

MICROLEPIDOPTERA OF THE MADEIRA AND SELVAGEM ARCHIPELAGOS (INSECTA, LEPIDOPTERA)

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With 1 table

ABSTRACT. Result of the author's survey of the Microlepidoptera in Madeira and Porto Santo Islands and of the study of specimen of Selvagem Grande Island caught by the Zoological Expedition to Madeira and Selvagem Archipelagos.

A review is made of the list of Microlepidoptera species from the referred islands. From about 194 species known, 189 are recorded to Madeira islands. From those 189, the author has confirmed the existence, in the Madeira Island, of 97 species (from which 15 were new records). To Porto Santo Island about 43 species were known, and 32 of them were confirmed (from which 25 are new records). On the Selvagem Grande Island, 6 species are mentioned and all they are new records.

INTRODUCTION

From 1980 to 1982 the author did some entomological research, during several short periods of time, on the islands of Madeira and Porto Santo. The work done was mainly the catching of Lepidoptera.

As a result, two papers were published: "Macrolepidópteros nocturnos (Heteróceros) dos Arquipélagos da Madeira e das Selvagens (Insecta, Lepidoptera)" and "Macrolepidópteros da Ilha de Porto Santo" (CARVALHO, 1981, 83). The first of those papers includes, besides the results of the survey done by the author, the elements obtained by the study of specimen caught by the "Zoological Expedition to the Madeira and Selvagem Archipelagos" (QUARTAU, 1981).

The present paper continues the previous papers but centered on the Microlepidoptera.

The text shows a list of the studied species, data and synonymy, and information about species from Madeira, Porto Santo, Selvagem Grande, Azores and Canary Islands obtained from the consulted bibliography.

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As mentioned in those previous papers, the majority of the specimen were caught with a light trap, using a bulb with leadsteam inside, operated by a portable generator (CARVALHO, 1981, 82). But some specimen were collected when attracted to streetlights and occasionally in other places.

The presentation of families and species mentioned in the text follows the criteria established by VIVES MORENO (1991). The presented synonymy refers only to the authors who explicitly mentioned that the species were elements of the Lepidoptera fauna from the referred Atlantic Islands and also the Canary and Azores Islands.

To avoid repetitions, only the oldest synonymy of consulted authors was used exactly as they presented it.

The species considered new records for the Madeira, Porto Santo and Selvagem Grande Islands were marked with an (*). The used abbreviation were **Syn.** (synonymy); **Cit.** (citation) and **Rec.** (record).

List on the collected species

1. *Tenaga nigripunctella* (Haworth, 1828)

Syn. *Tinea nigripunctella* Hw.-Walsingham (1894); *Lichenovora nigripunctella* (Hw.)-Petersen & Gaedike (1979).

Cit. Madeira, Azores, Canaries (Walsingham, 1894; Rebel, 1939a, 1940-1949; Petersen & Gaedike, 1979; Klimesch, 1980; Carvalho, 1982).

Rec. *Porto Santo 18-IX-1980.

2. *Monopis laevigella* (Denis & Schiffermüller, 1775)

Rec. *Madeira: João Frino 9-VII-1980; Curral das Freiras 11-VI-1980.

3. *Monopis crocicapitella* (Clemens, 1859)

Cit. Madeira, Azores, Canaries (Walsingham, 1908; Rebel, 1910-1911, 1817, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Petersen & Gaedike, 1979; Klimesch, 1980; Carvalho, 1982).

Rec. Madeira: Fajã da Nogueira 6-VI-1980; João Frino 9-VI-1980; Santa 14-IX-1980.

4. *Trichophaga bipartitella* (Ragonot, 1892)

Syn. *Tinea abruptella*-Wollaston, 1858; *Tinea tapetzella*, Rbl; *Tinea bipartitella*, Rag; *Trichophaga abruptella*, Wlsth.-Walsingham, 1894; *Trichophaga tapetzella* Rbl. (nec.L.)-Rebel, 1917.

Cit. Madeira, Porto Santo, Azores, Canaries (Wollaston, 1858; 1908 Walsingham, 1894; Cockerell, 1923; Rebel, 1910-1911, 1917, 1939a, 1940-1949; Petersen & Gaedike, 1979; Klimesch, 1980; Carvalho, 1982).

Rec. Porto Santo 16, 19-IX-1980.

*Selvagem Grande 9-VI-1980.

5. *Tineola allutella* (Rebel, 1892)

Syn. *Phereoeca allutella* (Rebel, 1892)-Petersen & Gaedike, 1979.

Cit. Madeira, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1938, 1939a; Petersen & Gaedike, 1979; Klimesch, 1980).

Rec. *Porto Santo 9-X-1981.

6. *Tinea trinotella* Thunberg, 1794

Cit. Canaries (Petersen & Gaedike, 1979; Klimesch, 1980).

Rec. *Madeira: Queimadas 2-VI-1980; Fajã da Nogueira 16-VIII-1980.

7. *Oinophila v-flava* (Haworth, 1828)

Syn. *Oinophila flava*, Haworth; *Oinophila v-flava*, Stainton-Stainton, 1859; *Oenophila v-flavum*, Hw.-Walsingham, 1894.

Cit. Madeira, Azores, Canaries (Stainton, 1859; Walsingham, 1894, 1908; Rebel, 1896, 1910-1911, 1917, 1938, 1939a; Guimarães et. al. 1974; Klimesch, 1980; Carvalho, 1982).

Rec. Madeira: Caniçal 3-IX-1980.

8. *Opogona omoscopa* (Meyrick, 1909)

Syn. *Hieroxestis praematura* Meyrick.-Cockerell, 1923.

Cit. Madeira, Azores (Cockrell, 1923; Rebel, 1938, 1939, 1939a, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982, 1992; Sousa, 1991).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Curral das Freiras 11-VI-1980; Santa 14-IX-1980; Chão da Ribeira 20-IX-1980; Queimadas 29-VIII-1980, 9-IX-1980; Caniçal, 23-IX-1981.

*Porto Santo 18-IX-1980.

9. *Opogona sacchari* (Bojer, 1856)

Syn. *Tinea subcervinella* Wlk., *Laverna plumips* Btlr., *Opogona subcervinella* Wlk.-Walsingham, 1910; *Hieroxestis subcervinella* (Walker)-Cockerell, 1923.

Cit. Madeira, Azores, Canaries (Walsingham, 1908, 1910; Rebel, 1917; Rebel, 1938, 1939, 1939a, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Klimesch, 1980; Carvalho, 1982, 1992; Sousa, 1991).

Rec. Madeira: Curral das Freiras 4-VI-1980; Funchal 8-VI-1980; Caniçal 23-IX-1981.

*Porto Santo 16-IX-1980.

GRACILLARIIDAE

10. *Caloptilia laurifoliae* (Hering, 1927)

Syn. *Gracilaria roscipennella* Hb.-Walsingham, 1894; *Gracilaria laurifoliella* Hering-Rebel, 1939.

Cit. Madeira, Canaries (Walsingham, 1894; Rebel, 1917, 1938, 1939, 1939a).

Rec. Madeira: Fajã da Nogueira 28-V-1980; Queimadas 2-VI-1980; João Frino 9-VI-1980.

11. *Caloptilia aurantiaca* (Wollaston, 1858)

Syn. *Gracilaria aurantiaca*-Wollaston, 1858.

Cit. Madeira, Azores, Canaries (Wollaston, 1858; Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1938, 1939a).

Rec. Madeira: Queimadas 2-VI-1980; Fajã da Nogueira 5-VI-1980; Terreiro da Luta 10-VI-1980; João Frino 9-VI-1980; Estreito de Câmara de Lobos 6-IX-1980.

12. *Dialectia scalarielli* (Zeller, 1850)

Syn. *Gracilaria scalarielli* Z.-Walsingham, 1894; *Gracilaria (Acrocercops) scalarielli* Z.-Rebel, 1910-1911.

Cit. Madeira, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1938, 1939a).

Rec. Madeira: Porto Novo 2-VI-1980; João Frino 9-VI-1980; Terreiro da Luta 10-VI-1980.

