

Stuttgarter Beiträge zur Naturkunde

Serie A (Biologie)

Herausgeber:

Staatliches Museum für Naturkunde, Rosenstein 1, D-7000 Stuttgart 1

Stuttgarter Beitr. Naturk.

Ser. A

Nr. 394

15 S.

Stuttgart, 15. 10. 1986

The Tachinidae (Diptera) of the Canary Islands

By Marcos Báez, La Laguna, Benno Herting, Stuttgart,
and Hans-Peter Tschorsnig, Stuttgart

Summary

52 species of Tachinidae have been found on the Canary Islands until now. 18 of them are new records, and one of them (*Ceratochaetops* sp.) is an undescribed new species. The fauna of Fuerteventura and Lanzarote is largely different from the fauna of the other islands. All available collection dates from the archipelago are listed. Misidentifications in the older literature are rectified.

Zusammenfassung

Auf den Kanarischen Inseln wurden bisher 52 Arten von Raupenfliegen (Tachinidae) gefunden. 18 von ihnen sind hier erstmalig gemeldet, eine davon (*Ceratochaetops* sp.) ist eine unbeschriebene neue Art. Die Fauna von Fuerteventura und Lanzarote ist von der Fauna der anderen Inseln sehr verschieden. Alle vorhandenen Funddaten von den Kanaren sind angeführt. Bestimmungsfehler in der älteren Literatur werden richtiggestellt.

1. Introduction

Fifty years have passed since RICHARD FREY (1936) published his important monographic study of the Dipteran fauna of the Canary Islands. During this long interval, more collections have been made, the knowledge of species has improved considerably, classification and nomenclature have changed. There is thus a need for an up-to-date and revised conspectus of the species existing on the archipelago.

The present paper is confined to the family Tachinidae, flies that are parasites of other insects. All available collection dates from the Canary Islands are listed. The majority of them has been contributed by MARCOS BÁEZ, entomologist at the University of La Laguna (Tenerife), who has collected many times on the Islands from 1972 until now. All species (but not all specimens) were determined by HERTING. Samples of the older material published by BECKER (1908) and FREY (1936) were borrowed from the Zoological Museums in Berlin and Helsinki for revision. Some of the determinations of this material proved to be erroneous and have been rectified. The systematic arrangement and nomenclature in the present paper corresponds to the recently published Catalogue of Palearctic Tachinidae (HERTING 1984).

A total number of 52 species of Tachinidae has been found on the Canary Islands until now. 18 of them are new records, not published before, and one of them is a species new to science. The fact that 11 species were collected only at a single place and date suggests that the list is still incomplete. Further collection may add another 10 species, but the number of Tachinid species existing on the archipelago appears rather small, when compared with the 1552 species that are known within the boundaries of the Palearctic Region. 7 species and 2 subspecies are endemic to the Canary Islands.

The insular distribution of the species is of high interest. There is a great faunistic difference between the five western islands on one side, and Fuerteventura and Lanzarote on the other side. The latter two have a climate and vegetation similar to the neighbouring arid part of the African continent. In contrast to that, the western islands are more humid because of their higher elevations, and are more rich in their flora. Only 10 of the 52 species of Tachinidae were found in both parts of the archipelago. A total of 38 species is recorded from the western islands: 31 from Tenerife (where most of the collecting was done), 19 from Gran Canaria, 15 from Gomera, 17 from La Palma, and 13 from Hierro. Of the 9 endemic forms, 8 are restricted to the western islands. The number of species recorded from the two eastern islands is 24, of which 19 were found on Fuerteventura, and 15 on Lanzarote. 23 of them occur also in the arid regions of North Africa and the Near East, the remaining one (*Synamphichaeta*) is an endemic that probably exists on all Canary Islands.

The faunistic studies made by MARCOS BÁEZ were partially supported by the Research Project no. 1692—82 of the CAICYT (Ministerio de Educación y Ciencia, Spain). For the loan of specimens required for verification we are indebted to Dr. B. LINDBERG, Zoological Museum of the University (Helsinki) and Dr. H. SCHUMANN, Museum für Naturkunde der Humboldt-Universität (Berlin). Thanks are also due to Mr. P. J. CHANDLER, Weston Research Laboratories (Maidenhead, Berks.), who has sent us Canarian Tachinidae for determination and publication.

The following names of collectors have been abbreviated in the list of collecting dates: MARCOS BÁEZ (*M. B.*), PETER J. CHANDLER (*P. J. C.*), J. M. FERNÁNDEZ (*J. M. F.*), RICHARD FREY (*R. Fr.*), C. H. JACKSON (*C. H. J.*), HÅKAN LINDBERG (*H. L.*), RAGNAR STORÅ (*R. St.*), HANS-PETER TSCHORSNIG (*H. P. T.*).

Further abbreviations: *Distr.* = geographic distribution, *misident.* = misidentified, *pers. comm.* = personal communication.

2. Species list

Exorista (Exorista) segregata Rondani

New record for the Canary Is.

Distr.: Mediterranean, Central Asia.

Tenerife: Las Cañadas, 12. VI. 1964, 1♂ (J.M.F.), 28. IX. 1985, 1♀ (M. B.); — Santa Cruz, 17. XII. 1980, 1♂ (M.B.).

La Palma: El Paso, 12. VII. 1973, 1♂ (M.B.).

Exorista (Podotachina) sorbillans Wiedemann

Described by WIEDEMANN (1830: 311) in the genus *Tachina*. Recorded by MACQUART (1839: 111) as *Masicera sorbillans* Wied., by BECKER (1908: 116) as *Tricholyga grandis* Zetterstedt (misident.), and by FREY (1936: 145) as *Tricholyga sorbillans* Wied.

Distr.: Mediterranean, Central Asia, Japan, widespread Afrotropical and Oriental Regions.

Tenerife: no date (syntypes, WIEDEMANN l. c.); — Santa Cruz, 3. V. 1952, 1♂, 23. I. 1964, bred from *Danaus chrysippus* Linnaeus (Lep. Danaidae), 1♀, 16. I. 1966, bred from *Catopsilia florella* Fabricius (Lep. Pieridae), 1♂, 19. I. 1967, 1♀, 16. XI. 1968, bred from *Danaus plexippus* Linnaeus (Lep. Danaidae), 1♂ (J.M.F.), 10. I. 1970, 1♀, 19. VI. 1970, 2♂♂, 19. VII. 1973, 1♂, 2. XI. 1973, 1♂ (M.B.); — Los Rodeos, 29. VII. 1956, 2♂♂ (J.M.F.); — Punta del Hidalgo, 25. VII. 1960, 1♂ (J.M.F.); — Bajamar, 8. XII. 1973, 1♂, 1♀ (M.B.); — La Cuesta, 25. XII. 1973, 1♀, 19. I. 1974, 1♂ (M.B.); — Las Cañadas, 28. IX. 1979, 1♂, 6. IX. 1981, 1♂ (M.B.); — Araya de Candelaria, 18. XI. 1979, 1♀ (M.B.).
 Gran Canaria: Marzagán, 17. II. 1985, 1♂ (M.B.).
 Gomera: Las Mesetas, 13. IX. 1977, 1♀ (M. B.); — Vallehermoso, 19. IX. 1977, 1♂ (M.B.).
 La Palma: La Caldera, 7. VIII. 1931 (R.St.).
 Hierro: El Pinar, 11. I. 1971, 1♀ (J. J. BACALLADO).

Exorista (Ptilotachina) kugleri Mesnil

New record for the Canary Is.

Distr.: Found in Tunisia, Palestine and Tadzhikistan.

