



RECORDS
of the
DOMINION MUSEUM

2F 65



PUBLISHED BY ORDER OF THE BOARD OF
TRUSTEES, DOMINION MUSEUM,
WELLINGTON, NEW ZEALAND

R. A. FALLA, Director

Vol. 5, No. 5

Pages 39-43

27 November 1964

**THE SPECIES OF LEPIDOPTERA TAKEN BY
LIGHT-TRAPPING AT WELLINGTON BETWEEN
DECEMBER, 1963, AND MAY, 1964**

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INTRODUCTION

A light trap was operated for three hours each evening at the author's home in Karori, Wellington, between December 1, 1963, and May 31, 1964. The data recorded in this paper resulted from a six-month extension to a year-long programme of light trapping by the author and his wife in this locality. The results obtained between November, 1962, and November, 1963, during this programme have already been published (Gaskin, 1964).

As was indicated in the first paper, the trap was operated so that it was in a position to attract moths regardless of wind direction on any given evening.

It is of interest that Lepidoptera appeared to be much more abundant in this period than in the corresponding period in the 1962-63 season, although the quantitative effort of the trap was not changed. During the six-monthly period over 2,400 specimens were captured by the trap, compared with only about 1,300 in the corresponding period in 1962-63.

In the results section the total catches per species are set out by families, together with an indication, where the numbers are sufficient to warrant it, of the month or months of maximum abundance.

RESULTS

Family NOCTUIDAE

Species	No. Adults recorded	Max. abundance
1. <i>Agrotis ypsilon</i>	44 December-April	Jan-Feb
2. <i>Aletia moderata</i>	37 December-May	Dec, Bar
3. <i>Aletia nullifera</i>	1 April	—
4. <i>Ariathisa comma</i>	58 December-February	Jan
5. <i>Bityla defigurata</i>	4 December-January, April	—
6. <i>Dipaustica epiastra</i>	1 December	—
7. <i>Erana graminosa</i>	6 December-February, April	—
8. <i>Graphiphora compta</i>	3 December, February	—
9. <i>Heliothis armigera</i>	9 Dec, Feb-Mar	—
10. <i>Melanchra homoscia</i>	166 Dec-Feb, Apr-May	Dec-Jan
11. <i>Melanchra infensa</i>	2 December	—
12. <i>Melanchra insignis</i>	68 December-May	Dec, Feb, Apr
13. <i>Melanchra lignana</i>	12 Dec, Feb, Apr	Apr
14. <i>Melanchra mutans</i>	148 December-May	Dec, Feb, Apr
15. <i>Melanchra omoplaca</i>	16 December-January	—
16. <i>Melanchra plena</i>	4 Dec, Feb, Mar	—
17. <i>Melanchra scutata</i>	3 May	—
18. <i>Melanchra ustistriga</i>	86 December-April	Dec, Feb
19. <i>Persectania atristriga</i>	39 January-April	Feb
20. <i>Persectania arotis</i>	4 December, March	—
21. <i>Persectania composita</i>	66 December-April	Dec, Feb
22. <i>Persectania propria</i>	1 February	—
23. <i>Persectania steropastis</i>	2 December-January	—
24. <i>Plusia chalcites</i>	3 February	—
25. <i>Pseudaletia separata</i>	8 December-April	—
26. <i>Rhapsa scotosialis</i>	19 December-April	Dec, Feb

Family GEOMETRIDAE (including Selidosemidae)