PHYLLOCNISTIDAE

13. *Phyllocnistis saligna* Zeller, 1839

Cit. Canaries (Rebel, 1938).

Rec. *Madeira: Fajã da Nogueira 2-IX-1980; Queimadas 10-IX-1980.

YPONOMEUTIDAE

14. *Kessleria bakeri* (Walsingham, 1894)

Syn. *Hyponomeuta bakeri*-Walsingham, 1894; *Yponomeuta bakeri* Walsghim.-Rebel, 1917.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Ribeiro Frio 4-IX-1980; Chão dos Louros 5-IX-1980; Canhas 8-IX-1980; Rabaçal 12-IX-1980.

15. *Prays citri* (Millière, 1873)

Cit. Azores, Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917; Carvalho, 1982, 1992).

Rec. *Madeira: Jardim Botânico 30-V-1980; Rabaçal 12-IX-1980.

PLUTELLIDAE

16. *Plutella xylostella* (Linnaeus, 1758)

Syn. *Plutella cruciferarum*, Zeller; *Plutella cruciferarum*, Stainton-Stainton, 1859; *Plutella maculipennis* Curtis-Rebel, 1910-1911.

Cit. Madeira, Porto Santo, Azores, Canaries (Stainton, 1859; Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1939-a, 1940-1949; Carvalho, 1982, 1992).

Rec. Madeira: Curral das Freiras 11-VI-1980; Fajã da Nogueira 2-IX-1980; Rabaçal 12-IX-1980.

*Porto Santo 18-IX-1980.

OECOPHORIDAE

17. *Hofmannophila pseudospretella* (Stainton, 1849)

Syn. *Oecophora pseudospretella*, STN -Walsingham, 1894; *Borkhausenia pseudospretella*

Stt.-Rebel, 1917.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Estreito de Câmara de Lobos 6-IX-1980; Queimadas 10-IX-1980.

*Porto Santo 16-IX-1980.

18. *Agonopterix heracliana* (Linnaeus, 1758)

Syn. *Siganorosis heracliana*, D.G.

Cit. Madeira, Canaries (Walsingham, 1894, 1908).

Rec. Madeira: Curral das Freiras 11-VI-1980; Fajã da Nogueira 2-IX-1980.

19. *Agonopterix scopariella* (Heinemann, 1870)

Rec. *Madeira: Curral das Freiras 11-VI-1980; Fajã da Nogueira 2-IX-1980.

20. *Agonopterix perezii* (Walsingham, 1908)

Syn. *Depressaria (Agonopterix) perezii* Walsghm.-Rebel, 1910-1911; *Depressaria applanata* Wlsgham.-Rebel, 1917; *Pinaris perezii* Wlsm.-Cockerell, 1923.

Cit. Madeira, Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917, 1939a; Cockerell, 1923; Klimesch, 1985).

Rec. Madeira: Curral das Freiras 11-VI-1980.

COLEOPHORIDAE

21. *Coleophora gaucicolella* Wood, 1892

Rec. *Madeira: João Frino 9-VI-1980.

22. *Coleophora versurella* Zeller, 1849

Syn. *Coleophora fayalensis* Rebel-Bradley, 1990-pers.com.

Cit. Madeira, Azores, Canaries (Wolff, 1970-pers.com.; Klimesch, 1982; Carvalho, 1992).

Rec. Madeira: Funchal 30-V-1980, 19-IX-1980; Curral das Freiras 10-IX-1980.

ETHMIIDAE

23. *Ethmia bipunctella* (Fabricius, 1775)

Syn. *Psecadia bipunctella* F.-Rebel, 1910-1911.

Cit. Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917; Klimesch, 1983).

Rec. *Madeira: Curral das Freiras 1-IX-1980; Encumeada 29-V-1980.

*Porto Santo 7-X-1981.

BLASTOBASIDAE

24. *Blastobasis lavernella* Walsingham, 1894

Cit. Madeira, Canaries (Walsingham, 1894; Rebel, 1910-1911, 1917, 1939a, 1940-1949; Cockerell, 1923; Bradley, 1958; Classey & Gardner, 1959).

Rec. Madeira: Jardim Botânico 30-V-1980; Fajã da Nogueira 5-VI-1980; Curral das Freiras

11-VI-1980; Queimadas, 2-VI-1980; João Frino 9- VI-1980; Rabaçal 27-VII-1982; Estreito de Câmara de Lobos 6-IX-1980.

25. *Blastobasis desertarum* (Wollaston, 1858)

Syn. Coleophora desertarum-Wollaston, 1858; *Pterolonche? maderensis*-Stainton, 1859; *Blastobasis miguelensis* Rebel-Bradley, 1990 pers.com.

Cit. Madeira, Azores (Wollaston, 1858; Stainton, 1859; Walsingham, 1894; Rebel, 1917, 1939, 1939a Bradley, 1958; Classey & Gardner, 1859).

Rec. Madeira: Queimadas 2-VI-1980, 28-VIII-1982; Curral das Freiras 1-IX-1980; Rabaçal 23-VII-1982; Caniçal 3-IX-1980; João Frino 16-IX-1980; Santa 24-IX-1980; Fajã da Ovelha 13-IX-1980; Ribeira Brava 14-IX-1980; Achada de Baixo 18-IX-1980; Funchal 3-X-1981.

26. *Blastobasis nigromaculata* Wollaston, 1858

Syn. Gelechia nigromaculata Wlsn.-Walsingham, 1894.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Queimadas 26-VII-1980; Fajã da Nogueira 16-VIII-1980; Curral das Freiras 1-IX-1980; Fajã da Ovelha 3-IX-1980; Ribeiro Frio 4-IX-1980; Chão dos Louros 5-IX-1980.

27. *Blastobasis decolorella* (Wollaston, 1858)

Syn. Laverna? decolorella-Wollaston, 1858.

Cit. Madeira (Wollaston, 1858; Walsingham, 1894; Rebel, 1917, 1939, 1939a; Bradley, 1958; Classey & Gardner, 1959).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Queimadas 3-VI-1980; João Frino 9-VI-1980; Curral das Freiras 11-VI-1980; Terreiro da Luta 10-VI-1980; Jardim Botânico 5-VII-1980; Fajã da Nogueira 2-IX-1980; Canhas 8-IX-1980; Chão da Ribeira 20-IX-1980; Caniçal 23-IX-1980.

*Porto Santo 18-IX-1980.

28. *Blastobasis lignea* Walsingham, 1894

Syn. Blastobasis flavescens Rebel-Rebel, 1939.

Cit. Madeira, Azores (Walsingham, 1894; Rebel, 1917, 1939, 1939a, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Queimadas 3-VI-1980, 29-VIII-1980; Achada do Teixeira 4-VI-1980; João Frino 9-VI-1980; Terreiro da Luta 10-VI-1980; Caniçal 3-IX-1980; Ribeiro Frio 4-IX-1980; Rabaçal 12-IX-1980; Chão de Louros 5-IX-1980; Canhas 8-IX-1980; Santa 14-IX-1980; Fajã da Ovelha 3-IX-1980; Fajã da Nogueira 2-IX-1980; Seixal 20-IX-1980; Chão da Ribeira 20-IX-1980; Curral das Freiras 29-IX-1981.

*Porto Santo 18-IX-1980.

29. *Blastobasis salebrosella* Rebel, 1939

Cit. Madeira, Azores (Rebel, 1939, 1939a; Carvalho, 1992).

Rec. Madeira: Queimadas 3 -VI-1980, 29-VIII-1980; Fajã da Nogueira 2-IX-1980; Ribeiro Frio 4-IX-1980.

30. *Blastobasis acuta* Bradley, 1958

Cit. Madeira, Azores (Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982, 1992).

Rec. Madeira: Chão de Louros 27-V-1980; João Frino 9-VI-1980; Curral das Freiras 11-VI-1980; 29-IX-1980; Caniçal 3-IX-1980, 20-IX-1980; Canhas 8-IX-1980.

31. *Blastobasis xanthographella* Rebel, 1939

Cit. Madeira, Azores (Rebel, 1939, 1939a; Carvalho, 1992).