Tenerife: La Esperanza, 31. VIII. 1973, 1♂ (M.B.); — El Médano, 19. III. 1984, 1♂ (H.P.T.).
 Gran Canaria: Fataga, 15. IX. 1976, 1♀ (M.B.).
 Gomera: Valle Gran Rey, 31. VII. 1982, 1♂ (G. ORTEGA).

Chaetogena acuminata Rondani

Recorded by BECKER (1908: 116) as *Plagiprospherisa* sp. and by FREY (1936: 145) as *Stomatomyia acuminata* var. *approximata* Villeneuve. The var. *approximata* is an individual variation without taxonomic status.

Distr.: Mediterranean, on seashores northwards to Holland and South England; Central Asia, Japan.

Tenerife: no date (BECKER, l. c.); — Tacoronte, 8. VII. 1931 (R.Fr.); — Orotava, 26. VII. 1931 (R.St.); — Aguamansa, 27. VII. (R.Fr. & R.St., lectotype of var. *approximata* Villeneuve 1936); — La Esperanza, 16. VIII. 1931 (R.Fr. & R.St.); — Santa Cruz, 3. IV. 1960, 1♂ (J.M.F.); — Fasnía, 17. IX. 1972, 1♂, 18. XI. 1973, 1♀ (M.B.); — El Médano, 19. III. 1984, 2♂♂ (H.P.T.); — between Fasnía and Güimar, 20. III. 1984, 1♂ (H.P.T.); — Barranco del Infierno, 23. III. 1984, 1♂ (H.P.T.); — Arona, 28. III. 1984, 1♀ (H.P.T.).
 Gran Canaria: no date (BECKER l. c.); — Las Lagunetas, 22. VIII. 1931 (R.Fr.); — Bandama, 14. IX. 1976, 1♂ (M.B.); — Tejada, 16. IX. 1976, 1♂ (M.B.).
 Gomera: San Sebastian, 11. VIII. 1931 (R.St.); — El Paso, 16. VIII. 1977, 1♂ (M.B.); — Valle Gran Rey, 19. VIII. 1977, 1♂ (M.B.); — Vallehermoso, 19. IX. 1977, 1♀ (M.B.).
 La Palma: no date (BECKER l. c.); — Las Indias, 26. V. 1976, 1♂ (P.J.C.).
 Hierro: Frontera, 26. V. 1976, 1♂ (M.B.); — Jinamar, 28. V. 1976, 1♂ (M.B.).
 Fuerteventura: La Matilla, 17. II. 1977, 2♀♀ (M.B.); — Vallebrón, 21. II. 1980, 1♀ (M.B.); — Tetir, 21. II. 1980, 1♀ (M.B.); — Vega de Río Palmas, 6. III. 1984, 2♂♂ (M.B.).
 Lanzarote: Orzola, 23. IV. 1977, 1♂ (M.B.); — Haría, 24. IV. 1977, 1♂, 23. II. 1979, 1♂ (M.B.); — Mala, 21. II. 1979, 1♂, 1♀ (M.B.); — Uga, 19. III. 1985, 4♂♂, 2♀♀ (M.B.).

Chaetoria stylata Becker

Described by BECKER (1908: 113, 114) as n. gen., n. sp.

Distr.: Found also in Algeria, Tunisia, Greece, Uzbekistan, Senegal, Nigeria, Mozambique, Botswana.

Tenerife: no date, 1♀ (holotype, BECKER, l. c.). The presence on this island has not been confirmed by subsequent collectors.

Fuerteventura: La Oliva, 11. V. 1974, 1♂ (M.B.); — Los Valles, 20. II. 1979, 1♂ (M.B.); — Tesjuate, 22. II. 1980, 1♂ (M.B.).

Steleoneura czernyi Stein

New record for the Canary Is.

Distr.: Found in Spain, southern France, Israel, Tadjhikistan, Mongolia.

Fuerteventura: Cumbres de Jandía, 15. II. 1977, 1♂ (M.B.).

Ceracia mucronifera Rondani

Recorded by BECKER (1908: 113) as *Masicera acuminata* n. sp. (♀) and by ENDERLEIN (1930: 43) as *Pamphagophaga gomerana* n. gen., n. sp. (♂). The species equals *Myiothyria benoisti* Mesnil (in LINDNER, p. 791), whereas *C. mucronifera* Rondani of MESNIL (in LINDNER, p. 789) is a misidentification.

Distr.: Mediterranean to Transcaucasia.

Tenerife: Güimar, III. 1901, 1♀, (BECKER, holotype of *M. acuminata*); — Conde de Arona, 24. III. 1984, 1♂ (H.P.T.).

Gomera: Hermigua, 7.—9. II. 1930, bred from *Acrostira bellamyi* Uvarov (Acridoidea), 8♂♂ (ENDERLEIN, syntypes of *P. gomerana*).

Lanzarote: Haría, 20. III. 1985, 1♀ (M.B.).

Atylomyia albifrons Villeneuve

Recorded by HERTING (1958: 7).

Distr.: Morocco, southern France (Var), Egypt, Palestine.

Fuerteventura: Jable, 5.—8. III. 1949, 1♂, 1♀ (H.L.).

Nemorilla maculosa Meigen

Recorded by BECKER (1908: 113) as *N. notabilis* Meigen (misident.) and *N. floralis* Fallén (misident.) and by FREY (1936: 147) as *N. floralis* Fallén (misident.).

Distr.: Europe except Britain, North Africa, Near East, Central Asia, southern Siberia.

Tenerife: no date (BECKER l.c.); — Aguamansa, VII. 1931 (R.St.); — Tacoronte, VII. 1931 (R.Fr.); — La Laguna, 2. VII. 1931 (R.Fr.), 7. IV. 1963, 2♀♀ (J.M.F.); — Las Cañadas, 23.—24. VII. 1931 (R.Fr. & R.St.), 1. IV. 1973, 1♂, 1♀ (P.J.C. & C.H.J.), 12. IV. 1984, 1♂ (M.B.); — Las Canteras, 6. IV. 1961, 1♂, 1♀ (J.M.F.); — Valle Tabares, 16. IX. 1973, 1♂ (M.B.); — El Socorro, 2. XII. 1973, 1♂ (M.B.); — Las Galletas, 22. I. 1977, 1♂ (M.B.); — Iguete de Candelaria, 18. XI. 1979, 2♂♂ (M.B.); — Altos de Arafo, 21. VII. 1981, 1♂, 1♀ (M.B.); — Las Caletillas, 11. II. 1982, 1♂ (M.B.); — Malpais de Güimar, 16. III. 1983, 1♂ (M.B.); — El Médano, 19. III. 1984, 1♂ (H.P.T.); — Granadilla, 30. XI. 1984, 1♀ (M.B.).

Gran Canaria: no date (BECKER, l.c.); — Las Palmas, 22.—29. VI. 1931 (R.St.); — Maspalomas, 22. IX. 1973, 1♀, 15. IX. 1976, 1♂ (M.B.); — Tejeda, 16. IX. 1976, 2♂♂ (M.B.); — Presa de Las Niñas, 30. III. 1983, 1♂ (M.B.); — Marzagan, 17. II. 1985, 1♀ (M.B.).

Gomera: Cumbre VIII. 1931 (R.St.); — Hermigua, VIII. 1931 (R.Fr.); — Vallehermoso, 19. IX. 1977, 2♂♂ (M.B.).

La Palma: no date (BECKER l.c.); — El Tíme, 28. V. 1976, 2♂♂ (P.J.C.); — Barranco de las Nieves, 1. VI. 1976 (P.J.C.).

Hierro: La Lajura, 28. V. 1976, 1♂ (M.B.); — Echedo, 29. I. 1978, 2♂♂ (M.B.); — El Pinar, 30. I. 1978, 1♂ (M.B.); — Frontera, 1. II. 1978, 2♂♂ (M.B.).

