zumeta, 3. V. 88.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Clairvillia biguttata Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87 (2); 6–8 km N. of Villar de Ciervo, 24. VI. 82, 30. VI. 90, 1. VII. 90; Villar de Ciervo, Puente Rieta, 10. IX. 79, 12. IX. 79; Villar de Ciervo, Peña de la Campana, 19. V. 88, 2. VII. 90, 3. VII. 90; Villar de la Yegua, Vado de la Viña, 10. VII. 90 (3); Aldea del Obispo, Prado Caño, 5. VII. 90 (4), 11. VII. 90 (2), 13. VII. 90; S. of Castillejo de Martin Viejo, 7. IX. 84 (2); Rio Agueda near Castillejo de Martin Viejo, 17. IX. 84. — Prov. Badajoz: Los Santos de Maimona, 10. V. 80; 2 km N. of Fregenal de la Sierra, 22. VI. 82. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 8. VI. 89, 28. VI. 90. — Prov. Almería: Surroundings of Berja, 1. V. 80 (2). — Prov. Granada: Rio Guadalfeo, S. of Orgiva, 2. V. 80, 24. V. 83. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 4. VI. 89 (2).

Portugal — Prov. Faro: Serra do Monchique, 20. VI. 82; Bensafrim, 18. VI. 82, 19. VI. 82 (2); 6–8 km N. of Lagos, 2. VI. 83; 10 km W. of Lagos, 3. VI. 83 (2), 4. VI. 83, 11. VI. 87 (3).

On flowers of various Umbelliferae. — Recorded from Spain by HERTING (1969:221).

Clairvillia pninae Kugler

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 8. VI. 87, 21. VI. 87 (3), 22. VI. 87 (19), 24. VI. 87 (2), 25. VI. 87 (11), 15. VI. 90 (18), 16. VI. 90 (24), 17. VI. 90 (6), 18. VI. 90 (15), 23. VI. 90, 30. VI. 90, 1. VII. 90 (2); Villar de Ciervo, Puente Rieta, 10. IX. 79 (2); Villar de Ciervo, Puente Quebrada, 12. VI. 89 (3), 20. VI. 90 (3); Villar de la Yegua, Vado de la Viña, 31. VIII. 79, 10. IX. 84 (2), 9. VII. 90 (3), 10. VII. 90, 12. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84, 14. IX. 84; Saelices el Chico, 11. IX. 79; Rivera de Azaba near Carpio de Azaba, 12. IX. 84. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (5), 16. VI. 87 (4). — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85 (2); La Albufera, 18. V. 85 (3), 22. V. 85 (3), 25. V. 85.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83 (3).

On flowers (various Umbelliferae, *Mentha* sp., yellow Compositae). — First record for the Iberian Peninsula and Mallorca.

An additional character to separate the males of this species from *C. biguttata* are the recumbent hairs on the dorsal surface of abdominal tergites 3 and 4. In males of *C. biguttata* these hairs are erect.

Brullaea ocypteroidea Robineau-Desvoidy

Recorded from Spain and Mallorca by ARIAS (1912:133) (as *Brullaea ocypterina* Schin.). This doubtful record needs to be confirmed.

Labigaster forcipata Meigen

Spain — Prov. Teruel: Río Guadalaviar, 3 km W. Albarracín, 27. VIII. 86. — Prov. Salamanca: Río Agueda near Puerto Seguro, 27. V. 87, 28. V. 87; 6–8 km N. of Villar de Ciervo, 13. VI. 83, 25. VI. 87, 15. VI. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89 (4), 10. VI. 89 (2); Villar de la Yegua, Vado de la Viña, 7. VII. 90; Río Agueda near Castillejo de Martín Viejo, 26. VI. 90; Sierra de Gata, Río Agueda, 5 km N. of El Payo, 27. VI. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90. — Prov. Ciudad Real: Río Tirteafuera, W. of Abenójar, 6. VI. 89; Río Valdeazoges, 14 km E. of Almadén, 18. V. 83. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87. — Prov. Sevilla: Río Viar, E. of Castilblanco, 7. V. 80 (3). **Portugal** — Prov. Faro: 6–8 km N. of Lagos, 4. VI. 83.