Rec. Madeira: Faias 25-V-1980; Curral das Freiras 11-VI-1980; Fajã da Nogueira 18-VII-1980; Queimadas 29-VIII-1980; Santa 14-IX-1980; Caniçal 25-IX-1980.

32. *Blastobasis divisus* (Walsingham, 1894)

Syn. *Epistetus divisus*-Walsingham, 1894.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939, 1939-1).

Rec. Madeira: Chão dos Louros 27-V-1980; Queimadas 3-VI-1980, 10-IX-1980; Terreiro da Luta 10-VI-1980; Curral das Freiras 11-VI-1980; Santa 14-IX-1980; Fajã da Nogueira 2-IX-1980; Seixal 20-IX-1980; Canhas 8-IX-1980.

33. *Blastobasis pica* (Walsingham, 1894)

Syn. *Epistetus*(?) *pica*-Walsingham, 1894.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Fajã da Nogueira 28-V-1980; Queimadas 3-VI-1980, 4-VI-1980, 28-VIII-1982; João Frino 9-VI-1980.

34. *Blastobasis fuscomaculella* (Ragonot, 1879)

Syn. *Oecophora seeboldiella*, Kreithn.; *Oecophora fuscomaculella*, Rag.-Walsingham, 1894;

Blastobasis marmorosella Rbl. nec. Woll.-Rebel, 1910-1911.

Cit. Madeira, Canarias (Walsingham, 1894, 1908; Rebel, 1896, 1910-1911, 1917, 1939a; Klimesch, 1985)

Rec. Madeira: Fajã da Nogueira 28-V-1980; Chão dos Louros 5-IX-1980; Santa 14-IX-1980; Estreito de Câmara de Lobos 6-IX-1980; Seixal 21-IX-1980.

35. *Megaceraea scriptella* Rebel, 1940

Cit. Azores (Rebel, 1940-1949; Carvalho, 1982, 1992).

Rec. Madeira: Fajã da Nogueira 16-VIII-1980.

STATHMOPODIDAE

36. *Neomariania rebeli* (Walsingham, 1894)

Syn. *Laverna rebeli*, Walsm. Walsingham, 1894; *Mompha (Laverna) rebeli* Walsghm.-Rebel, 1917.

Cit. Madeira, Canarias (Walsingham, 1894; Rebel, 1917; Klimesch, 1983).

Rec. Madeira: Fajã da Nogueira 2-IX-1980.

COSMOPTERIGIDAE

37. *Cosmopterix attenuatella* Walker, 1864

Syn. *Cosmoptyx flavofasciata* Woll. Revel, 1896.

Cit. Madeira, Canaries (Rebel, 1896, 1910-1911, 1917, 1938, 1939a; Walsingham, 1908; Cockerell, 1923; Klimesch, 1983).

Rec. Madeira: Caniçal 3-IX-1980.

38. *Pyroderces argyrogrammos* (Zeller, 1847)

Syn. *Pyroderces* (*Stagmatophora*) *argyrogrammos* Z.- Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Rebel, 1896, 1910-1911, 1917; Walsingham, 1908; Klimesch, 1983; Carvalho, 1992).

Rec. Madeira: Curral das Freiras 11-VI-1980; Estreito de Câmara de Lobos 6-IX- 1980.

GELECHIIDAE

39. *Bryothropa domestica* (Haworth, 1828)

Cit. Madeira, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1939-a; Klimesch, 1984)

Rec. Madeira: Caniçal 3-IX-1980.

40. *Ornativulva plutelliformis* (Staudinger, 1859)

Syn. *Gelechia plutelliformis* Stgr. -Rebel, 1910-1911.

Cit. Canaries (Rebel, 1910-1911, 1917; Klimesch, 1894).

Rec. * Porto Santo 18-IX-1980, 9-X-1981.

41. *Phthorimaea operculella* (Zeller, 1873)

Syn. *Lita solanella* B. -Rebel, 1896; *Gelechia* (*Lita*, *Phthorimaea*) *operculella* Z. -Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Rebel, 1896, 1910-1911, 1917, 1938; Walsingham, 1908; Klimesch, 1984; Carvalho, 1982, 1992).

Rec. Madeira: Chão dos Louros 5-IX-1980; Estreito de Câmara de Lobos 6-IX-1980; Funchal 11-IX-1980.

42. *Scrobipalpa portosantana* (Stainton, 1859)

Syn. *Gelechia portosantana* - Stainton, 1859; *Lita portosantana*, Stn. - Walsingham, 1894.

Cit. Porto Santo (Stainton, 1859; Walsingham, 1894; Rebel, 1917, 1939a; Cockerell, 1923).

Rec. *Madeira: Chão da Ribeira 10-VII-1982.

Porto Santo 17-VI-1982, 14-VII-1982.

43. *Scrobipalpa ocellatella* (Boyd, 1858)

Syn. *Gelechia ocellatella* - Stainton, 1859; *Lita submissella*, Stn., *Gelechia submissella*, Stn.- Walsingham, 1894.

Cit. Madeira, Porto Santo, Canaries (Stainton, 1859; Walsingham, 1894; Rebel, 1917, 1939a; Klimesch, 1984).

Rec. Madeira: Chão de Louros 5-IX-1980; Rabaçal 12-IX-1980

Porto Santo 9-X-1981.

44. *Reuttia wollastoni* (Walsingham, 1894)

Syn. *Anacampsis wollastoni*, Walsm. - Walsingham, 1894.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Canhas 8-IX-1980; Queimadas 10-IX-1980; Rabaçal 12-IX-1980; Santa 14-IX-1980; Funchal 15-IX-1980; Chão da Ribeira 20-IX-1980.

45. *Aproaerema anthyllidella* (Hübner, 1913)

Sin. *Gelechia anthyllidella*, Hübner; *Gelechia anthyllidella*, Stainton- Stainton, 1859; *Anacampsis albipalpella*, H. S. - Walsingham, 1894.

Cit. Madeira, Azores, Porto Santo, Canaries (Stainton, 1859; Walsingham, 1894; Klimesch, 1984; Carvalho, 1992).

Rec. Madeira: Fajã da Nogueira 5-VI-1980; João Frino 9-VI-1980; Estreito de Câmara de Lobos 6-IX-1980; Curral das Freiras 1-IX-1980, 9-IX-1980, 29-IX-1981.

Porto Santo 9-X-1981.

46. *Platyedra subcinerea* (Haworth, 1828)

Syn. *Platyedra vilella* Z. - Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917; Klimesch, 1984; Carvalho, 1982, 1992).

Rec. *Porto Santo 6-V-1980, 16-IX-1980.

47. *Dichomeris acuminata* (Staudinger, 1876)

Rec. *Madeira: Chão de Louros 5-IX-1980.

SYMMOCIDAE

48. *Apatema fasciata* (Stainton, 1859)

Syn. *Gelechia fasciata*-Stainton, 1859; *Hypatima fasciata*, Stn.; *Lampros coarctella* Rbl.-Walsingham, 1894; *Apatema fasciatum* Stt. - Rebel, 1910-1911, 1917, 1939, 1939a; Cockerell, 1923; Bradley, 1958; Classey & Gardner, 1959; Klimesch, 1985).

Rec. *Porto Santo 18-IX-1980, 9-X-1981.

TORTRICIDAE

49. *Aethes francillana* (Fabricius, 1794)

Syn. *Lozopera francillana* F.; *francillana* Wlsm.; *flagellana* Rbl. -Rebel, 1910-1911.

Cit. Madeira, Canaries (Walsingham, 1908; Rebel, 1910-1911; Bradley *et al.* 1973; Klimesch, 1987).

Rec. *Porto Santo 16-IX-1980, 18-IX-1980.

50. *Acleris variegana* (Denis & Schiffermüller, 1775)

Cit. Azores (Carvalho, 1982; Sousa, 1981).

Rec. Madeira: Curral das Freiras 4-VI-1980; João Frino 9-VI-1980; Fajã da Nogueira 11-VIII-1980, 2-IX-1980.

51. *Cacoecimorpha pronubana* (Hübner, 1799)

Rec. *Madeira: Estreito de Câmara de Lobos 6-IX-1980.

*Porto Santo 6-V-1980.