Fuerteventura: Tarajalejo, 14. II. 1977, 1♂ (M.B.); — Vallebrón, 7. III. 1984, 2♂♂ (M.B.).

Aplomyia confinis Fallén

Recorded by BECKER (1908: 113) as *Parexorista confinis* Fall. and by FREY (1936: 147) as *Exorista confinis* Fall.

Distr.: Palearctic from Britain to Japan.

Tenerife: V. and VI. 1904 (BECKER l.c.); — Agua Garcia, VII. 1931 (R.Fr.); — Aguamansa, VII. 1931 (R.St.), 19. I. 1975, 1♂ (M.B.); — La Laguna, 2. VII. 1931 (R.Fr. & R.St.); — Tacoronte, VII. 1931 (R.Fr. & R.St.); — Orotava, VII. 1931 (R.St.); — Icod, 9. V. 1947 (H.L.); — Valle Tabares, 25. XII. 1974, 1♂ (M.B.); — Altos de Arafo, 21. VII. 1981, 1♀ (M.B.); — Zapata, 5. II. 1985, 1♀ (M.B.).

Gomera: Áljajeró, 11. IV. 1975, 1♂ (M.B.); — El Jardín, 12. VIII. 1977, 2♂♂ (M.B.); — Tecina, 28. III. 1978, 1♂ (M.B.).

Hierro: San Lázaro, 27. V. 1976, 1♂ (M.B.).

Drino atropivora Robineau-Desvoidy

Recorded by BECKER (1908: 115) as *Argyrophylax atropivora* Rob.-Desv.

Distr.: Mediterranean, Central Asia, Japan.

Tenerife: Santa Cruz, 27. II. 1975, 1♀ (M.B.).

Gran Canaria: no date, 2♂♂ (BECKER).

Drino imberbis Wiedemann

Recorded by BECKER (1908: 115) as *Argyrophylax bimaculata* Hartig (misident.), and by FREY (1936: 147) as *Sturmia inconspicua* Meigen (misident.). Specimens from both collections have been seen and redetermined by HERTING. The name *imberbis* is used here in the sense of MESNIL (in LINDNER, p. 184). CROSSKEY (1967: 93, 94) has applied the name to another species and cited the present species as *Palexorista zonata* Curran.

Distr.: Northern and tropical Africa, Near and Middle East.

Tenerife: Santa Cruz, 2♂♂ (BECKER), 11. II. 1962, 1♂ (J.M.F.), 31. III. 1977, 1♀, 27. V. 1979, 1♂, 1♀ (M.B.); — La Orotava, 1♀ (BECKER); — La Laguna, 2. VII. 1931, 1♂, 1♀ (R.Fr. & R.St.); — Tacoronte, VII. 1931 (R.St.); — Bajamar, 6. I. 1972, 1♂, 1♀ (M.B.); — Santa Ursula, 12. II. 1985, 1♀ (M.B.).

Gran Canaria: no date, 1♀ (BECKER); — Puerto Rico, 15. IX. 1974, 1♂ (M.B.).

Gomera: Hermigua, 11. VIII. 1931, 1♀ (R.Fr.); — Vallehermoso, 19. IX. 1977, 6♂♂, 2♀♀ (M.B.).

Cestonia canariensis Villeneuve

Described by VILLENEUVE in FREY (1936: 145).

Distr.: Found elsewhere only in Israel.

Gran Canaria: Las Palmas, 28. VIII. 1931, 1♂, 1♀ (R.Fr., syntypes).

Cestonionerva petiolata Villeneuve

New record for the Canary Is.

Distr.: North Africa, Near East and Central Asia, in deserts.

Fuerteventura: La Oliva, 6. XII. 1979, 2♀♀ (M.B.); — La Asomada, 21. II. 1980, 1♀ (M.B.).

Enmeella perdives Villeneuve

New record for the Canary Is.

Distr.: Southern Spain, Tunisia, Palestine.

Gran Canaria: Fataga, 9. III. 1977, 1♂ (M.B.); — Inagua, 25. II. 1982 (M.B.).

Lanzarote: Haría, 20. II. 1979, 1♀ (M.B.).

Ceratochaetops n. sp.

New species, but the specimen is immature (head deformed) and not convenient for a description.

Gran Canaria: Guayadeque, 28. XII. 1980, 1♂ (M.B.).

Clemelis massilia Herting

New record for the Canary Is.

Distr.: Southern France (Vaucluse, Bouches-du-Rhône).

Fuerteventura: Corralejo, 5. III. 1984, 3♂♂, 1♀ (M.B.).

Lanzarote: Tabayesco, 21. IV. 1977, 1♀ (M.B.).

Synamphichaeta tricincta Villeneuve

Recorded by BECKER (1908: 114) as *Pentamyia* sp. and described by VILLENEUVE in FREY (1936: 146).

Distr.: Endemic.

Tenerife: La Laguna, 1♂, and Güimar, 1♀ (BECKER as *Pentamyia* sp., redetermined by HERTING); — Las Mercedes, 3. VII. 1931, 1♀ (R.Fr., syntype), 20. V. 1951, 1♂ (J.M.F.); — Las Cañadas, 13. VI. 1976, 1♂ (M.B.); — Monte de Los Silos 17. VI. 1976, 3♂♂, 17. IX. 1985, 1♀ (M.B.); — Puerto de la Cruz, 1. V. 1981, 1♀ (M.B.); — Las Rosas, 11. VII. 1982, 1♂ (M.B.); — Barranco del Agua, 22. VI. 1984, 1♀, 28. V. 1985, 1♀ (M.B.); — Vueltas de Taganana, 13. VII. 1984, 1♂ (M.B.).

Gomera: Cumbre, 12. VIII. 1931, 1♂ (R.Fr., syntype); — Mora de Gaspar, 2. VIII. 1977, 1♂ (M.B.); — El Jardín, 12. VIII. 1977, 2♀♀ (M.B.); — Cañada de Jorge, 12. VIII. 1977, 1♀ (M.B.); — Los Infantes, 21. VIII. 1977, 1♂ (M.B.); — Fuensanta, 10. IX. 1977, 1♀ (M.B.).

Hierro: La Lajura, 28. V. 1976, 1♀ (M.B.).

Fuerteventura: Tindaya, 16. II. 1977, 1♂ (M.B.); — La Matilla, 17. II. 1977, 1♀ (M.B.); — La Asomada, 21. II. 1980, 1♀ (M.B.); — Tetir, 21. II. 1980, 1♀ (M.B.); — La Oliva, 5. III. 1984, 1♀ (M.B.).

Lanzarote: Los Valles, 20. II. 1979, 1♂, 1♀ (M.B.).

Pales cyanea Macquart

Described by MACQUART (1839: 111) as *Eurygaster cyaneus* n. sp. from the Canary Islands without further dates, and by BIGOT (1891: 277) as *Phorocera aeneiventris* n. sp.

Recorded by BECKER (1908: 114) as *Phorocera cyanea* Macq.

Distr.: Endemic.

Tenerife: Barranco de Santo Domingo near La Laguna, 31. V. 1890, 1♀ (Ch. ALLUAUD, holotype of *P. aeneiventris* Bigot); — La Orotava, V. 1904 (BECKER l.c.); — La Laguna, 2. VII. 1931 (R.Fr.); — Tacoronte, 9. VII. 1931 (R.St.); — Las Lagunetas, 12. V. 1973, 1♀ (M.B.); — La Cuesta, 25. X. 1975, 1♀ (M.B.); — Los Rodeos, 30. III. 1980, 1♂ (M.B.); — Barranco del

Infierno, 21. III. 1984, 2♂♂, (H.P.T.); — Conde de Arona, 24.—25. III. 1984, 5♂♂, 2♀♀ (H.P.T.); — Monte de Los Silos, 5. V. 1984, 1♀ (M.B.).
 Gomera: El Cedro, 3. VIII. 1977, 1♂ (M.B.); — Garajonay, 3. VIII. 1977, 1♀ (M.B.); — Tecina, 28. III. 1978, 1♂ (M.B.).
 La Palma: Dehesa, 11. III. 1934, 1♂, 1. IV. 1934, 1♂ (E. SANTOS RODRIGUEZ).

