ANNOTATED LIST OF ONTARIO LEPIDOPTERA

J. C. E. RIOTTE
J. C. E. RIOTTE

ANNOTATED LIST OF ONTARIO LEPIDOPTERA

ROM
ROYAL ONTARIO MUSEUM
LIFE SCIENCES
MISCELLANEOUS PUBLICATIONS
ROYAL ONTARIO MUSEUM
PUBLICATIONS IN LIFE SCIENCES

The Royal Ontario Museum publishes three series in the Life Sciences:
CONTRIBUTIONS: a numbered series of original scientific publications.
OCCASIONAL PAPERS: a numbered series of original scientific publications, primarily short and of
taxonomic significance.
MISCELLANEOUS PUBLICATIONS: an unnumbered series on a variety of subjects.

All manuscripts considered for publication are subject to the scrutiny and editorial policies of the
Life Sciences Editorial Board, and to independent refereeing by two or more persons, other than
Museum staff, who are authorities in the particular field involved.

LIFE SCIENCES EDITORIAL BOARD
Senior editor: M. D. Engstrom
Editor: D. Collins
Editor: K. Coates
External editor: C. S. Churcher

Manuscript editor: Judith Eger
Production editor: K. K. Mototsune

J. C. E. Riote is Research Associate, Department of Entomology, Bishop Museum, Honolulu,
Hawaii, and research associate, Department of Entomology, Royal Ontario Museum.

The Royal Ontario Museum is an agency of the Ontario Ministry of Culture and
Communications.

Canadian Cataloguing in Publication Data
Riotte, J. C. E.
Annotated list of Ontario lepidoptera

(Life sciences miscellaneous publication)
Includes bibliographical references and index.