52. *Clepsis subcostana* (Stainton, 1859)

Syn. *Tortrix subcostana* - Stainton, 1859; *Tortrix retiferana* Stt.- Rebel, 1917.

Cit. Madeira, Canaries (Stainton, 1859; Walsingham, 1894; Rebel, 1896, 1910-1911, 1917, 1939, 1939a).

Rec. Madeira: Fajã da Nogueira 2-IX-1980; Fajã da Ovelha 3-IX-1980; Ribeiro Frio 4-IX-1980; Queimadas 10-IX-1980; Funchal 19-IX-1980.

53. *Clepsis staintoni* Obraztsov, 1955

Syn. *Tortrix? reticulata* - Stainton, 1859.

Cit. Madeira (Stainton, 1859; Rebel, 1917, 1939, 1939a).

Rec. Madeira: Queimadas 3-V-1980, 10-IV-1980, 1-X-1981; Fajã da Nogueira 5-VI-1980; Chão da Ribeira 20-IX-1980.

54. *Bactra minima* Meyrick, 1909

Cit. Canaries (Klimesch, 1987).

Rec. *Madeira: Rabaçal 28-V-1982.

*Porto Santo 6-V-1980, 16-VII-1982.

55. *Bactra venosana* (Zeller, 1847)

Cit. Madeira, Canaries (Rebel, 1917, 1939a, 1940-1949, Classey & Gardner, 1959; Klimesch, 1987).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980, 2-IX-1980; Rabaçal 28-V-1982, 27-VIII-1982; Curral das Freiras 1-IX-1980; Funchal 3-X-1981.

56. *Epinotia thapsiana* (Zeller, 1847)

Cit. Canaries (Klimesch, 1987).

Rec. *Madeira: Porto Novo 12-VI-1980; Fajã da Nogueira 16-VIII-1980; Curral das Freiras 1-IX-1980; Ribeira Brava 14-IX-1980.

*Porto Santo 17-VI-1982, 17-VIII-1982.

57. *Epinotia signatana* (Douglas, 1845)

Syn. *Steganoptycha signatana*, Dgl. - Walsingham, 1894.

Cit. Madeira (Walsingham, 1894).

Rec. Madeira: Queimadas 3-VI-1980.

*Porto Santo 11-IX-1980.

*Selvagem Grande 4-V-1980.

58. *Crociosema plebejana* Zeller, 1847

Syn. *Steganoptycha signatana* Walsingham, nec. Dgl. - Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1939a, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982, 1992; Klimesch, 1987).

Rec. Madeira: Jardim Botânico 30-V-1980; João Frino 9-VI-1980.

*Porto Santo 6-V-1980.

59. *Eucosma cana* (Howarth, 1811)

Syn. *Paedisca carduana*, Gn.- Walsingham, 1894; *Epiblema cana* Hw. - Rebel, 1917.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Encumeada 29-V-1980; Caniçal 3-VI-1982; João Frino 9-VIII-1980.

*Porto Santo 6-V-1980.

60. *Gypsonoma minutana* (Hübner, 1799)

Rec. Madeira: Funchal 19-IX-1980.

61. *Clavigesta sylvestrana* (Curtis, 1850)

Cit. Madeira, Azores (Bradley *et al.* 1973; Carvalho, 1992).

Rec. Madeira: João Frino 9-VI-1980; Curral das Freiras 11-VI-1980; Rabaçal 23-VII-1980.

62. *Selania leplastriana* (Curtis, 1831)

Syn. *Ephippiphora maderae*, Wlsth.; *Grapholitha maderae*, Rbl. - Wollaston, 1858; *Grapholita maderae*, Wlk. - Walsingham, 1894; *Euscelis maderae* (Woll.) - Cockerell, 1923; *Laspeyresia maderae* Woll. - Rebel, 1940-1949; *Enarmonia leplastriana* Curtis - Bradley, 1958.

Cit. Madeira, Porto Santo, Azores, Canaries (Wollaston, 1858; Walsingham, 1894; Bradley *et al.* 1973; Classey & Gardner, 1959; Carvalho, 1982, 1992; Klimesch, 1987).

Rec. Madeira: Encumeada 29-V-1980; Jardim Botânico 30-V-1980; Bica da Cana 1-VI-1980; Queimadas 2-VI-1980, 29-VIII-1980; Curral das Freiras 1-IX-1980.

Porto Santo 14-VII-1982.

63. *Cydia pomonella* (Linnaeus, 1758)

Syn. *Carpocapsa* (*Cydia*) *pomonella* (L.) *putaminana* Stgr. - Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917, 1939a, 1940-1949; Carvalho, 1982, 1992; Klimesch, 1987).

Rec. Madeira: Curral das Freiras 11-VI-1980, 16-VIII-1980, 1-IX-1980.

64. *Cydia succedana* (Denis & Schiffermüller, 1775)

Cit. Madeira (Bradley *et al.* 1973).

Rec. Madeira: Encumeada 29-V-1980; Bica da Cana 1-VI-1980; Queimadas 2-VI-1980, 29-VIII-1980.

65. *Cydia penkleriana* (Denis & Schiffermüller, 1775)

Syn. *Carpocapsa splendana*, Hb. - Walsingham, 1894; *Cydia splendana* (Hübner) - Bradley *et al.* 1973.

Cit. Madeira, Azores (Walsingham, 1894; Rebel, 1917, 1939a; Bradley *et al.* 1973; Carvalho, 1982).

Rec. Madeira: Curral das Freiras 1-IX-1980.

66. *Cydia fagiglandana* (Zeller, 1841)

Syn. *Carpocapsa grossana*, Hw. - Walsingham, 1894.

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a; Bradley *et al.* 1973).

Rec. Madeira: Curral das Freiras 1-IX-1980.

CHOREUTIDAE

67. *Tebenna bjerkanndrella* (Thunberg, 1784)

Syn. *Choreutis bjerkanndrella*, Thnb. - Walsingham, 1894; *Choreutis (Porpe) bjerkanndrella* (Thnbg.) *pretiosana* Dup. - Rebel, 19110-1911.

Cit. Madeira, Azores, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917; Carvalho, 1982, 1992).

Rec. Madeira: Queimadas 3-VI-1980; Santa 14-IX-1980.

CARPOSINIDAE

68. *Carposina atlanticella* Rebel, 1892

Cit. Madeira (Walsingham, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Chão de Louros 27-V-1980; Fajã da Nogueira 28-V-1980; Queimadas 2-VI-1980.

EPERMENIDAE

69. *Epermenia aequidentella* (Hofmann, 1867)

Syn. *Chauliodus daucellus*, Peyr. - Walsingham, 1894; *Epermenia daucella* Peyr. - Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1939a; Klimesch, 1983; Carvalho, 1992).

Rec. Madeira: Queimadas 2-VI-1980; Caniçal 3-IX-1980; João Frino 9-VI-1980; Estreito de Câmara de Lobos 6-IX-1980.

PTEROPHORIDAE

70. *Agdistis salsolae* Walsingham, 1908

Cit. Canaries (Walsingham, 1908; Rebel, 1910-1911, 1917).

Rec. *Selvagem Grande 9-V-1980.

71. *Agdistis tamaricis* (Zeller, 1847)

Syn. *Adactyla tamaricis* Z.; *Agdistis tamaricis* Walsm.; *Herbetia tamaricis* Chpm. & Tutt. - Walsingham 1908.

Cit. Canaries (Rebel, 1906, 1910-1911, 1917; Walsingham 1908).

Rec. *Porto Santo 18-IX-1980, 9-X-1981, 19-VIII-1982.

72. *Agdistis bifurcatus* Agenjo, 1952

Rec. *Selvagem Grande 9-V-1980.

73. *Amblyptilia acanthodactyla* (Hübner, 1813)

Syn. *Platyptilia acanthodactyla*, Hb.; *Pterophorus acanthodactylus*, Stn. - Walsingham, 1894.

Cit. Madeira, Azores, Canaries (Stainton, 1859; Walsingham, 1894, 1908; Rebel, 1910-1911, 1917, 1939, 1939-a, 1940-1949; Carvalho, 1982, 1992).

Rec. Madeira: Canhas 8-IX-1980.