On flowers (*Thapsia villosa*, *Heracleum sphondylium*, *Carum verticillatum*, *Elaeoselinum gummiferum* and other Umbelliferae, *Mentha* sp., *Thymus mastichina*, Compositae) or swept from low vegetation. — Recorded from Spain by HERTING (1969:221).

Labigaster nitidula Meigen

Spain — Prov. Salamanca: NW. of La Fregeneda, 14. VI. 82; 6–8 km N. of Villar de Ciervo, 25. VI. 87, 11. VI. 89, 13. VI. 89, 15. VI. 90, 16. VI. 90 (6), 17. VI. 90 (5), 18. VI. 90 (8), 22. VI. 90, 23. VI. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89, 10. VI. 89 (7), 12. VI. 89, 20. VI. 90 (9), 21. VI. 90 (3). — Prov. Ciudad Real: Río Tirteafuera, W. of Abenójar, 6. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90. — Prov. Granada: Río Guadalfeo, S. of Orgiva, 24. V. 83. — Prov. Huelva: 5 km S. of Los Cabezudos, 31. V. 83.

On flowers (*Carum verticillatum*, *Elaeoselinum gummiferum*, *Thapsia villosa* and other Umbelliferae, Compositae, *Euphorbia* sp.). — First record for the Iberian Peninsula.

Labigaster pauciseta Rondani

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 15. VI. 90, 22. VI. 90, 23. VI. 90, 1. VII. 90; Villar de Ciervo, Peña de la Campana, 19. V. 88; Villar de Ciervo, Puente Quebrada, 14. IX. 86, 30. V. 89 (2), 10. VI. 89 (2), 12. VI. 89; Villar de la Yegua, Vado de la Viña, 10. IX. 84. — Prov. Granada: Sierra Nevada, 2 km W. of Güéjar Sierra, 1000 m, 23. V. 83. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 15. VI. 87 (5), 16. VI. 87 (2), 4. VI. 89 (2).

On flowers (*Thapsia villosa*, *Carum verticillatum*, *Elaeoselinum gummiferum* and other Umbelliferae, *Euphorbia* sp., Compositae) or swept from low vegetation. — Recorded from Spain by CZERNY & STROBL (1909:223).

Weberia digramma Meigen

Spain — Prov. Salamanca: NW. of La Fregeneda, 8. VI. 83; 6–8 km N. of Villar de Ciervo, 7. VI. 83 (2), 13. VI. 83, 24. VI. 87, 23. IV. 88; Villar de Ciervo, Puente Quebrada, 30. V. 89 (7), 10. VI. 89 (2). — Prov. Córdoba: Río Guadalbarbo between Espiel and Alcaracejos, 19. V. 83. — Prov. Huelva: 15 km SE. of Mazagón, 29. V. 83. — Mallorca: 4 km NW. of Calas de Mallorca, 15. V. 85.

Swept from flowers (*Matricaria* sp., *Euphorbia* sp., *Elaeoselinum gummiferum*) or other low vegetation. — First record for the Iberian Peninsula and Mallorca.

Cylindromyia rufifrons Loew

Spain — Prov. Léon: Río Valcarce near Pereje (W. of Ponferrada), 11. IX. 86. — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 10. IX. 79 (2), 12. IX. 79; Villar de Ciervo, Puente Quebrada, 6. IX. 86; Villar de la Yegua, Vado de la Viña, 10. IX. 84 (5), 7. VII. 90, 9. VII. 90 (2), 10. VII. 90 (2); S. of Castillejo de Martín Viejo, 29. VIII. 86; Río Agueda near Castillejo de Martín Viejo, 9. IX. 84 (3), 13. IX. 84 (5), 14. IX. 84 (2), 15. IX. 84 (8), 17. IX. 84 (7), 18. IX. 84 (3), 17. IX. 86, 18. IX. 86; Rivera de Azaba near Carpio de Azaba, 12. IX. 84 (2). — Prov. Cáceres: El Campillo, 4. VI. 87.

Portugal — Prov. Faro: 10 km W. of Lagos, 3. VI. 83 (2), 4. VI. 83 (2).

On flowers (*Mentha pulegium*, *M. suaveolens*, *Thymus mastichina*, *Daphne gnidium*, *Eryngium* sp., *Foeniculum vulgare*, *Elaeoselinum gummiferum*). — Recorded from Spain by PANDELLÉ (1894:59), STROBL (1906:338), CZERNY & STROBL (1909:216) and HERTING (1983a:83).