II. Title. III. Series.

QL552.R56 1992 595.78'09713 C91-095769-X

Publication date: June 1992
ISSN 0082-5093

© 1992 Royal Ontario Museum
100 Queen's Park, Toronto, Canada M5S 2C6

Typesetting by True to Type Inc.
Printed and bound in Canada

Cover: Luna moth, Actias luna
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Figure 1</th>
<th>viii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Materials and Methods</td>
<td>6</td>
</tr>
<tr>
<td>List of Species</td>
<td>9</td>
</tr>
<tr>
<td>Order Lepidoptera</td>
<td>9</td>
</tr>
<tr>
<td>Suborder Zeugloptera</td>
<td>9</td>
</tr>
<tr>
<td>Superfamily Micropterigoidea</td>
<td>9</td>
</tr>
<tr>
<td>Family Micropterigidae</td>
<td>9</td>
</tr>
<tr>
<td>Suborder Exoporia</td>
<td>9</td>
</tr>
<tr>
<td>Superfamily Hepialoidea</td>
<td>9</td>
</tr>
<tr>
<td>Family Hepialidae</td>
<td>9</td>
</tr>
<tr>
<td>Suborder Monotrysia</td>
<td>10</td>
</tr>
<tr>
<td>Superfamily Nepticuloidea</td>
<td>10</td>
</tr>
<tr>
<td>Family Nepticulidae</td>
<td>10</td>
</tr>
<tr>
<td>Superfamily Incurvarioidea</td>
<td>10</td>
</tr>
<tr>
<td>Family Incurvariidae</td>
<td>10</td>
</tr>
<tr>
<td>Subfamily Incurvariinae</td>
<td>10</td>
</tr>
<tr>
<td>Subfamily Adelinae</td>
<td>10</td>
</tr>
<tr>
<td>Suborder Ditrysia</td>
<td>11</td>
</tr>
<tr>
<td>Superfamily Tineoidea</td>
<td>11</td>
</tr>
<tr>
<td>Family Psychidae</td>
<td>11</td>
</tr>
<tr>
<td>Subfamily Taleporiinae</td>
<td>11</td>
</tr>
<tr>
<td>Subfamily Psychinae</td>
<td>11</td>
</tr>
<tr>
<td>Superfamily Gelechioidea</td>
<td>11</td>
</tr>
<tr>
<td>Superfamily Copromorphoidea</td>
<td>11</td>
</tr>
<tr>
<td>Family Alucitidae</td>
<td>11</td>
</tr>
<tr>
<td>Superfamily Yponomeutoidea</td>
<td>11</td>
</tr>
<tr>
<td>Family Yponomeutidae</td>
<td>11</td>
</tr>
<tr>
<td>Superfamily Sesioidea</td>
<td>12</td>
</tr>
<tr>
<td>Family Sesiidae</td>
<td>12</td>
</tr>
<tr>
<td>Subfamily Tinthiinae</td>
<td>12</td>
</tr>
<tr>
<td>Subfamily Paranthreninae</td>
<td>12</td>
</tr>
<tr>
<td>Subfamily Sesiinae</td>
<td>12</td>
</tr>
<tr>
<td>Family Choreutidae</td>
<td>14</td>
</tr>
<tr>
<td>Subfamily Choreutinae</td>
<td>14</td>
</tr>
<tr>
<td>Superfamily Cossoidea</td>
<td>14</td>
</tr>
<tr>
<td>Family Cossidae</td>
<td>14</td>
</tr>
<tr>
<td>Subfamily Cossinae</td>
<td>14</td>
</tr>
<tr>
<td>Superfamily</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>---</td>
</tr>
<tr>
<td>Tortricoidea</td>
<td>15</td>
</tr>
<tr>
<td>Hesperioidea</td>
<td>15</td>
</tr>
<tr>
<td>Hesperiidae</td>
<td>15</td>
</tr>
<tr>
<td>Subfamily Pyrginae</td>
<td>15</td>
</tr>
<tr>
<td>Subfamily Heteropterinae</td>
<td>17</td>
</tr>
<tr>
<td>Subfamily Hesperiinae</td>
<td>18</td>
</tr>
<tr>
<td>Papilionoidea</td>
<td>22</td>
</tr>
<tr>
<td>Papilionidae</td>
<td>23</td>
</tr>
<tr>
<td>Subfamily Papilioninae</td>
<td>23</td>
</tr>
<tr>
<td>Pieridae</td>
<td>24</td>
</tr>
<tr>
<td>Subfamily Pierinae</td>
<td>24</td>
</tr>
<tr>
<td>Subfamily Anthocharinae</td>
<td>26</td>
</tr>
<tr>
<td>Subfamily Coliadinina</td>
<td>26</td>
</tr>
<tr>
<td>Lycaenidae</td>
<td>28</td>
</tr>
<tr>
<td>Subfamily Liphyrinae</td>
<td>28</td>
</tr>
<tr>
<td>Subfamily Lycaeninae</td>
<td>28</td>
</tr>
<tr>
<td>Subfamily Eumaeinae</td>
<td>29</td>
</tr>
<tr>
<td>Subfamily Polyommatinae</td>
<td>32</td>
</tr>
<tr>
<td>Riodinidae</td>
<td>34</td>
</tr>
<tr>
<td>Libytheidae</td>
<td>34</td>
</tr>
<tr>
<td>Subfamily Libytheinae</td>
<td>34</td>
</tr>
<tr>
<td>Nymphalidae</td>
<td>34</td>
</tr>
<tr>
<td>Subfamily Nymphalinae</td>
<td>34</td>
</tr>
<tr>
<td>Subfamily Argynninae</td>
<td>37</td>
</tr>
<tr>
<td>Subfamily Melitaeinae</td>
<td>39</td>
</tr>
<tr>
<td>Subfamily Limenitidinae</td>
<td>41</td>
</tr>
<tr>
<td>Subfamily Charaxinae</td>
<td>42</td>
</tr>
<tr>
<td>Satyridae</td>
<td>42</td>
</tr>
<tr>
<td>Subfamily Elymniinae</td>
<td>42</td>
</tr>
<tr>
<td>Subfamily Satyrinae</td>
<td>43</td>
</tr>
<tr>
<td>Danaidae</td>
<td>45</td>
</tr>
<tr>
<td>Subfamily Danainae</td>
<td>45</td>
</tr>
<tr>
<td>Zygaenoidea</td>
<td>45</td>
</tr>
<tr>
<td>Zygaenidae</td>
<td>45</td>
</tr>
<tr>
<td>Limacodidae</td>
<td>45</td>
</tr>
<tr>
<td>Pyraloidea</td>
<td>47</td>
</tr>
<tr>
<td>(Series Crambiformes)</td>
<td>47</td>
</tr>
<tr>
<td>Subfamily Scopariinae</td>
<td>47</td>
</tr>
<tr>
<td>Subfamily Nymphulinae</td>
<td>48</td>
</tr>
<tr>
<td>Subfamily Odontiinae</td>
<td>49</td>
</tr>
</tbody>
</table>
Subfamily Glaphyriinae 49
Subfamily Evergestinae 50
Subfamily Pyraustinae 50
Subfamily Schoenobiinae 54
Subfamily Crambinae 54

(Series Pyraliformes) 57
Subfamily Pyralinae 57
Subfamily Chrysauginae 58
Subfamily Epipaschiinae 58
Subfamily Galleriinae 59
Subfamily Phycitinae 59
Subfamily Peoriinae 63