*Porto Santo 6-V-1980.

74. *Emmeline monodactyla* (Linnaeus, 1758)

Syn. *Pterophorus pterodactylus*, Linnaeus; *Pterophorus pterodactylus*, Stainton; *Pterophorus monodactylus*, Rbl.-Stainton, 1859.

Cit. Madeira, Azores, Canaries (Stainton, 1859; Walsingham, 1894, 1908; Rebel, 1896, 1910-1911, 1917, 1939a, 1940-1949; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982, 1992).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Fajã da Nogueira 5-VI-1980; João Frino 9-6-1980; Curral das Freiras 11-VI-1980; Funchal 19-IX-1980.

PYRALIDAE**75. *Achroia grisella* (Fabricius, 1794)**

Cit. Madeira (Bethune-Baker, 1894; Rebel, 1917, 1939a).

Rec. Madeira: Funchal 19-IX-1980.

76. *Pyralis farinalis* Linnaeus, 1758

Syn. *Asopia farinalis*, L. - Bethune-Baker, 1894; *Pyrausta farinalis* L. - Classey & Gardner, 1959.

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1939-a, 1940-1949; Warren, 1905; Bradley, 1958; Classey & Gardner, 1959; Guimarães *et al.* 1974; Carvalho, 1982, 1992).

Rec. Madeira: Bica da Cana 1-VI-1980; Santa 14-VI-1980; Santa 14-IX-1980; Funchal 30-X-1981.

77. *Cryptoblabes gnidiella* (Millière, 1867)

Syn. *Ephestia gnidiella*, Mill. - Bethune-Baker, 1894.

Cit. Madeira, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939a, 1940-1949; Vieira, 1951; Bradley, 1958; Classey & Gardner, 1959).

Rec. Madeira: Jardim Botânico 5-VII-1980.

78. *Acrobasis lundbladi* (Rebel, 1839)

Syn. *Pempelia lundbladi* - Rebel, 1939.

Cit. Madeira (Rebel, 1939, 1939a).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Curral de Freiras 11-VI-1980, 7-VI-17; Fajã da Nogueira 2-IX-1980; Caniçal 3-IX-1980.

79. *Plodia interpunctella* (Hübner, 1813)

Syn. *Ephestia interpunctella*, Hb. - Bethune-Baker, 1894.

Cit. Madeira, Porto Santo, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1939a,

1940-1949; Cockerell, 1923; Guimarães *et al.* 1974; Carvalho, 1982).

Rec. Madeira: Funchal 3-X-1981.

80. *Cadra cautella* (Walker, 1863)

Cit. Madeira, Azores (Guimarães *et al.* 1974; Carvalho, 1982).

Rec. Madeira: Funchal 8-IX-1980, 19-IX-1980, 3-X-1981.

Porto Santo 18-IX-1980.

81. *Paratrota nesiotica* (Rebel, 1911)

Syn. *Homeosoma nesiotica* - Rebel, 1910-1911.

Cit. Madeira, Porto Santo, Canaries (Rebel, 1910-1911, 1917; Bradley, 1958; Classey & Gardner, 1959; Roesler, 1973; Carvalho, 1982).

Rec. Madeira: Porto Novo 12-VI-1980; Caniçal 3-IX-1980, 23-IX-1981; Chão da Ribeira 20-IX-1980; Fajã da Nogueira 2-IX-1980; Funchal 3-X-1981.

Porto Santo 18-IX-1980.

82. *Euchromius ocella* (Haworth, 1811)

Syn. *Enomene ocella* Hw. - Bethune-Baker, 1894; *Eromene ocella* Hw. - Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1910-1911, 1939a; Bleszynski, 1965; Carvalho, 1982).

Rec. Madeira: Fajã da Nogueira 5-VI-1980; Rabaçal 12-IX-1980.

83. *Agriphila atalantica* (Wollaston, 1858)

Syn. *Crambus atlanticus* - Wollaston, 1858.

Cit. Madeira, Canaries (Wollaston, 1858; Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939, 1939a; Bleszynski, 1965).

Rec. Madeira: Bica da Cana 1-VI-1980; Pico do Arieiro 4-IX-1980.

84. *Agriphila trabeatella* (Herrich-Schäffer, 1848)

Cit. Madeira (Bleszynski, 1965).

Rec. Madeira: Curral das Freiras 1-IX-1980

*Porto Santo 18-IX-1980.

85. *Scoparia scoriella* (Wollaston, 1858)

Syn. *Eudoria scoriella* - Wollaston, 1858; *Eudonia scoriella*

Cit. Madeira, Azores (Wollaston, 1858; Bethune-Baker, 1894; Rebel, 1917, 1939, 1939a; Warren, 1905; Cockerell, 1923; Carvalho, 1982).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Queimadas 3-VI-1980; Curral das Freiras 11-VI-1980; Achada do Teixeira 4-VI-1980; Ribeiro Frio 4-IX-1980; Rabaçal 12-IX-1980; Santa 14-IX-1980; Chão de Louros 5-IX-1980; Fajã da Nogueira 2-IX-1980.

86. *Scoparia wollastoni* Bethune-Baker, 1894

Cit. Madeira (Bethune-Baker, 1894; Rebel, 1917, 1939, 1939a; Cokrell, 1929).

Rec. Madeira: Queimadas 2-VI-1980.

87. *Eudonia angustea* (Curtis, 1827)

Syn. *Eudorea acuminatella* - Stainton, 1859; *Eudoria angustea* Stainton-Classey & Gardner, 1959; *Scoparia acuminatella* Stt. (*S. angustea* Steph.)-Rebel, 1939.

Cit. Madeira, Azores, Canaries (Stainton; Rebel, 1896; 1910-1911, 1917, 1939, 1939a, 1940-1949; Warren, 1905; Cockerell, 1929; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982).

Rec. Madeira: Encumeada 29-V-1980; Achada do Teixeira 4-VI-1980; Queimadas 2-VI-1980, 29-VIII-1980; Curral das Freiras 1-IX-1980; Canhas 3-IX-1980; Rabaçal 12-IX-1980.

88. *Aporodes floralis* (Hübner, 1809)

Syn. *Noctuella (Aporodes) floralis* Hb. - Rebel, 1910-1911.

Cit. Canaries (Rebel, 1896, 1910-1911, 1917).

Rec. *Porto Santo 16-IX-1980, 17-VI-1982, 15-IX-1982.

89. *Hellula undalis* (Fabricius, 1775)

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939, 1939-a).

Rec. Madeira: Queimadas 29-VIII-1980; Funchal 11-IX-1980; Caniçal 29-VIII-1981.

90. *Pyrausta sanguinalis* (Linnaeus, 1767)

Cit. Madeira, Canaries (Bethune-Baker, 1894; Rebel, 1910-1911, 1939, 1939a).

Rec. Madeira: Curral das Freiras 11-VI-1980, 1-IX-1980; Fajã da Nogueira 16-VIII-1980; Chão de Louros 5-IX-1980.

91. *Pyrausta maderensis* Bethune-Baker, 1894

Cit. Madeira (Bethune-Baker, 1894; Rebel, 1939, 1939a).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Queimadas 3-VI-1980; Curral das Freiras 11-VI-1980; Ribeiro Frio 4-IX-1980.

*Selvagem Grande 9-V-1980.

92. *Botyodes diniasalis* (Walker, 1859)

Rec. *Madeira: Curral das Freiras 1-IX-1980; Fajã da Nogueira 2-IX-1980; Funchal 19-IX-1980.

93. *Uresiphita gilvata* (Fabricius, 1794)

Syn. *Botys polygonalis*, Hb. - Bethune-Baker, 1894; *Mecyna polygonalis* Hb. var. *meridionalis* Wck.-Rebel, 1896; *Mecyna polygonalis gilvata* F. - Rebel, 1917; *Mecyna meridionalis* Wck.-Martin, 1941.

Cit. Madeira, Canaries (Bethune-Baker, 1894, Rebel, 1896, 1910-1911, 1917, 1939, 1939a, 1940-1949; Martin, 1941; Bradley, 1958; Classey & Gardner, 1959).