27. <i>Asaphodes megaspilata</i>	10 February-April	—
28. <i>Asthenes subpurpureata</i>	1 December	—
29. <i>Azelina galleria</i>	1 April	—
30. <i>Chloroclystis dryas</i>	3 April	—
31. <i>Chloroclystis paralodes</i>	7 December-April	—
32. <i>Chloroclystis sandycias</i>	4 February	—
33. <i>Chloroclystis semialbata</i>	4 February, April	—
34. <i>Declana floccosa</i>	18 December-April	Feb
35. <i>Declana juncitilinea</i>	3 December	—
36. <i>Dichromodes sphaeriata</i>	1 December	—
37. <i>Elvia glaucata</i>	1 December	—
38. <i>Epirrhanthis alectoraria</i>	2 February	—
39. <i>Epirrhanthis veronicae</i>	4 December, February, April	—
40. <i>Gargaphia muriferata</i>	2 February	—
41. <i>Hydriomena deltoidata</i>	21 December-March	Feb
42. <i>Hydriomena similata</i>	10 December-February, April	—
43. <i>Leptomeris rubraria</i>	2 February	—
44. <i>Orthoclydon praelectata</i>	3 December, March, May	—
45. <i>Phrissogonus laticostatus</i>	4 February, April	—
46. <i>Phrissogonus testulatus</i>	18 December-February	Dec
47. <i>Selidosema dejectaria</i>	10 February	Feb
48. <i>Selidosema fenerata</i>	7 January-February	—
49. <i>Selidosema indistincta</i>	6 January-February	—
50. <i>Selidosema leucelaea</i>	7 February-April	—
51. <i>Selidosema panagrata</i>	1 January	—
52. <i>Selidosema pannularia</i>	6 February	—
53. <i>Selidosema rudiata</i>	5 January-February	—
54. <i>Selidosema suavis</i>	54 December-May	Feb, Apr
55. <i>Sestra flexata</i>	9 February, March	Feb
56. <i>Venusia verriculata</i>	10 Dec-Feb, April-May	—

<i>Species</i>	<i>No. Adults recorded</i>	<i>Max. abundance</i>
57. <i>Xanthorhoe aegrota</i>	16 December-April	Dec, Mar
58. <i>Xanthorhoe cinerearia</i>	5 February-April	—
59. <i>Xanthorhoe lucidata</i>	1 April	—
60. <i>Xanthorhoe rosearia</i>	63 December-May	Dec-Feb
61. <i>Xanthorhoe semisignata</i>	29 December, February-April	Mar
62. <i>Xanthorhoe venipunctata</i>	2 April	—

Family PHYCITIDAE

63. <i>Crocydophora cinigerella</i>	24 December-April	Dec
64. <i>Ephestia kuehniella</i>	5 April	Apr

Family CRAMBIDAE

65. <i>Crambus flexuosellus</i>	359 December-May	Dec, Feb
66. <i>Crambus ramosellus</i>	32 December-April	Jan
67. <i>Crambus vitellus</i>	95 January-April	Mar
68. <i>Crambus vulgaris</i>	4 March-April	—
69. <i>Diptychophora elana</i>	9 December, February-April	—
70. <i>Diptychophora harmonica</i>	1 December	—

Family PYRAUSTIDAE

71. <i>Diasemia grammalis</i>	1 February	—
72. <i>Mecyna daiclealis</i>	2 December, April	—
73. <i>Mecyna flavidalis</i>	22 December-April	Feb
74. <i>Mecyna maoralis</i>	10 December, February-April	Feb
75. <i>Musotima nitidalis</i>	1 April	—
76. <i>Nymphula nitens</i>	4 January, February	—
77. <i>Protorna philocapna</i>	68 December-March	Feb
78. <i>Scoparia aspidota</i>	2 January, March	—
79. <i>Scoparia colpota</i>	29 December-February	Dec
80. <i>Scoparia crypsinoa</i>	5 December	Dec
81. <i>Scoparia diphtheralis</i>	153 December-March	Feb
82. <i>Scopario feredayi</i>	1 April	—
83. <i>Scoparia halopis</i>	25 December-May	Dec, Apr
84. <i>Scoparia minusculalis</i>	2 February	—
85. <i>Scoparia philerga</i>	4 February, April	—
86. <i>Scoparia subulosella</i>	2 January	—
87. <i>Scoparia submarginalis</i>	2 January, March	—
88. <i>Scoparia trivirgata</i>	9 December-February	Dec
89. <i>Scoparia ustimacula</i>	2 December, April	—

Family PTEROPHORIDAE

90. <i>Alucita monospilalis</i>	2 February, March	—
91. <i>Platyptilia falcatalis</i>	3 December, January	—