Elodia atricans Herting

Described in the genus *Clemelis* (HERTING 1975: 4, Israel), but correctly placed in *Elodia*. New record for the Canary Is.

Distr.: Found in Palestine and Turkey.

Fuerteventura: Joró, 19. II. 1980, 1♂ (M.B.).
 Lanzarote: Tinajo, 19. III. 1985, 1♂ (M.B.).

Gonia atra Meigen

New record for the Canary Is.

Distr.: Mediterranean and Central Asia.

Lanzarote: Haría, 20. III. 1985, 5♂♂ (M.B.).

Gonia bimaculata Wiedemann

Recorded by BECKER (1908: 116) as *G. cilipeda* Rondani and by FREY (1936: 144) as *G. bimaculata* Wied. The so-called ♀♀ of *Gonia capitata* DeGeer of MACQUART (1839: 111, misident.) are likely to be this species. The subsp. *cabrerae* Mesnil (in LINDNER, p. 523, 1♂ from Hierro) is a slightly aberrant individual specimen.

Distr.: Mediterranean and Central Asia (to China), also tropical Africa.

Tenerife: no date (BECKER, l.c.); — La Laguna, VII. 1931 (R.Fr. & R.St.); — Tacoronte, VII. 1931 (R.Fr. & R.St.); — Agua Garcia, VII. 1931 (R.St.); — Icod de los Vinos, 20. VII. 1931 (R.Fr.); — Güimar, VIII. 1931 (R.Fr. & R.St.); — Las Mercedes, 17. VIII. 1931 (R.St.); — Pino de Oro, 5. III. 1963, 4♂♂ (J.M.F.); — El Médano, 21. IV. 1963, 4♂♂ 1♀ (J.M.F.); — Guamasa, 7. VII. 1963, 1♂ (J.M.F.); — Fasnía, 17. IX. 1972, 1♂ (M.B.); — La Cuesta, 24. IX. 1972, 1♀, 2. X. 1972, 2♀♀, 13. V. 1973, 1♀ (M.B.); — Las Lagunetas, 7. XI. 1972, 1♂ (M.B.); — Valle Tabares, 20. IV. 1973, 1♀ (M.B.); — Santa Cruz, 1. III. 1982, 1♀ (M.B.); — Conde de Arona, 25. III. 1984, 1♀ (H.P.T.); — Barranco de Masca, 27. III. 1984, 1♀ (H.P.T.).

Gran Canaria: no date (BECKER, l.c.); — Tafira, VI. 1931 (R.Fr. & R.St.); — Las Lagunetas, VI. 1931 (R.Fr.); — Moya, VIII. 1931 (R.St.); — Confital, 15. V. 1959, 1♀ (J.M.F.); — Maspalomas, 6.—12. IV. 1973, 1♂ (H. WOLF).

La Palma: no date (BECKER, l.c.); — La Caldera, 7. VIII. 1931 (R.St.); — Los Llanos, 22. XI. 1974 1♀ (M.B.).

Hierro: no loc., VIII. 1905, 1♂ (CABRERA Y DIAZ, holotype of ssp. *cabrerae* Mesnil).

Fuerteventura: Chilegua, 6. V. 1951 (H.L.).

Lanzarote: Yaiza, 19. III. 1985, 1♀ (M.B.); — Haría, 20. III. 1985, 1♀ (M.B.).

Gonia ornata quadrisetosa Becker

Described by BECKER (1908: 116) as *G. quadrisetosa* n. sp.

Distr.: The subspecies is endemic, *G. ornata* Meigen is widespread in Europe, the Near East, Central Asia and southern Siberia.

Tenerife: no date, 1♂, 1♀ (BECKER l.c., syntypes); — Las Cañadas, 1. V. 1962, 1♂, 26. III. 1954, 2♂♂ (J.M.F.), 22. V. 1973, 1♀, 22. III. 1977, 1♂, 23. IV. 1978, 2♂♂, 30. IV. 1978, 1♀ (M.B.); — La Orotava, 11. II. 1979, 1♀ (M.B.); — Izaña, 30. I. 1982, 1♀ (M.B.); — Barranco del Rio, 24. III. 1983, 1♀ (M.B.).

Gonia umbripennis Herting

Described by HERTING (1958: 6).

Distr.: Found also in Palestine.

Fuerteventura: La Oliva, 7. V. 1974, 1♀ (M.B.); — Betancuria, 12. II. 1977, 1♂ (M.B.); — Jandía, 14. II. 1977, 2♀♀ (M.B.); — La Matilla, 21. II. 1980, 1♂ 1♀ (M.B.); — Tetir, 21. II. 1980, 1♂ (M.B.).

Lanzarote: Atalaya, 25. III. 1949, 1♂ (holotype, H.L.); — Los Valles, 20. II. 1979, 2♂♂ (M.B.); — Yaiza, 22. II. 1979, 1♀ (M.B.); — Teguisse, 23. II. 1979, 1♂ (M.B.); — Haría, 20. III. 1985, 2♀♀ (M.B.).

Pseudogonia fasciata Wiedemann

Recorded by MACQUART (1839: 111) as *Gonia capitata* DeGeer (in part, the so-called ♂♂, misident.), by BIGOT (1891: 276) as *Gonia fasciata* Meigen (misident.), by BECKER (1908: 117) and FREY (1936: 144) as *P. fasciata* Wied.

Distr.: South Africa, Zimbabwe and Canary Islands.

Tenerife: no date (BECKER l.c.); — Tacoronte, VII. 1931 (R.St.); — Aguamansa, 17. VII. 1931 (R.Fr. & R.St.); — Güimar, 12. I. 1949 (H.L.); — Santa Cruz, 14. I. 1949 (H.L.); — San Andrés, 8. II. 1959, 1♀ (J.M.F.), 16. I. 1977, 1♀ (M.B.); — Las Mercedes, 15. VIII. 1963 (J.M.F.); — Monte Aguirre, 29. I. 1967, 1♀ (J.M.F.), 10. X. 1984, 1♀ (M.B.); — Las Lagunetas, 7. XI. 1972, 1♂ (M.B.); — Las Cañadas, 29. VI. 1973, 1♂, 1. X. 1973, 1♂, 28. V. 1978, 1♂ (M.B.); — Anaga, 15. VIII. 1973, 1♂ (J.M.F.); — La Cuesta, 7. VI. 1974, 1♀, 19. II. 1975, 1♀ (M.B.); — Vilaflor, 14. IX. 1974, 1♂ (J.M.F.); — Maria Jimenez, 2. III. 1975, 1♀ (M.B.); — Tamaimo, 7. V. 1976, 1♂ (M.B.); — Barranco Gambuesa, 17. X. 1976, 1♀ (M.B.); — Santa Ursula, 1. VII. 1979, 1♀ (M.B.); — El Bailadero, 6. III. 1981, 1♂ (M.B.); — Barranco del Rio, 24. III. 1983, 1♂ (M.B.); — El Médano, 19. III. 1984, 1♂, 5♀♀ (H.P.T.); — Conde de Arona, 24.—25. III. 1984, 4♂♂, 3♀♀ (H.P.T.); — Barranco del Agua, 22. IV. 1984, 1♂, 1♀ (M.B.); — Barranco San Andrés, 9. III. 1985, 1♀ (M.B.).