Cylindromyia rubida Loew

Portugal — Prov. Faro: 3 km N. of Lagos, 19. VI. 82.

On flowers of a white Umbelliferae (probably *Elaeoselinum gummiferum*). — Recorded from Portugal by HERTING (1983a:82).

Cylindromyia aurora Herting

Recorded from Spain by HERTING (1983a:55).

Cylindromyia bicolor Olivier

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 13. V. 80, 22. VI. 87, 25. VI. 87, 20. V. 88 (6), 11. VI. 89, 16. VI. 90 (2), 18. VI. 90 (3), 30. VI. 90 (2), 1. VII. 90, 5. VII. 90 (2); Villar de la Yegua, Vado de la Viña, 10. VII. 90; Sierra de Gata, 2–6 km S. of Villasrubias, 5. VI. 87. — Prov. Madrid: Río Manzanares near El Pardo, 6. IX. 79. — Prov. Cáceres: Castañar de Ibor, 1. VI. 87 (4); Sierra de Guadalupe, 16 km N. of Guadalupe, 1. VI. 87 (5), 7. VI. 89 (28), 8. VI. 89 (17); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87 (30). — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87 (5), 4. VI. 89, 5. VI. 89 (2); Sierra de Segura, Río Segura, 3. V. 88 (3).

On flowers of various Umbelliferae and *Euphorbia* sp. — Recorded from Spain by CZERNY & STROBL (1909:216), CODINA (1912:120) and HERTING (1969:222, 1983a:57) and from Portugal by CORTI (1903:1076).

Cylindromyia brassicaria Fabricius

Spain — Prov. Salamanca: Río Agueda near Puerto Seguro, 28. V. 87 (4); 6–8 km N. of Villar de Ciervo, 12. VI. 83; Villar de la Yegua, Vado de la Viña, 7. VII. 90 (2); Río Agueda near Castillejo de Martín Viejo, 11. IX. 84; Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (2); Sierra de Gata, 2–6 km S. of Villasrubias, 27. VI. 90. — Prov. Cáceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90. — Prov. Jaén: Sierra de Cazorla, Río Guadalquivir, 1200 m, 16. VI. 87, 4. VI. 89. — Mallorca: La Albufera, 22. V. 85, 25. V. 85.

On flowers (*Thapsia villosa*, *Thymus mastichina*, *Mentha* sp., *Carum verticillatum*, *Daucus carota*, *Euphorbia* sp.). — Recorded from Spain by STROBL (1906:338) and HERTING (1969:221, 1983a:58) and from Mallorca by ARIAS (1912a:79). The records of *Ocyptera boscii* R. D. in CZERNY & STROBL (1909:216) and ARIAS (1912a:78) may refer to *brassicaria* or to another species of *Cylindromyia*.

Cylindromyia brevicornis Loew

Spain — Prov. La Coruña: Piadela, 10. IX. 86. — Prov. Jaén: Sierra de Cazorla, S. of Cabañas, 2000 m, 16. VI. 87 (11).

Sitting on stones on a hilltop, only 1 specimen swept from flowers of Umbelliferae. — Recorded from Spain by POULTON (1904:644), ARIAS (1912a:79), VILLENEUVE (1931:64) and HERTING (1969:222, 1983a:60).