Rec. Madeira: Curral das Freiras 11-VI-1980; Rabaçal 12-IX-1980.

94. *Uresiphita atlantica* (Bethune-Baker, 1894)

Syn. *Botys atlanticum* - Bethune-Baker, 1894; *Pionea atlanticum* Beth. Bak.; *Pyrausta atlanticum* Bak. - Rebel, 1939a.

Cit. Madeira (Bethune-Baker, 1894; Rebel, 1917, 1939, 1939a).

Rec. Madeira: Ribeiro Frio 4-IX-1980; Fajã da Ovelha 3-IX-1980.

95. *Udea maderensis* (Bethune-Baker, 1894)

Syn. *Botys maderensis* - Bethune-Baker, 1894; *Pionea maderensis* Beth. Bak.-Rebel, 1917

Cit. Madeira (Bethune-Baker, 1894, Rebel, 1917).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Ribeiro Frio 4-IX-1980; Rabaçal 25-VI-1982.

*Selvagem Grande 19-V-1980.

96. *Udea numeralis* (Hübner, 1796)

Syn. *Botys numeralis*, var. *illutalis*, Guen. - Bethune-Baker, 1894; *Pionea numeralis* Hb.-Rebel, 1910-1911.

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Warren, 1905; Rebel, 1910-1911, 1917; Carvalho, 1982).

Rec. Madeira: Curral das Freiras 19-VI-1980, 29-IX-1981.

97. *Udea ferrugalis* (Hübner, 1798)

Syn. *Pyrausta ferrugalis* Hb. Rebel, 1896; *Pionea (Pyrausta) ferrugalis* Hb. - Rebel, 1910-1911; *Udea martialis* Guenée - Bradley, 1958.

Cit. Madeira, Azores, Canaries (Rebel, 1896, 1910-1911, 1917, 1939, 1940-1949; Warren, 1905; Bradley, 1958; Classey & Gardner, 1959; Carvalho, 1982, 1992).

Rec. Madeira: Chão dos Louros 27-V-1980; Bica da Cana 1-VI-1980; Porto Novo 12-VI-1980; Santa 19-IX-1980.

98. *Mecyna asinalis* (Hübner, 1819)

Syn. *Botys asinalis*, Hb. - Bethune-Baker, 1894; *Pyrausta asinalis* Hb. - Rebel, 1896.

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939a; Carvalho, 1992).

Rec. Madeira: Estreito de Câmara de Lobos 30-V-1980; Faias 25-V-1980; Achada do Teixeira 4-VI-1980; Queimada 3-VI-1980; João Frino 9-VI-1980; Curral das Freiras 11-VI-1980.

99. *Nomophila noctuella* (Denis & Schiffermüller, 1775)

Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939, 1939a, 1940-1949; Carvalho, 1982, 1992).

Rec. Madeira: Rabaçal 12-9-1980; Queimadas 10-IX-1981.

*Porto Santo 18-IX-1980.

100. *Herpetogramma bipunctalis* (Fabricius, 1794)

Syn. *Psara bipunctalis* F. - Bradley, 1958; Classey & Gardner, 1959).

Rec. Madeira: Funchal 8-X-1981.

101. *Duponchelia fovealis* Zeller, 1847

Cit. Canaries (Rebel, 1896, 1910-1911, 1917).

- Rec. *Madeira:** Funchal 19-IX-1980, 18-IX-1980, 17-VI-1982.
102. *Antigastra catalaunalis* (Duponchel, 1833)
Rec. *Madeira: Rabaçal 12-IX-1980.
103. *Trichophysetis whitei* Rebel, 1906
Cit. Madeira, Canaries (Rebel, 1910-1911, 1917).
Rec. Madeira: Fajã da Nogueira 2-IX-1980.
104. *Diasemiopsis ramburialis* (Duponchel, 1833)
Syn. *Diasemia ramburialis*, Dup. - Bethune-Baker, 1894.
Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1939a, 1940-1949; Carvalho, 1982, 1992).
Rec. Madeira: Chão de Louros 5-IX-1980; Rabaçal 12-IX-1980.
105. *Palpita unionalis* (Hübner, 1796)
Syn. *Margarodes unionalis*, Hb. - Bethune-Baker, 1894; *Glyphodes unionalis* Hb. - Rebel, 1896; *Margaronia unionalis* Hubn. - Classey & Gardner, 1959.
Cit. Madeira, Azores, Canaries (Bethune-Baker, 1894; Rebel, 1896, 1910-1911, 1917, 1939a, 1940-1949; Classey & Gardner, 1959; Carvalho, 1982, 1992).
Rec. Madeira: Curral das Freiras 11-VI-1980; Queimadas 4-VII-1980; Caniçal 21-VII-1982.
 *Porto Santo 18-IX-1980.

List of the Microlepidoptera species of the islands Madeira (M), Porto Santo (PS), Selvagem Grande (SG).

TINEIDAE

<i>Praeaces atomosella</i> (Walker, 1863)	(M)
<i>Psychoides verhuella</i> Bruand, 1853	(M)
<i>Tenaga nigripunctella</i> (Haworth, 1828)	(M) (PS)
<i>Monopis laevigella</i> (Denis & Schiffermüller, 1775)	(M)
<i>Monopis crocicapitella</i> (Clemens, 1859)	(M)
<i>Monopis nigricantella</i> (Millière, 1872)	(M)
<i>Monopis imella</i> (Hübner, 1813)	(M)
<i>Trichophaga bipartitella</i> (Ragonot, 1892)	(M) (PS) (SG)
<i>Tineola bisselliella</i> (Hummel, 1823)	(M)
<i>Tineola allutella</i> (Rebel, 1823)	(M) (PS)
<i>Niditinea fuscella</i> (Linnaeus, 1758)	(M)
<i>Tinea pellionella</i> Linnaeus, 1758	(M) (PS)
<i>Tinea murariella</i> Staudinger, 1859	(M)
<i>Tinea dubiella</i> Stainton, 1859	(M)
<i>Tinea irrorella</i> Wollaston, 1858	(M)
<i>Tinea trinotella</i> Thunberg, 1794	(M)

<i>Oinophila v. flava</i> (Haworth, 1828)	(M)
<i>Opogona omoscopa</i> (Meyrick, 1909)	(M) (PS)
<i>Opogona sachari</i> (Bojer, 1856)	(M) (PS)

GRACILLARIIDAE

<i>Caloptilia laurifoliae</i> (Hering, 1927)	(M)
<i>Caloptilia staintoni</i> (Wollaston, 1858)	(M)
<i>Caloptilia aurantiaca</i> (Wollaston, 1858)	(M)
<i>Caloptilia hedemanni</i> (Rebel, 1896)	(M)
<i>Aspilapteryx multipunctella</i> (Chrétien, 1917)	(M)
<i>Dialectia scalariella</i> (Zeller, 1850)	(M)
<i>Phyllonorycter messaniella</i> (Zeller, 1846)	(M)
<i>Phyllonorycter myricae</i> Deschka, 1976	(M)
<i>Phyllonorycter platani</i> (Staudinger, 1870)	(M)
<i>Phyllonorycter juncei madeirae</i> Deschka, 1976	(M)
<i>Phyllonorycter chiclanella</i> Staudinger, 1859	(M)

PHYLLOCNISTIDAE

<i>Phyllocnistis saligna</i> Zeller, 1839	(M)
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YPONOMEUTIDAE

<i>Kessleria backeri</i> (Walsingham, 1894)	(M)
<i>Zelleria wolffi</i> Klimesch, 1983	(M)
<i>Prays oleae</i> (Bernard, 1788)	(M)
<i>Prays citri</i> (Millière, 1873)	(M)
<i>Argyresthia minusculella</i> Rebel, 1940	(M)

PLUTELLIDAE

<i>Plutella xylostella</i> (Linnaeus, 1758)	(M) (PS)
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GLYPHIPTERIGIDAE

<i>Glyphipterix diaphora</i> Walsingham, 1910	(M)
<i>Glyphipterix fortunatella</i> Walsingham, 1907	(M)

BEDELLIDAE

<i>Bedellia somnulentella</i> (Zeller, 1847)	(M)
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OECOPHORIDAE