Gran Canaria: no date (BECKER l.c.); — Tafira, 15. II. 1890 (C. ALLUAUD, see BIGOT 1891: 276), 28. VI. 1931 (R.St.); — Los Lagunetas, 26. VI. and 22. VIII. 1931 (R.Fr. & R.St.); — Maspalomas, 8. VI. 1963, 1♀ (J.M.F.), 6.—18. IV. 1976, 1♂, 2♀♀ (H.WOLF); — Bandama, 8. III. 1977, 2♂♂ (M.B.).

Gomera: Raso de la Bruma, 1. VIII. 1977, 1♂ (M.B.); — Agando, 15. VIII. 1977, 1♂, 2♀♀ (M.B.); — Laguna Grande, 16. VIII. 1977, 3♂♂ (M.B.); — Valle Gran Rey, 19. VIII. 1977, 1♀ (M.B.); — Bailadero, 21. VIII. 1977, 1♀ (M.B.); — Barranco del Carmen, 14. IX. 1977, 1♀ (M.B.); — Vallehermoso, 19. IX. 1977, 1♂ (M.B.); — Tecina, 28. III. 1978, 1♀ (M.B.).

La Palma: no date (BECKER l.c.); — La Caldera, 7. VIII. 1931 (R.St.); — Los Tilos, 25. IX. 1975, 1♀ (M.B.).

Tachina canariensis Macquart

Described by MACQUART (1839: 110) as *Echinomyia canariensis* n. sp. from the Canary Islands (without further dates), and recorded by BECKER (1908: 126) as *T. canariensis* Macq.

Distr.: The typical subspecies is endemic, *T. canariensis casta* Rondani occurs in southern France, Italy, Dalmatia and Transcaucasia.

Tenerife: no date (BECKER l.c.); — La Orotava, 27. III. 1974, 1 ♀ (M.B.); — Realejo Alto, 31. V. 1975, 1 ♀ (M.B.); — Tamaimo, 3. V. 1976, 2 ♂♂, 1 ♀ (M.B.); — Pico del Inglés, 3. IV. 1977, 1 ♂; — Las Cañadas, 5. VI. 1980, 5 ♀♀ (M.B.); — Mamio, 29. VIII. 1978, 1 ♀ (M.B.); — Barranco del Infierno, 21.—23. III. 1984, 5 ♂♂, 13 ♀♀ (H.P.T.); — Conde de Arona, 24. III. 1984, 5 ♂♂ (H.P.T.); — Puerto de Erjos, 16. X. 1984, 4 ♂♂ (M.B.).

Gran Canaria: no date (BECKER l.c.).

Gomera: Laguna Grande, VIII. 1973, 2 ♀♀ (M.B.); — Hermigua, 12. IV. 1975, 3 ♂♂ (M.B.), 4. IV. 1977, 1 ♂, 1 ♀ (P. OROMÍ); — Agando, 15. VIII. 1977, 1 ♀ (M.B.).

La Palma: no date (BECKER l.c.); — Los Llanos, 22. XI. 1961, 1 ♀ (J.M.F.); — El Time, 6. IV. 1976, 1 ♂, 1 ♀ (J.M.F.); — El Charco, 28. V. 1976 (P.J.C.); — Cumbre Nueva W slope, 28. V. 1976 (P.J.C.); — Puntagorda, 30. V. 1976 (P.J.C.); — Garafía, 17. V. 1983, 10 ♀♀ (M.B.); — La Galga, 17. V. 1983, 1 ♀ (M.B.).

Hierro: Monte del Golfo, 28. V. 1976, 1 ♀ (M.B.); — Jinamar, 28.—30. V. 1976, 1 ♂, 2 ♀♀ (M.B.); — El Sabinar, 29. V. 1976, 1 ♀ (M.B.); — Echedo, 29. I. 1978, 2 ♂♂ (M.B.); — Frontera, 1. II. 1978, 3 ♂♂ (M.B.).

Peleteria ruficornis Macquart

Recorded by BECKER (1908: 127) as *Cyphocera ruficornis* Macq.

Distr.: Mediterranean, tropical Africa, Near East (to Kazakhstan).

Tenerife: no date (BECKER l.c.); — Fasnía, 17. IX. 1972, 1 ♂ (M.B.); — Las Galletas, 28. XII. 1973, 1 ♀ (M.B.); — Tabaiba, I. 1981, 1 ♂ (M.B.); — El Médano, 19. III. 1984, 1 ♂, 3 ♀♀ (H.P.T.).

Gran Canaria: Tejeda, 18. IX. 1976, 1 ♂ (M.B.).

Linnaemyia soror Zimin

Recorded by BECKER (1908: 127) as *Micropalpus comptus* Fallén (misident.). The so-called *Thriptocera sorbillans* Wiedemann of MACQUART (1839: 110) is, judging from the description, probably also this species (misident.).

Distr.: Mediterranean, Near East, Central Asia, southern Siberia.

Tenerife: no date (BECKER l.c.); — Las Cañadas, 17. IV. 1963, 1 ♀, 18. VIII. 1963, 1 ♂, 1 ♀, 12. VI. 1964, 1 ♀ (J.M.F.); 2. IX. 1973, 1 ♂ (M.B.); — Araya de Candelaria, 18. XI. 1979, 1 ♂ (M.B.); — Izana, 26. VIII. 1981, 1 ♂ (M.B.); — Barranco del Río, 24. III. 1983, 1 ♀ (M.B.); — Barranco del Infierno, 21. III. 1984, 1 ♀ (H.P.T.); — Conde de Arona, 24. III. 1984, 1 ♂ (H.P.T.).

Gran Canaria: Las Lagunetas, 1. IV. 1949, 3 ♂♂ (H.L.); — Bandama, 8. III. 1977, 1 ♂ (M.B.); — Inagua, 25. II. 1982, 2 ♂♂ (M.B.); — Presa Las Niñas, 30. III. 1983, 1 ♂ (M.B.).

Gomera: Agando, 15. VIII. 1977, 1 ♀ (M.B.); — El Paso, 16. VIII. 1977, 1 ♂ (M.B.); — Bailadero, 21. VIII. 1977, 1 ♀ (M.B.); — Tecina, 28. III. 1978, 1 ♂ (M.B.).

La Palma: no date (BECKER l.c.).

Hierro: Jinamar, 28. V. 1976, 1 ♀ (M.B.); — Frontera, 30. V. 1976, 1 ♂ (M.B.).

Fuerteventura: Betancuria, 12. V. 1974, 1 ♂ (M.B.).

Lanzarote: Yaiza, 19. III. 1985, 1 ♀ (M.B.); — Haría, 20. III. 1985, 1 ♀ (M.B.); — Orzola, 22. III. 1985, 1 ♀ (M.B.).

Macquartia tessellum Meigen

Described by MACQUART (1839: 112) from the Canary Islands (no further dates) as *Tachina brevicornis* n. sp. Recorded by BECKER (1908: 119, 126), the ♂ as *Macroprosopa brevicornis* Macquart, the ♀ as *Macquartia oclusa* Rondani.

Distr.: Warmer parts of Europe, North Africa, Near East, Central Asia.