Cylindromyia pilipes Loew

Spain — Prov. Pontevedra: 2 km N. of Caldas de Reis, 9. IX. 86. — Prov. Lérida: 2 km S. of Oliana, 25. VIII. 86. — Prov. León: Rio Valcarce near Pereje (W. of Ponferrada), 11. IX. 86. — Prov. Salamanca: Rio Agueda near Puerto Seguro, 27. VIII. 79 (3), 27. V. 87; 6–8 km N. of Villar de Ciervo, 21. VI. 87, 28. V. 89, 11. VI. 89, 13. VI. 89 (2), 15. VI. 90 (3), 16. VI. 90 (3), 17. VI. 90 (3), 18. VI. 90 (3), 30. VI. 90; Villar de Ciervo, Puente Rieta, 10. IX. 79 (5); Villar de Ciervo, Peña de la Campana, 3. VII. 90; Villar de Ciervo, Puente Quebrada, 2. IX. 86, 19. IX. 86, 30. V. 89, 12. VI. 89 (3); Villar de la Yegua, 11. VII. 90; Villar de la Yegua, Vado de la Viña, 10. IX. 84 (7), 10. VII. 90; Aldea del Obispo, Prado Caño, 11. VII. 90; S. of Castillejo de Martin Viejo, 9. IX. 84 (2); Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (2), 11. IX. 84 (4), 14. IX. 84 (5), 29. VIII. 86, 26. VI. 90 (2); Saelices el Chico, 11. IX. 79 (2); NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84; Rivera de Azaba near Carpio de Azaba, 11. IX. 79 (2). — Prov. Madrid: Rio Manzanares near El Pardo, 6. IX. 79. — Prov. Badajoz: Rio Guadalemar, E. of Fuenlabrada de los Montes, 6. VI. 89. — Prov. Cáceres: Sierra de Guadalupe, 13 km N. of Guadalupe, 28. VI. 90. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87. — Mallorca: La Albufera, 22. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (3). — Prov. Faro: 6–8 km N. of Lagos, 3. VI. 83; 3 km N. of Lagos, 20. VI. 82 (2).

On flowers (various Umbelliferae, *Mentha pulegium*, *M. suaveolens*, *Thymus mastichina*, *Euphorbia* sp.). — Recorded from Spain by STROBL (1906:338), CZERNY & STROBL (1909:216), ARIAS (1912a:137) and HERTING (1983a:77). First record for Mallorca.

Cylindromyia pusilla Meigen

Spain — Prov. La Coruña: Piadela, 10. IX. 86 (2). — Prov. Jaén: 8 km N. of Alcalá, 21. V. 83; Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 16. VI. 87 (5); Sierra de Cazorla, Rio Guadalquivir, 800 m, 8. V. 88.

Swept from flowers (*Euphorbia* sp., Umbelliferae). — Recorded from Spain by CUNÍ (1883:100), PANDELLÉ (1894:63), STROBL (1906:338), CZERNY & STROBL (1909:216) and HERTING (1969:222).

Cylindromyia rufipes Meigen

Spain — Prov. Sevilla: Rio Viar, E. of Castilblanco, 7. V. 80. — Mallorca: La Albufera, 22. V. 85 (2).

Swept from flowers of *Daucus carota* or from low vegetation. — Recorded from Spain by PANDELLÉ (1894:59), STROBL (1906:338), CODINA (1914:161), ISENSEE et alii (1965:613) and HERTING (1969:222, 1983a:85) and from Mallorca by ARIAS (1912a:148).

Cylindromyia crassa Loew

Recorded from Spain by HERTING (1983a:61).

Cylindromyia intermedia Meigen

Spain — Prov. Lérida: 1,5 km N. of Organyà, 25. VIII. 86. — Prov. Salamanca: Villar de Ciervo, Puente Rieta, 10. IX. 79; Villar de Ciervo, Puente Quebrada, 6. IX. 86, 30. V. 89, 12. VI. 89; Villar de la Yegua, Vado de la Viña, 31. VIII. 79 (3), 10. IX. 84, 10. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 14. IX. 84. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 16. VI. 87 (2).

On flowers (*Mentha pulegium*, *M. suaveolens*, *Euphorbia* sp., *Origanum* sp., Umbelliferae). — Recorded from Spain by PANDELLÉ (1894:62) (as *Ocyptera excisa* Loew), STROBL (1906:338) (as *O. excisa* Loew.), CZERNY & STROBL (1909:216) (as *O. intermedia* Mg. and *O. scalaris* Loew) and HERTING (1969:222) and from Portugal by ARIAS (1912a:112).