Superfamily Thyridioidea 64
Family Thyrididae 64
Subfamily Thyridinae 64

Superfamily Pterophoroidea 64
Family Pterophoridae 64
Subfamily Platyptilinae 64
Subfamily Pterophorinae 65

Superfamily Drepanoidea 66
Family Thyatiridae 66
Subfamily Thyatirinae 66
Family Drepanidae 67
Subfamily Drepaninae 67
Subfamily Oretinae 68

Superfamily Geometroidea 68
Family Geometridae 68
Subfamily Archiearinae 68
Subfamily Oenochrominae 68
Subfamily Geometrinae 68
Subfamily Sterrhinae 70
Subfamily Larentiinae 71
Subfamily Ennominae 79

Family Epiplemidae 95

Superfamily Mimallonoidea 96
Family Mimallonidae 96

Superfamily Bombycoidea 96
Family Apatelodidae 96
Subfamily Apatelodinae 96

Family Lasiocampidae 97
Subfamily Macromphaliinae 97
Subfamily Heliothinae 167
Acknowledgements 168
Literature Cited 169
Index of Scientific Names 176
Figure 1. The four main faunal regions of Ontario. The $0^\circ$C annual mean temperature isotherm is indicated, and has been adopted here as the southern limit of northern Ontario. See Introduction for discussion.
INTRODUCTION

This publication summarizes the current knowledge concerning the distribution of Ontario Lepidoptera, exclusive of the Copromorphoidea (in part), Gelechioidea, Tineoidea (in part), Tortricoidea, and Yponomeutoidea (in part). These superfamilies have been excluded because they have not yet been sufficiently studied and are not represented by reliably identified specimens in most collections.

In 1959 I published a "Revision of C. J. S. Bethune's list of the butterflies of the eastern provinces of Canada as far as northern Ontario is concerned" (Riotte, 1959). That list, which has since been revised (Riotte, 1962b, 1971a), was to be the first instalment of a distributional list of all Ontario Lepidoptera. My subsequent studies of the Lepidoptera of southern Ontario resulted in a checklist of Ontario skippers and butterflies (Riotte, 1970a). This present publication compiles the collection records of various institutions, the seasonal summaries published by the Toronto Entomologists' Association for 1969–1988, and other regional lists.

Ontario, the second largest Canadian province, extends through 15 degrees of latitude and encompasses the widest range of environments of any Canadian province, ranging from tundra on the shores of Hudson Bay to temperate deciduous forests on the northern shores of Lake Erie and Lake Ontario (see Munroe, 1956). Ontario's four main faunal regions (Snyder, 1939), shown in Figure 1, are based on both climatic and geologic factors. Region 4 encompasses the whole of southern Ontario, and the line A–B (Figure 3) represents the approximate northern limit of the Carolinian Zone in Ontario. Region 3, the boreal forest region, extends south of the 0°C annual mean temperature isotherm to the climatic boundary separating the Laurentian Plateau from the Lower Great Lakes Region (Figure 2, line C–D). Region 2, the taiga, is the next most northern region and is bounded in the south by the 0°C annual mean temperature isotherm. Region 1, the tundra, is restricted to a narrow band along the shores of Hudson Bay and James Bay.

It should be noted that the boundary between the deciduous and boreal forest regions is discontinuous. For example, the boundary between white pine (Pinus strobus) / hemlock (Tsuga canadensis) forests and the mixed forests of the northern hardwoods region traces the following lines: extends from southern Ontario over southeastern into northeastern Ontario; meets the eastern shore of Lake Superior at about Michipicoten; is found on Michipicoten Island in Lake Superior; is seen again along the western shore southwest of Thunder Bay (Neebing Township) where it apparently penetrates from Minnesota; and then continues from about the Nipigon River westward into Manitoba (Lake of the Woods). The western part of the region, although lying between 48° and 49°36' north latitude, resembles more closely the southern section in the east below 46°36' north latitude than the corresponding northern latitudes of the eastern part of the region.
Figure 2. Districts and selected localities in central, western, and northern Ontario. The line C–D approximates the 4.5°C annual mean daily temperature isotherm, and has been adopted here as the northern limit of southern Ontario.
Figure 3. Counties, districts, regional municipalities, and selected localities in southern Ontario. The dashed line indicates the approximate southern and eastern limits of the Canadian Shield in Ontario. The line A-B represents the approximate northern limit of the Carolinian Zone in Ontario.
Temperature seems to be the primary environmental factor that determines the faunal regions of Ontario. Table 1 shows representative temperatures for localities listed in Figures 2 and 3 arranged from north to south. For detailed information see the publications of the Canada Department of Transport, Meteorological Division (e.g., 1947, 1954, 1964).