<i>Endrosis sarcitrella</i> (Linnaeus, 1758)	(M)
<i>Hofmannophila pseudospretella</i> (Stainton, 1849)	(M) (PS)
<i>Agonopterix heracliana</i> (Linnaeus, 1758)	(M)
<i>Agonopterix scopariella</i> (Heinemann, 1870)	(M)
<i>Agonopterix conciliatella</i> (Rebel, 1892)	(M)
<i>Agonopterix perezii</i> (Walsingham, 1908)	(M)
<i>Depressaria rubricella</i> (Denis & Schiffermüller, 1775)	(M)

COLEOPHORIDAE

<i>Coleophora glaucicolella</i> Wood, 1892	(M)
<i>Coleophora versurella</i> Zeller, 1849	(M)

ELACHISTIDAE

<i>Polymetis carlinella</i> Walsingham, 1908	(M)
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ETHMIIDAE

<i>Ethmia bipunctella</i> (Fabricius, 1775)	(M) (PS)
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BLASTOBASIDAE

<i>Blastobasis lavernella</i> Walsingham, 1894	(M) (PS)
<i>Blastobasis desertarum</i> (Walsingham, 1858)	(M) (PS)
<i>Blastobasis decolorella</i> (Wollaston, 1858)	(M) (PS)
<i>Blastobasis lignea</i> Walsingham, 1894	(M) (PS)
<i>Blastobasis salebrosella</i> Rebel, 1939	(M)
<i>Blastobasis acuta</i> Bradley, 1958	(M) (PS)
<i>Blastobasis xanthographella</i> Rebel, 1939	(M)
<i>Blastobasis divisus</i> (Walsingham, 1894)	(M)
<i>Blastobasis pica</i> (Walsingham, 1894)	(M)
<i>Blastobasis insularis</i> (Wollaston, 1858)	(M)
<i>Blastobasis phycidella</i> (Zeller, 1839)	(M)
<i>Blastobasis rubiginosella</i> Rebel, 1896	(M)
<i>Blastobasis lacticolella</i> Rebel, 1939	(M)
<i>Blastobasis fuscomaculella</i> (Ragonot, 1879)	(M)
<i>Blastobasis spectabilella</i> Rebel, 1939	(M)
<i>Blastobasis ochreopalpella</i> (Wollaston, 1858)	(M)
<i>Blastobasis marmorosella</i> (Wollaston, 1858)	(M) (PS)
<i>Megaceraea scriptella</i> Rebel, 1940	(M)

STATHMOPODIDAE

Neomariania rebeli (Walsingham, 1894) (M)

MOMPHIDAE

Mompha vittata (Wollaston, 1858) (M)

COSMOPTERIGIDAE

Cosmopterix pulcherrimella Chambers, 1875 (M)

Cosmopterix attenuatella Walker, 1864 (M)

Cosmopterix parientariae Hering, 1931 (M)

Ascalenia echdnias (Meyrick, 1891) (M)

Pyroderces argyrogrammos (Zeller, 1847) (M)

GELECHIIDAE

Bryotropha domestica (Haworth, 1828) (M)

Gelechia nigromaculata Wollaston, 1858 (M)

Caryocolum sciurella Walsingham, 1907 (M)

Caryocolum marmorea (Haworth, 1829) (M)

spp. *pulchra* (Wollaston, 1858) (M)

Ornativulva plutelliformis (Staudinger, 1859) - (PS)

Phthorimaea operculella (Zeller, 1873) (M)

Scrobipalpa portosantana (Stainton, 1859) (M) (PS)

Scrobipalpa bazae Povolny, 1977 (M)

Scrobipalpa vasconiella (Rossler, 1877) (M)

Scrobipalpa ocellatella (Boyd, 1858) (M) (PS)

Scrobipalpa ergasima (Meyrick, 1916) (M)

Ephysteris curtipennis (Zerny, 1935) (M)

Reuttia wollastoni (Walsingham, 1894) (M)

Aproarema anthyllidella (Hübner, 1813) (M) (PS)

Aproarema elachistella (Stainton, 1859) (M)

Syncopacma psorarella (Millière, 1865) (M)

Sitotroga cerealella (Olivier, 1789) (M) (PS)

Platyedra subcinerea (Haworth, 1828) (M) (PS)

Dichomeris acuminata (Staudinger, 1876) (M)

SYMMOCIDAE

Apatema fasciata (Stainton, 1859) (M) (PS)

Apatema lucidum Walsingham, 1908

(M)

HOLCOPOGONIDAE

Oecia oecophila (Staudinger, 1876)

(M)

TORTRICIDAE

Stenodes decolorella (Zellaer, 1839)

(M)

Aethes francillana (Fabricius, 1794)

(M) (PS)

Tortrix subjunctana Wollaston, 1858

(M)

Acleris variegana (Denis & Schifferrmüller, 1775)

(M)

Pandemis pasquayana (Denis & Schifferrmüller, 1775)

(M)

Cacoecimorpha pronubana (Hübner, 1799)

(M) (PS)

Clepsis subcostana (Stainton, 1859) (Madeira)

(M)

Clepsis staintoni Obraztsov, 1957

(M)

Bactra lancealana (Hübner, 1799)

(M)

Bactra minima Meyrick, 1909

(M) (PS)

Bactra venosana (Zeller, 1847)

(M)

Spilonota ocellana (Fabricius, 1767)

(M)

Acroclita anelpista Diakonoff & Wolff, 1976

(M)

Epinotia thapsiana (Zeller, 1847)

(M) (PS)

Epinotia signatana (Douglas, 1845)

(M) (PS) (SG)

Crociosema plebejana Zeller, 1847

(M) (PS)

Eucosma cana (Haworth, 1811)

(M) (PS)

Gypsonoma minutana (Hübner, 1799)

(M)

Rhyacionia buoliana (Denis & Schifferrmüller, 1775)

(M)

Clavigesta sylvestrana (Curtis, 1850)

(M)

Selania leplastriana (Linnaeus, 1758)

(M) (PS)

Cydia pomonella (Linnaeus, 1758)

(M)

Cydia succedana (Denis & Schifferrmüller, 1775)

(M)

Cydia penkleriana (Denis & Schifferrmüller, 1775)

(M)

Cydia fagiglandana (Zeller, 1841)

(M)

Cydia negatana (Rebel, 1896)

(M)

CHOREUTIDAE

Anthophila fabriciana (Linnaeus, 1767)

(M)

Tebenna hjermandrella (Thunberg, 1784)

(M)

Tebenna micalis (Mann, 1857)

(M)

- Choreutis nemorana* (Hübner, 1799) (M)
Choreutis threnodes (Walsingham, 1910) (M)

CARPOSINIDAE

- Carposina atalanticella* Rebel, 1894 (M)
Carposina anopta Diakanoff, 1988 (M)

EPERMENIIDAE

- Epermenia aequidentella* (Hofmann, 1867) (M)

PTEROPHORIDAE

- Lantanophaga pusillidactyla* (Walker, 1864) (M)
Agdistis salsolae Walsingham, 1908 - (SG)
Agdistis tamaricis (Zeller, 1847) - (PS)
Agdistis bifurcatus Agenjo, 1952 - (SG)
Stenoptilodes brevipennis (Zeller, 1874) (M)
Amblyptilia acanthodactyla (Hübner, 1813) (M) (PS)
Stenoptilia bipunctidactyla (Scopoli, 1763) (M) (PS)
Pterophorus bystropoginis (Walsingham, 1908) (M)
Emmelina monodactyla (Linnaeus, 1758) (M)

PYRALIDAE

- Galleria mellonella* (Linnaeus, 1758) (M)
Achroia grisella (Fabricius, 1794) (M)
Pyralis farinalis Linnaeus, 1758 (M)
Aglossa caprealis (Hübner, 1809) (M)
Cryptoblabes gnidiella (Millière, 1867) (M)
Alista angustella (Hübner, 1796) (M)
Acrobasis lundbladi (Rebel, 1839) (M)
Ancylosis roscidella (Eversmann, 1844) (M)
Ancylosis oblitella Zeller, 1848 (M)
Plodia interpunctella (Hübner, 1813) (M) (PS)
Ephestia kuehniella (Zeller, 1879) (M)
Ephestia aquella (Denis & Schifferrmüller, 1775) (M)
Cadra figulilella (Gregson, 1871) (M)
Cadra cautella (Walker, 1863) (M) (PS)