Cylindromyia auriceps Meigen

Spain — Prov. Salamanca: Rio Agueda near Puerto Seguro, 28. V. 87; 6–8 km N. of Villar de Ciervo, 21. VI. 87 (21), 22. VI. 87 (8), 24. VI. 87, 25. VI. 87 (5), 11. VI. 89, 15. VI. 90 (6), 16. VI. 90 (13), 17. VI. 90 (3), 18. VI. 90 (13), 22. VI. 90 (3), 23. VI. 90 (2), 5. VII. 90 (2); Villar de Ciervo, Puente Rieta, 10. IX. 79 (3); Villar de Ciervo, Puente Quebrada, 2. IX. 86 (2), 14. IX. 86, 10. VI. 89, 30. VI. 90; Villar de la Yegua, 7. VII. 90, 11. VII. 90; Villar de la Yegua, Vado de la Viña, 10. IX. 84 (8), 10. VII. 90 (2); Aldea del Obispo, Prado Caño, 11. VII. 90, 13. VII. 90; S. of Castillejo de Martin Viejo, 9. IX. 84; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84 (2), 14. IX. 84 (4), 15. IX. 84 (3), 17. IX. 84, 29. VIII. 86, 26. VI. 90; Saelices el Chico, 11. IX. 79; NE. of Ciudad Rodrigo, Arroyo de San Giraldo, 12. IX. 84. — Prov. Avila: Rio Tormes, 10 km E. of El Barco de Avila, 9. IX. 79. — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 28. VI. 90 (3). — Prov. Malaga: 5 km W. of San Pedro, 26. V. 83. **Portugal** — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84 (2). — Prov. Faro: 10 km W. of Lagos, 3. VI. 83, 11. VI. 87.

On flowers (various Umbelliferae, *Mentha pulegium*, *M. suaveolens*, *Thymus mastichina*, *Euphorbia* sp.). — Recorded from Spain by PANDELLÉ (1894:63), CODINA (1912:121) (as *Ocyptera mussinii* Rond.) and ISENSEE et alii (1965:613).

Cylindromyia interrupta Meigen

Spain — Prov. Salamanca: Aldea del Obispo, Prado Caño, 5. VII. 90 (2).

On flowers of *Eleoselinum gummiferum*. — Recorded from Spain by ARIAS (1912a:112) and HERTING (1983a:68). The record by ARIAS is doubtful and needs to be confirmed.

Cylindromyia scapularis Loew

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87, 4. VI. 89 (2).

On flowers of *Euphorbia* sp. — Recorded from Spain by HERTING (1983a:86).

Hemyda obscuripennis Meigen

Spain — Prov. Caceres: Sierra de Guadalupe, 16 km N. of Guadalupe, 7. VI. 89, 8. VI. 89 (2); Sierra de Guadalupe, 13 km N. of Guadalupe, 2. VI. 87.

On flowers (*Euphorbia* sp., *Thapsia villosa*). — First record for the Iberian Peninsula.

Hemyda vittata Meigen

Recorded from Spain by CZERNY & STROBL (1909:222) (as *Phania vittata* Mg.).

Besseria dimidiata Zetterstedt

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87.

On flowers of *Euphorbia* sp. — First record for the Iberian Peninsula.

Besseria lateritia Meigen

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 24. VI. 87, 25. VI. 87, 15. VI. 90, 18. VI. 90, 22. VI. 90 (3), 23. VI. 90 (5), 30. VI. 90, 1. VII. 90, 5. VII. 90; Villar de Ciervo, Peña de la Campana, 2. VII. 90, 3. VII. 90; Villar de Ciervo, Puente Quebrada, 30. V. 89 (3), 10. VI. 89 (9), 12. VI. 89, 20. VI. 90 (12), 21. VI. 90 (6), 2. VII. 90; Aldea del Obispo, Prado Caño, 5. VII. 90.

Portugal — Prov. Faro: 3 km N. of Lagos, 20. VI. 82; 10 km W. of Lagos, 3. VI. 83.

On flowers (*Matricaria* sp., *Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Carum verticillatum*). — First record for the Iberian Peninsula.

Besseria reflexa Robineau-Desvoidy

Spain — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (2).

On flowers of *Euphorbia* sp. — The record of *B. melanura* Mg. from Spain by CZERNY & STROBL (1909:222) may refer to this species.