Tenerife: no date (BECKER l.c.); — Las Mercedes, 3. VII. 1931 (R.St.), 10. VII. 1931 (R.Fr.), 24. IV. 1980, 1♂ (M.B.); — Santa Cruz, 28. III. 1954, 2♂♂ (J.M.F.); — Barranco de San Andrés, 13. I. 1963, 1♂ (J.M.F.), 16. I. 1977, 1♂ (M.B.); — Las Canteras, 8. V. 1964, 2♂♂ (E. LINDNER); — Valle Tabares, 3. V. 1973, 1♂ (M.B.); — El Socorro, 1. XII. 1973, 1♂ (M.B.); — El Cantillo, 28. I. 1974, 1♂ (M.B.); — Anaga, 25. V. 1974, 2♂♂ (M.B.); — María Jimenez, 2. III. 1975, 1♂ (M.B.); — Barranco del Agua, 9. IV. 1978, 1♂, 22. VI. 1984, 1♂ (M.B.); — Monte de Pedro Alvarez, 14. VI. 1981, 1♂ (M.B.); — Monte Aguirre, 10. X. 1984, 1♂ (M.B.); — Santa Ursula, 12. II. 1985, 1♂ (M.B.).
La Palma: no date (BECKER l.c.).
Hierro: Echedo, 29. I. 1978, 3♂♂ (M.B.).

Trichactia nubilinervis Becker

Described by BECKER (1908: 118) as *Trichaeta nubilinervis* n. gen., n. sp.

Distr.: Endemic.

Tenerife: La Orotava, V. 1901 or 1904, 1♀ (BECKER l.c., holotype); — no date, ♂♀ (CABRERA Y DIAZ, cited by MESNIL in LINDNER, p. 1223); — El Bailadero, 23. III. 1964, 1♀ (J.M.F.).
Hierro: Valverde, 26. V. 1976, 1♂ (M.B.).

Phytomyptera gracilariae Hering

Recorded by FREY (1936: 144) as *P. nigrina* Meigen (misident.).

Distr.: Switzerland and southern Germany, probably more widespread.

Tenerife: Tacoronte, 30. VII. 1931, 1♀ (R.Fr.).

Phytomyptera sp.

The specimen recalls *P. stackelbergi* Mesnil because of its large parafacials and bands of white pruinosity on the abdominal tergites, but differs in other respects.

Tenerife: El Bailadero, 13. III. 1984, 1♀ (M.B.).

Siphona confusa Mesnil

New record for the Canary Is.

Distr.: Europe, Near East, southern Siberia, Mongolia, with preference to dry localities.

Fuerteventura: Tarajalejo, 14. II. 1977, 7♀♀, 19. II. 1980, 2♀♀ (M.B.); — La Matilla, 17. II. 1977, 1♀ (M.B.); — La Oliva, 18. II. 1980, 1♀ (M.B.); — Vega de Río Palmas, 20. II. 1980, 1♂ (M.B.); — La Asomada, 21. II. 1980, 3♂♂, 1♀ (M.B.); — Vallebrón, 21. II. 1980, 1♀ (M.B.); — Tetir, 21. II. 1980, 1♀ (M.B.).

Siphona seyrigi Mesnil

Recorded by BECKER (1908: 119) as *S. cristata* Fabricius (misident.) and by FREY (1936: 144) as *Bucentes cristatus* Fabricius (misident.). The specimens from both collections have been redetermined by HERTING. *S. seyrigi* was described by MESNIL (1960: 189) from Tenerife.

Distr.: Endemic.

Tenerife: 1901 or 1904, 1♂, 2♀♀ (BECKER, l.c.); — Tacoronte, VII. 1931, 1♂ (R.St.); — Aguamansa, VII. 1931, 2♀♀ (R.St.), 5. IV. 1973, 2♀♀ (P.J.C. & C.H.J.); — Monte Aguirre, IX. 1935 (A. SEYRIG, holotype), 11. VI. 1985, 1♀ (M.B.); — Barranco Bufadero, 9. III. 1947, 1♂ (J.M.F.); — Las Mercedes, 5. IX. 1965, 1♀ (J.M.F.), 30. IX. 1973, 1♂, 1♀, 10. VI. 1974, 1♀, 3. VII. 1974, 1♀ 18. II. 1984, 1♀ (M.B.); — La Cuesta, 1. IV. 1973, 2♂♂, 1♀ (M.B.); — Santiago del Teide, 2. IV. 1973, 1♀ (P.J.C. & C.H.J.); — La Laguna, 26. IV. 1973, 1♂ (M.B.); — Las Lagunetas, 2. V. 1973, 3♂♂ (M.B.); — El Socorro, 1. XII. 1973, 1♀ (M.B.); — María Jimenez, 2. III. 1975, 1♂ (M.B.); — Barranco de Anavingo, 9. III. 1975, 1♀ (M.B.); — Barranco de Badajoz, 27. III. 1975, 1♀ (M.B.); — Bajamar, 3. II. 1980, 2♂♂, 1♀ (M.B.); — Los Rodeos, 30. III. 1980, 1♂, 1♀ (M.B.); — Agua García, 8. II. 1981, 2♂♂, 2. VIII. 1981, 1♀ (M.B.); — El Bailadero, 6. III. 1981, 1♀ (M.B.); — El Batán, 13. III. 1981, 1♀ (M.B.); — Altos de Arafo, 21. VII. 1981, 1♀ (M.B.); — Barranco de las Huertas, 20.—22. III. 1984, 8♂♂, 4♀♀ (H.P.T.); — Barranco del Infierno, 21. III. 1984, 1♂ (H.P.T.); — Conde de Arona, 24. III. 1984, 1♀ (H.P.T.); — Monte de Los Silos, 5. IV. 1984, 1♀ (M.B.); — Vueltas de Taganara, 13. VII. 1984, 2♂♂, 1♀, 4. VI. 1985, 1♀ (M.B.); — Palo Blanco, 27. IX. 1984, 3♀♀, 15. V. 1985, 1♂, 1♀ (M.B.); — Cumbre de Erjos, 30. IV. 1985, 1♂ (M.B.); — Barranco del Agua, 18. V. 1985, 1♂ (M.B.); — Ijuana, 8. XI. 1985, 1♂, 1♀ (M.B.).

Gran Canaria: Las Lagunetas, 26. VI. 1931, 1♀ (R.St.); — Bandama, 8. III. 1977, 1♂, 1♀ (M.B.); — Tafira Alta, 8. III. 1977, 1♂, 1♀ (M.B.); — Brezal de Moya, 10. III. 1977, 1♂ (M.B.); — Teror, 31. III. 1983, 1♂ (M.B.).

Gomera: Cumbre, VIII. 1931, 2♂♂, 2♀♀ (R.Fr. & R.St.); — Hermigua, VIII. 1931, 1♂ (R.St.); — Raso de la Bruma, 1. VIII. 1977, 1♀ (M.B.); — Cañada de Jorge, 12. VIII. 1977, 2♀♀ (M.B.); — Apartacaminos, 13. VIII. 1977, 2♀♀ (M.B.); — Las Cuadernas, 16. VIII. 1977, 1♀ (M.B.); — Mora de Gaspar, 12. IX. 1977, 2♂♂, 1♀ (M.B.); — Los Gallos, 14. IX. 1977, 1♀ (M.B.); — Agua de Los Llanos, 15. IX. 1977, 1♀ (M.B.).

La Palma: La Caldera, VIII. 1931, 1♂ (R.St.); — Barlovento, 27. V. 1976, 1♂, 4♀♀ (P.J.C.), 19. V. 1983, 1♀ (M.B.); — La Cumbrecita, 29. V. 1976, 1♂ (P.J.C.); — Las Indias, 26. V. 1976, 1♂ (P.J.C.); — Eastern slope Montaña del Fuego, 26. V. 1976, 2♀♀ (P.J.C.); — Monte La Luna, 26. V. 1976, 1♂ (P.J.C.); — La Galga, 17. V. 1983, 1♀ (M.B.).

Mintho compressa Fabricius

Recorded by ENDERLEIN (1929: 102) as *M. praeceps* Scopoli.