Family TORTRICIDAE

92. <i>Catamacta gavisana</i>	3 December	—
93. <i>Cnephasia incessana</i>	1 December	—
94. <i>Cnephasia jactatana</i>	2 December, February	—
95. <i>Ctenopseutis obliquana</i>	33 December-May	Dec
96. <i>Epalxiphora axenana</i>	7 January, March	—
97. <i>Epichorista emphanes</i>	3 December	—
98. <i>Harmologa sisyrana</i>	3 December, January	—
99. <i>Pyrgotis imbriferana</i>	6 January, February	—
100. <i>Pyrgotis plagiatana</i>	3 December, January	—
101. <i>Pyrgotis semifera</i>	28 December-May	Feb
102. <i>Tortrix excessana</i>	29 December-April	Dec
103. <i>Tortrix leucaniana</i>	12 December-March	Feb
104. <i>Tortrix postvittana</i>	7 December-May	—

Family EUCOSMIDAE

Species	No. Adults recorded	Max. abundance
105. <i>Spilonota ejactana</i>	1 April	—

Family GELECHIADAЕ

106. <i>Anisoplaca achyrota</i>	3 January	Jan
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Family OECOPHORIDAE

107. <i>Barea confusella</i>	6 December, February-March	—
108. <i>Borkhausenia armigerella</i>	1 January	—
109. <i>Borkhausenia chlorodelpha</i>	5 December, January	—
110. <i>Borkhausenia hemimochla</i>	10 December-March	—
111. <i>Borkhausenia pseudopretella</i>	8 December-February	—
112. <i>Coleophora spissicornis</i>	15 December-March	Dec
113. <i>Cryptolechia liochroa</i>	1 December	—
114. <i>Eutorna symmorpha</i>	1 December	—
115. <i>Izatha epiphanes</i>	2 December, February	—
116. <i>Izatha peroneanella</i>	8 December, January, February	Jan
117. <i>Leptocroca scholaea</i>	2 December	—
118. <i>Paracystola acroxantha</i>	3 February-April	—
119. <i>Trachypepla anastrella</i>	1 December	—
120. <i>Trachypepla conspicuella</i>	4 December, January, April	—
121. <i>Trachypepla contritella</i>	3 December, January	—
122. <i>Trachypepla euryleucota</i>	3 December	—
123. <i>Trachypepla leucoplanetis</i>	1 December	—

Family PLUTELLIDAE

124. <i>Orthenches virgata</i>	11 Dec, Jan, Mar, April	—
125. <i>Plutella maculipennis</i>	3 December, February	—
126. <i>Protosynaema steropucha</i>	2 December	—

Family LYONETIDAE

127. <i>Erechthias terminella</i>	5 December, March, April	—
128. <i>Hectacma chionodira</i>	4 January, February	—
129. <i>Opogona comptella</i>	2 February	—
130. <i>Opogona omoscopa</i>	57 December-April	Dec-Apr

Family COPROMORPHIDAE

131. <i>Phycomorpha metachrysa</i>	1 December	—
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Family HELIODINIDAE

132. <i>Stathmopoda aposema</i>	1 January	—
133. <i>Stathmopoda phlegrya</i>	15 December-April	Dec, Feb

Family TINEIDAE

134. <i>Archyala terranea</i>	1 December	—
135. <i>Monopis ethelella</i>	41 December-May	Mar
136. <i>Sagephora phortegella</i>	2 December, April	—

Family COSMOPTERYGIDAE

137. <i>Batrachedra arenosella</i>	1 January	—
138. <i>Pyroderces apparitella</i>	1 February	—

Family ELACHISTIDAE

<i>Species</i>	<i>No. Adults recorded</i>	<i>Max. abundance</i>
139. <i>Elachista archaeonoma</i>	5 December	Dec

Family GLYPHIPTERYGIDAE

140. <i>Choreutis bjerkandrella</i>	1 April	—
141. <i>Glyphipteryx achlyoessa</i>	5 December, January	Dec

Family HEPIALIDAE

142. <i>Wiseana cervinata</i>	6 December	—
143. <i>Wiseana signata</i>	38 December-April	Feb
144. <i>Wiseana umbraculata</i>	36 December-February	Dec

NOTES:

- (1) Identification of the less common species taken was made with the aid of the works of G. V. Hudson (1928, 1939, 1951). The identifications were checked, where possible, against specimens in the Hudson collection or the main Dominion Museum collection. Representatives are retained in the author's collection.
- (2) It has recently been pointed out to the author that Viette (1950, 1961), has indicated that the generic name *Oxycanus*, used by the author in recent papers (Gaskin, 1964, a, b, c) must give way to *Wiseana*, used here.

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