Besseria zonaria Loew

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 22. VI. 90; Villar de Ciervo, Puente Quebrada, 19. IX. 86; Villar de la Yegua, Vado de la Viña, 10. IX. 84, 14. VI. 89 (2), 9. VII. 90; Rio Agueda near Castillejo de Martin Viejo, 9. IX. 84, 11. IX. 84 (2), 14. IX. 84, 17. IX. 84 (3); Saelices el Chico, 11. IX. 79 (2), 12. IX. 79; Rivera de Azaba near Carpio de Azaba, 12. IX. 84. — Prov. Jaén: Sierra de Cazorla, Rio Guadalquivir, 1200 m, 15. VI. 87 (12), 16. VI. 87 (3). — Mallorca: Surroundings of Artá, 20. V. 85.

Portugal — Prov. Guarda: 4 km N. of Vilar Formoso, 8. IX. 84.

On flowers (*Mentha pulegium*, *M. suaveolens*, *Matricaria* sp., *Foeniculum vulgare*, *Euphorbia* sp., *Elaeoselinum gummiferum*, undetermined yellow Umbelliferae). — Recorded from Spain by HERTING (1969:222) [as *B. anthophila* Loew., correction in HERTING (1979:7)]. First record for Mallorca.

Phania albisquama Villeneuve

Spain — Prov. Salamanca: 6–8 km N. of Villar de Ciervo, 7. VI. 83 (7), 12. VI. 83, 13. VI. 83 (7), 21. VI. 87, 22. VI. 87 (9), 24. VI. 87 (6), 25. VI. 87 (49), 28. V. 89 (4), 11. VI. 89 (21), 15. VI. 90 (21), 16. VI. 90 (70), 17. VI. 90 (13), 18. VI. 90 (71), 22. VI. 90 (44), 23. VI. 90 (214), 30. VI. 90 (28), 1. VII. 90 (90), 5. VII. 90 (15); Villar de Ciervo, Puente Quebrada, 30. V. 89 (7), 10. VI. 89, 12. VI. 89 (7), 20. VI. 90 (26), 21. VI. 90 (9), 30. VI. 90, 2. VII. 90 (7); Rio Agueda near Castillejo de Martin Viejo, 26. VI. 90. — Prov. Granada: Rio Alcolea, W. of Ugijar, 6. V. 88 (8). — Prov. Malaga: 30 km NE. of Ronda, 25. V. 83.

Portugal — Prov. Faro: 6–8 km N. of Lagos, 2. VI. 83.

On flowers (*Elaeoselinum gummiferum*, *Magydaris panacifolia*, *Carum verticillatum*, *Matricaria* sp.). — First record for the Iberian Peninsula.

Phania funesta Meigen

Spain — Prov. Léon: Rio Valcarce near Pereje (W. of Ponferrada), 11. IX. 86.

On flowers of *Foeniculum vulgare*. — The record of *Cercomyia curvicauda* Fall. from Spain by STROBL (1899:217) may refer to this or to another species of *Phania*.

Phania incrassata Pandellé

Recorded from Spain by PANDELLÉ (1894:70).

3. List of plants mentioned in the text

(Families, genera and species in alphabetical order.)

Caryophyllaceae: *Corrigiola telephiifolia* Pourret

Compositae: *Matricaria* sp., *Chrysanthemum* sp.

Ericaceae: *Arbutus unedo* L., *Erica* sp.

Euphorbiaceae: *Euphorbia broteri* Daveau, *Euphorbia segetalis* L., *Euphorbia* sp.

Fagaceae: *Quercus ilex* L.

Gramineae: *Phragmites* sp.

Hypolepidaceae: *Pteridium aquilinum* (L.) Kuhn.

Juncaceae: *Juncus* sp.

Labiatae: *Mentha pulegium* L., *Mentha suaveolens* Ehrh., *Origanum* sp., *Thymus mastichina* L.

Leguminosae: *Cytisus multiflorus* (L'Hér.) Sweet

Rutaceae: *Ruta montana* (L.) L.

Scrophulariaceae: *Anarrhinum bellidifolium* (L.) Willd.

Thymelaeaceae: *Daphne gnidium* L.

Typhaceae: *Typha* sp.

Umbelliferae: *Carum verticillatum* (L.) Koch, *Daucus carota* L., *Elaeoselinum gummi-ferum* (Desf.) Tutin, *Eryngium* sp., *Ferula communis* L., *Foeniculum vulgare* Miller, *Heracleum sphondylium* L., *Magydaris panacifolia* (Vahl) Lange, *Pastinaca sativa* L., *Thapsia villosa* L.

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