Distr.: Mediterranean and Middle East.

Fuerteventura: no locality, III. 1926 (M. HERING, cited by ENDERLEIN l.c.); — Gran Tarajal, 24. IV. 1928 (G. ENDERLEIN); — Corralejo, 24. II. 1973, 1♀ (M.B.); — Tetir, 13. V. 1974, 1♂, 21. II. 1980, 1♂ (M.B.); — La Asomada, 21. II. 1980, 1♂ (M.B.).

Lanzarote: Haría, 20. and 23. II. 1979, 6♂♂ (M.B.).

Estheria simonyi Brauer & Bergenstamm

Described by BRAUER & BERGENSTAMM (1891: 370) in the American genus *Mochlosoma*, but MESNIL has now placed it in *Estheria* (pers. comm.). It is not closely related to American species.

Distr.: Endemic.

Tenerife: Barranco de Hidalgo S of Orotava, and Montaña de San Andrés, no date (syntypes, BRAUER & BERGENSTAMM l.c.); — Güímar, III. 1901 (BECKER 1908: 126); — Adeje, 21. I. 1949 (H.L.); — Bermeja, 9. V. 1965, 2♂♂, 1♀ (J.M.F.); — Santiago del Teide, 2. IV. 1973, 2♂♂ (P.J.C. & C.H.J.); — Los Gigantes, 1. V. 1976, 2♀♀ (M.B.); — Tamaimo, 3. V. 1976, 1♂, 3♀♀ (M.B.); — Las Cañadas, 23. V. 1976, 3♂♂, 1♀, 13. VII. 1976, 2♂♂, 28. V. 1978, 1♂, 5. VI. 1980, 3♀♀ (M.B.); — Teno, 30. IV. 1980, 1♀ (G. DIONIS); — Malpaís de Güímar, 10. I. 1981, 17♂♂, 4♀♀ (M.B.), 16. III. 1984, 7♂♂, 9♀♀ (H.P.T.); — Barranco del Infierno, 21. III. 1984, 1♂ (H.P.T.); — Barranco des las Huertas, 22. III. 1984, 1♂ (H.P.T.); — Conde de Arona, 25. III. 1984, 1♂ (H.P.T.).

Gran Canaria: Fataga, 9. II. 1977, 2♂♂, 1♀ (M.B.).

La Palma: Barranco de las Angustias, VII. 1905, 1♂, 1♀ (E. SANTOS-ABREU); — Litoral de Tegalate, no date, 1♀ (E. SANTOS-ABREU).
 Hierro: La Lajura, 26. V. 1976, 1♂, 1♀ (M.B.); — El Sabinar, 29. V. 1976, 2♂♂, 4♀♀ (M.B.).

Zeuxia aberrans Loew

Recorded by FREY (1936: 143) as *Z. nigripes* Macquart.

Distr.: Mediterranean, Near East and Central Asia.

Tenerife: San Andrés, 31. III. 1973, 1♀ (M.B.); — Bajamar, 8. XII. 1973, 1♀ (M.B.); — Icod, 12. IV. 1976, 2♂♂, 5♀♀ (M.B.); — Tamaimo, 3. V. 1976, 1♂ (M.B.); — Barranco de las Huertas, 20. III. 1984, 1♂ (H.P.T.); — Conde de Arona, 24. III. 1984, 1♂ (H.P.T.).

Gomera: Agulo, 2. I. 1975, reared from *Stenidea albida* Brullé (Col. Cerambycidae), 1♂, 1♀ (C. v. DEMELT).

Hierro: Puerto Estaca, 10. VIII. 1931 (R.St.).

Fuerteventura: Vega de Rio Palmas, 12. II. 1977, 1♂ (M.B.); — La Oliva 13. II. 1977, 3♂♂, 2♀♀ (M.B.); — Puerto de la Pena, 20. II. 1980, 1♂ (M.B.); — La Asomada, 21. II. 1980, 1♂, 1♀ (M.B.); — Vallebrón, 5.—7. III. 1984, 5♂♂, 8♀♀ (G. ORTEGA).

Lanzarote: Uga, 19. III. 1985, 2♂♂, 1♀ (M.B.).

Campylochaeta inepta Meigen

New record for the Canary Is.

Distr.: Europe, Transcaucasia, southern Siberia.

In the Canarian specimens the tibiae are more yellow and the parafacialia are narrower, but the ♂ genitalia are identical with *C. inepta*.

Tenerife: El Moquinal, 17. V. 1981, 1♀ (M.B.); — Zapata, 12. XI. 1985, 1♂ (M.B.).

La Palma: El Paso, 1. V. 1973, 1♀, 21. V. 1983, 1♀ (M.B.).

Hierro: El Julan, 31. I. 1978, 1♀ (M.B.).

Ramonda prunicia Herting

New record for the Canary Is.

Distr.: Spain, southern Switzerland, Israel, Mongolia, Sakhalin.

La Palma: Barranco del Agua, 6. IX. 1971, 1♂ (A. MACHADO).

Wagneria albifrons Kugler

New record for the Canary Is.

Distr.: Found also in Palestine and Greece.

Tenerife: Aguamansa, 19. I. 1975, 1♀, 11. IV. 1976, 1♂ (M.B.); — Barranco del Agua, 9. II. 1984, 2♂♂, 3♀♀ (M.B.).

Gran Canaria: Guayadeque, 28. XII. 1980, 1♂, 1♀ (M.B.).

Hypovoria hilaris Villeneuve

New record for the Canary Is.

Distr.: North Africa, Palestine, Transcaucasia, Central Asia.

Tenerife: Conde de Arona, 25. III. 1984, 1♀ (H.P.T.).

Fuerteventura: Tetir, 18. II. 1980, 1♂ (M.B.); — Vega de Rio Palmas, 20. II. 1980, 1♀

(M.B.); — Villaverde, 21. II. 1980, 1 ♀ (G. ORTEGA); — Vallebron, 7. III. 1984, 2 ♂♂, 2 ♀♀ (M.B.).

Rondania insularis Bigot

Described by BIGOT (1891: 278) in the genus *Phania*. Recorded by BECKER (1908: 119) and FREY (1936: 139) as *R. dimidiata* Meigen (misident.) The specimens from both collections were redetermined by HERTING.

Distr.: Endemic.

Tenerife: La Laguna, IV. 1901, ♂ ♀ (BECKER); — Las Cañadas, 23. VII. 1931, 1 ♂, 2 ♀♀ (R.Fr. & R.St.); — Las Mercedes, VI. and VIII. 1931, 2 ♂♂, 1 ♀ (R.Fr.), 20.III. 1984, 2 ♂♂, 2 ♀♀ (H.P.T.); — Valle Tabares, 3. V. 1973, 2 ♂♂ (M.B.); — Monte del Agua, 24. VIII. 1973, 1 ♂ (M.B.); — Monte Aguirre, 19. XII. 1973, 1 ♂, 10. X. 1984, 1 ♀ (M.B.); — Cumbre del Realejo Bajo, 10. VI. 1974, 1 ♀ (M.B.); — Teno, 15. VI. 1974, 1 ♂ (M.B.); — El Batán, 13. III. 1981, 3 ♀♀ (M.B.); — Monte Pedro Alvarez, 14.VI. 1981, 1 ♀ (M.B.); — Monte de Santa Ursula, 11. II. 1984, 1 ♂ (M.B.); — Conde de Arona, 24.—25. III. 1984, 2 ♂♂ (H.P.T.); — Monte de Los Silos, 5. IV. 1984, 2 ♀♀, 17. IX. 1985, 1 ♂, 1 ♀ (M.B.); — Zapata, 5. II. 1985, 3 ♀♀, 2. III. 1985, 1 ♂, 1 ♀ (M.B.); — Punta del Hidalgo, 27. III. 1985, 1 ♂ (M.B.); — Ladera de Güimar, 23. IV. 1985, 1 ♂ (M.B.); — Ijuana, 7. VI. 1985, 1 ♀ (M.B.).