<i>Paratrotruda nesiotica</i> (Rebel, 1911)	(M) (PS)
<i>Raphimetopus abruptella</i> (Zeller, 1839)	(M)
<i>Ematheudes punctella</i> (Treitechke, 1833)	(M)
<i>Eucromius ocella</i> (Haworth, 1811)	(M)
<i>Agriphila atlantica</i> (Wollaston, 1858)	(M)
<i>Agriphila trabeatella</i> (Herrich-Schaffer, 1848)	(M) (PS)
<i>Scoparia stenota</i> (Wollaston, 1858)	(M) (PS)
<i>Scoparia scoriella</i> (Wollaston, 1858)	(M)
<i>Scoparia wollastoni</i> Bethune-Baker, 1894	(M)
<i>Eudonia maderensis</i> (Rebel, 1939)	(M)
<i>Eudonia angustea</i> (Curtis, 1827)	(M)
<i>Eudonia mercurella</i> (Linnaeus, 1758)	(M)
<i>Evergestis isatidalis</i> (Duponchel, 1833)	(M)
<i>Aporodes floralis</i> (Hübner, 1809)	- (PS)
<i>Hellula undalis</i> (Fabricius, 1775)	(M) (PS)
<i>Pyrausta aurata meridionalis</i> Staudinger, 1880	(M)
<i>Pyrausta sanguinalis</i> (Linnaeus, 1767)	(M)
<i>Pyrausta maderensis</i> Bethune-Baker, 1894	(M) (SG)
<i>Pyrausta testalis</i> (Fabricius, 1794)	(M)
<i>Pyrausta diniasalis</i> (Walker, 1859)	(M)
<i>Uresiphita gilvata</i> (Fabricius, 1794)	(M)
<i>Uresiphita atlanticum</i> (Bethune-Baker, 1894)	(M)
<i>Udea maderensis</i> (Bethune-Baker, 1894)	(M) (SG)
<i>Udea numeralis</i> (Hübner, 1796)	(M)
<i>Udea ferrugalis</i> (Hübner, 1796)	(M)
<i>Mecyna trinalis</i> (Denis & Schiffermüller, 1775)	(M)
<i>Mecyna asinalis</i> (Hübner, 1819)	(M)
<i>Maruca vitrata</i> (Fabricius, 1787)	(M)
<i>Nomophila noctuella</i> (Denis & Schiffermüller, 1775)	(M) (PS)
<i>Duponchelia fovealis</i> Zeller, 1847	(M) (PS)
<i>Herpetogramma bipunctalis</i> (Fabricius, 1794)	(M)
<i>Pleuroptya aegrotalis</i> (Zeller, 1852)	(M)
<i>Hymenia recurvalis</i> (Fabricius, 1795)	(M)
<i>Antigastra catalaunalis</i> (Duponchel, 1833)	(M)
<i>Trichophyesetis whitei</i> Rebel, 1906	(M)
<i>Diasemiopsis ramburialis</i> (Duponchel, 1833)	(M)
<i>Palpita hyalinata</i> (Linnaeus, 1767)	(M)
<i>Palpita unionalis</i> (Hübner, 1796)	(M) (PS)
<i>Palpita incoloralis</i> (Guenée, 1854)	(M)

DISCUSSION

The results of the several surveys are very different; this is due to the climatic conditions variation and the vegetation richness of Madeira, Porto Santo and Selvagem Grande Islands (Table 1).

Those differences on the number of known species of Microlepidoptera also depend on the survey activities developed.

TABLE 1 - Microlepidoptera species of the islands Madeira, Porto Santo and Selvagem Grande

Families	Species (n°)	Madeira	Porto Santo	Selvagem Grande
TINEIDAE	19	19 (6*)	6 (5*)	1 1*)
GRACILLARIIDAE	11	11 (3*)	-	-
PHYLLOCNISTIDAE	1	1 (1*)	-	-
YPONOMEUTIDAE	5	5 (2*)	-	-
PLUTELLIDAE	1	1 (1*)	1 (1*)	-
GLYPHIPTERIGIDAE	2	2 2 -	-	-
BEDELLIDAE	1	1 1 -	-	-
OECOPHORIDAE	7	7 (4*)	1 (1*)	-
COLEOPHORIDAE	2	2 (2*)	-	-
ELACHISTIDAE	1	1 -	-	-
ETHMIIDAE	1	1 (1*)	1 (1*)	-
BLASTOBASIDAE	18	18 (12*)	6 (2*)	-
STATHMOPODIDAE	1	1 (1*)	-	-
MOMPHIDAE	1	1 -	-	-
COSMopterigidae	5	5 (2*)	-	-
GELECHIIDAE	19	18 (7*)	6 (5*)	-
SYMMOCIDAE	2	2 -	1 (1*)	-
HOLCOPOGONIDAE	1	1 -	-	-
TORTRICIDAE	26	26 (17*)	8 (8*)	1 1*)
CHOREUTIDAE	5	5 (1*)	-	-
CARPOSINIDAE	2	2 (1*)	-	-
EPERMENIIDAE	1	1 (1*)	-	-
PTEROPHORIDAE	9	6 (2*)	3 (2*)	2 2*)
PYRALIDAE	53	52 (30*)	10 (6*)	2 2*)
TOTAL	194	189 (97*)	43 (32*)	6 6*)

(*) Collected material

The Lepidoptera have been motivating the visitors mainly interested to Madeira Island than to other islands of the Madeira and Selvagem Archipelagos. These visitors surveys have given a notable contribution to the knowledge of the Microlepidoptera.

Although there are available data on this subject, they are too much dispersed and it is difficult to have a precise knowledge of the already identified species. These difficulties are connected to the variety of nationalities of the collectors and specialists who identify the species which are scattered in museums and private collections. So, it's impossible to make a complete list of all the identified species of the referred Islands. However, trying to give an information as complete as possible, the author presents a list of species based on the following sources:

- 1- A list of species from Madeira established by JOHN BRADLEY in 1990 (Pers. com.);
- 2- Data on the collection of the Museu Municipal do Funchal and consulted bibliography;
- 3- Data about specimen from Selvagem Grande Island obtained by the Zoological Expedition;
- 4- The results of the author's survey had from 1980 to 1982 in Madeira and Porto Santo Islands.

The author has the personal information that several entities, the majority foreigners, have been collecting Microlepidoptera in the last years, who makes possible that new records have been found. The author also maintains some specimen waiting for an opportunity of being determined.

Only for short periods of time the author could be dedicated to the survey of Microlepidoptera and to the results on the Table 1, which suggests the possibility to obtain with facility new data by developing and intensifying the effort of survey.

Here data presented from the 189 species referred to Madeira Island, 97 were confirmed by the survey effectuated by the author and represents 51% from the total. From these 97 species, 15 are new records to Madeira Island.

The insufficient data about Microlepidoptera is specially notorious in Porto Santo and Selvagem Grande Islands.

In Porto Santo, from the 43 species, 32 (about 74%) were confirmed by the author and 25 are new records.

In Selvagem Grande Island the 6 referred species are all new records.

The families represented in Madeira (24), Porto Santo (10) and Selvagem Grande Islands (4) are indicated in Table 1. From these families the more represented is Pyralidae with 52 species in Madeira Island, followed by Tortricidae (26), Tineidae (19), and some number of species for Blastobasidae (18) and Gelechiidae (18).

The majority of recorded species have a large geographic insular and continental distribution.

Related with the total of species (194), 95 (about 49%) are recorded in Continental

Portugal. The remaining are in great number recorded in the atlantic islands of the Azores and Canaries Archipelagos. On the 53 species of the Pyralidae 31 species (about 58%) are recorded to Continental Portugal.

The Blastobasidae family is one the most interesting, because from the 18 species represented in Madeira Island only 2 species are also recorded in Continental Portugal (about 11%), and 7 species are endemic.

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