Gran Canaria: Montaña de Tafira, 23. XI. 1889, 1 ♀ (holotype, CH. ALLUAUD).

Gomera: Fuensanta, 10. IX. 1977, 1 ♂ (M.B.).

La Palma: Barranco La Galga, 27. I. 1975, 1 ♀ (M.B.).

Gymnosoma clavata Rohdendorf or *brachypeltae* Dupuis

Recorded by ENDERLEIN (1929: 102) as *G. rotundata* Linnaeus (misident.).

Lanzarote: Haría, 29. IV. 1928, 1 ♀ (G. ENDERLEIN, redetermined by HERTING), 24. IV. 1977, 1 ♂ (M.B.).

Phasia (Hyalomyia) pusilla Meigen

Recorded by CHANDLER (1979: 119). Identification confirmed by HERTING.

Distr.: Palearctic (Britain to Japan).

La Palma: Barranco de las Nieves, 1. VI. 1976, 2 ♂♂ (P.J.C.).

Phasia (Hyalomyia) theodori Draber

New record for the Canary Is.

Distr.: Southern Spain, North Africa, Greece, Palestine.

Fuerteventura: Vega de Rio Palma, 20. II. 1980, 1 ♂ (M.B.).

Eulabidogaster setifacies Rondani

Recorded by BECKER (1908: 127).

Distr.: Warmer parts of Europe, Near East, Central Asia, southern Siberia.

La Palma: IV. 1901 or 1904 (BECKER l.c., specimen not revised).

Leucostoma crassa Kugler

Recorded by BECKER (1908: 127) as *Psalida simplex* Fallén (misident., redetermined by HERTING) and probably also as *P. analis* Meigen (misident., specimens not revised).

Distr.: Mediterranean (to SW Germany) and Near East.

Tenerife: no date, 1 ♀ and 1 fatty ♂ (BECKER l.c. as *P. simplex*); — Valle Tabares, 16. X. 1972, 1 ♂ (M.B.); — San Andrés, 31. III. 1973, 1 ♂ (M.B.); — Conde de Arona, 25. III. 1984, 1 ♀ (H.P.T.).

Leucostoma engeddense Kugler

New record for the Canary Is.

Distr.: Southern Spain, Algerian Sahara, Israel.

Fuerteventura: Puerto de la Peña, 20. II. 1980, 1 ♂, 1 ♀ (M.B.).

Leucostoma obsidiana Wiedemann

New record for the Canary Is.

Distr.: Palestine, Malta, Sudan.

Fuerteventura: La Asomada, 21. II. 1980, 2 ♂ ♂ (M.B.).

Lanzarote: Yaiza, 22. II. 1979, 1 ♂ (M.B.).

Weberia digramma Meigen

Recorded by BECKER (1908: 127) as *Lepidosyntoma lucidifrons* n. sp. (♀) and *Labidogaster nitidula* Meigen (misident., ♂).

Distr.: Mediterranean and Central Asia.

Tenerife: V. 1901 or 1904, 2 ♀ ♀ (BECKER, syntypes of *L. lucidifrons*); — Conde de Arona, 24.—25. III. 1984, 12 ♂ ♂, 8 ♀ ♀ (H.P.T.).

Gran Canaria: no date, 1 ♂ (BECKER l.c., as *L. nitidula* Meigen).

Cylindromyia brassicaria Fabricius

Recorded by BECKER (1908: 127) as *Ocyptera brassicaria* Fabr.

Distr.: Palearctic (from Ireland and Madeira to Japan).

Tenerife: Santa Cruz, III. 1901, 1 ♂ (BECKER l.c.); — Las Cañadas, 20. X. 1968, 1 ♂ (J.M.F.); — Puerto de la Cruz, 4. VI. 1978, 1 ♂ (M.B.); — Altos de Arafo, 21. VII. 1981, 4 ♂ ♂ (M.B.).

Phania albisquama Villeneuve

New record for the Canary Is.

Distr.: Southern France, Spain, Yugoslavia, Israel.

Lanzarote: Uga, 22. II. 1979, 11 ♂ ♂, 1 ♀ (M.B.); — El Tablero, 21. III. 1985, 8 ♂ ♂, 2 ♀ ♀ (M.B.).

3. Literature

- BECKER, TH. (1908): Dipteren der Kanarischen Inseln. — Mitt. zool. Mus. Berl. 4: 1—180; Berlin.
- BIGOT, J. M. (1891): Voyage de M. CH. ALLUAUD aux îles Canaries. Diptères. — Bull. Soc. zool. Fr. 16: 275—279; Paris.
- BRAUER, F. & J. E. v. BERGENSTAMM, (1891): Die Zweiflügler des Kaiserlichen Museums zu Wien. V. Vorarbeiten zu einer Monographie der Muscaria schizometopa (exclusive Anthomyiidae). Pars. II. — Denkschr. Akad. Wiss. Wien, math.-nat. Cl. 58: 305—446; Wien.
- CHANDLER, P. J. (1979): Flies, bees and butterflies on La Palma, Canary Islands in 1976. — Entomologist's Rec. 91: 103—107, 117—121; London.
- CROSSKEY, R. W. (1967): A revision of the Oriental species of *Palexorista* Townsend (Diptera: Tachinidae, Sturmiini). — Bull. Br. Mus. nat. Hist. (Ent.) 21: 35—97; London.
- ENDERLEIN, G. (1929): Entomologica Canaria. IV. — Wien. ent. Ztg. 46: 95—109; Wien.
- (1930): Entomologica Canaria. VII. — Zool. Anz. 92: 41—56; Leipzig.
- FREY, R. (1936): Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. — Commentat. biol. 6 (1): 1—234; Helsingfors.
- HERTING, B. (1958): Tachiniden (Dipt.) von den Kapverdischen und Kanarischen Inseln. — Commentat. biol. 18 (7): 1—7; Helsingfors.
- (1975): Neue paläarktische Tachiniden (Diptera). — Stuttg. Beitr. Naturk. (A) 287: 1—7; Stuttgart.
- (1984): Catalogue of Palearctic Tachinidae (Diptera). — Stuttg. Beitr. Naturk. (A) 369: 1—228; Stuttgart.
- MACQUART, J. (1839): Diptères. — In: P. B. WEBB & S. BERTHELOT: Histoire naturelle des îles Canaries 2 (2): 97—119; Paris.
- MESNIL, L. P. (1944—1975): Larvaevorinae (Tachininae). — In: E. LINDNER (Hrsg.): Die Fliegen der paläarktischen Region, Teil 64g, 1435 pp.; Stuttgart.
- (1960): Note préliminaire sur les *Siphona* Meig. (Dipt., Tachinidae) d'Europe et du bassin méditerranéen. — Bull. Anns Soc. r. ent. Belg. 96: 187—192; Bruxelles.
- VILLENEUVE, J. (1936): In: R. FREY: Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. — Commentat. biol. 6 (1): 138—147; Helsingfors.
- WIEDEMANN, C. R. W. (1830): Ausseuropäische zweiflügelige Insekten. Band 2, 684 pp.; Hamm.

Authors' addresses:

Dr. MARCOS BÁEZ, Departamento de Zoología, Universidad de La Laguna, Tenerife, Islas Canarias; Dr. BENNO HERTING and Dr. HANS-PETER TSCHORSNIG, Staatliches Museum für Naturkunde (Museum am Löwentor), Rosenstein 1, D-7000 Stuttgart 1.