Needless to say, these climatic differences strongly influence lepidopteran populations. It has been suggested that the climate of Ontario has become generally milder (Baker, 1955; Miller, 1956; Urquhart, 1957). This may explain the occasional newcomers to the fauna of southwestern Ontario and the extension of well-established southern species’ ranges into the north (e.g., Munroe, 1957). On the other hand, northern influences and relicts are to be found far to the south in the acid bogs which, although numerous in the boreal forest region, are also found singly in the deciduous forest region, e.g., near Hamilton and London (Byron Bog).

There are fewer species encountered the farther north one travels. The

<table>
<thead>
<tr>
<th>Locality</th>
<th>January</th>
<th>July</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trout Lake (Fort Severn)</td>
<td>-23.5</td>
<td>16.0</td>
<td>-3.0</td>
</tr>
<tr>
<td>Fort Frances</td>
<td>-16.0</td>
<td>20.0</td>
<td>3.3</td>
</tr>
<tr>
<td>Sioux Lookout</td>
<td>-19.4</td>
<td>18.3</td>
<td>1.3</td>
</tr>
<tr>
<td>Lansdowne House</td>
<td>-22.4</td>
<td>17.2</td>
<td>-1.4</td>
</tr>
<tr>
<td>Moose Factory (Moosonee)</td>
<td>-21.2</td>
<td>15.5</td>
<td>-1.7</td>
</tr>
<tr>
<td>Nakina</td>
<td>-18.8</td>
<td>16.5</td>
<td>0.2</td>
</tr>
<tr>
<td>Horneypayne</td>
<td>-20.0</td>
<td>15.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Longlac (Geraldton)</td>
<td>-19.4</td>
<td>16.5</td>
<td>0.2</td>
</tr>
<tr>
<td>Nipigon</td>
<td>-13.8</td>
<td>17.2</td>
<td>1.1</td>
</tr>
<tr>
<td>Biscotasing</td>
<td>-16.6</td>
<td>16.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Sault Ste. Marie</td>
<td>-11.1</td>
<td>17.2</td>
<td>3.3</td>
</tr>
<tr>
<td>Sudbury</td>
<td>-12.2</td>
<td>18.9</td>
<td>3.9</td>
</tr>
<tr>
<td>Manitoulin Island</td>
<td>8.8</td>
<td>17.7</td>
<td>4.4</td>
</tr>
<tr>
<td>Algonquin Park</td>
<td>-11.6</td>
<td>17.7</td>
<td>3.3</td>
</tr>
<tr>
<td>Ottawa</td>
<td>-11.1</td>
<td>21.1</td>
<td>5.6</td>
</tr>
<tr>
<td>Kingston (Chaffeys Locks)</td>
<td>-7.2</td>
<td>20.0</td>
<td>6.6</td>
</tr>
<tr>
<td>Trenton</td>
<td>-7.2</td>
<td>21.1</td>
<td>7.2</td>
</tr>
<tr>
<td>Muskoka (meteorological observation station)</td>
<td>-10.0</td>
<td>18.9</td>
<td>5.2</td>
</tr>
<tr>
<td>Orillia</td>
<td>-8.3</td>
<td>20.0</td>
<td>5.6</td>
</tr>
<tr>
<td>Toronto</td>
<td>-5.0</td>
<td>20.6</td>
<td>7.2</td>
</tr>
<tr>
<td>Owen Sound</td>
<td>-6.6</td>
<td>20.6</td>
<td>7.2</td>
</tr>
<tr>
<td>Guelph</td>
<td>-6.6</td>
<td>20.0</td>
<td>6.6</td>
</tr>
<tr>
<td>St. Catharines</td>
<td>-3.3</td>
<td>21.6</td>
<td>8.9</td>
</tr>
<tr>
<td>Chatham</td>
<td>3.8</td>
<td>22.8</td>
<td>8.9</td>
</tr>
<tr>
<td>Pelee Island</td>
<td>3.8</td>
<td>23.9</td>
<td>9.4</td>
</tr>
</tbody>
</table>
The greatest number of species is found in the deciduous forests of southwestern Ontario where several southern species reach their northern limit. But the mixed forests of southern Ontario are hardly "poor in species"; most of the species living in Ontario are represented there, too. Some species apparently do not cross the southern frontier of this region.

The boreal forests of central and western Ontario and of the southern parts of northern Ontario are still comparatively rich in moth species, but species richness, especially in the notodontids, decreases rapidly to the north. In fact, a reduction in species is already noticeable in the northeastern part of the mixed forest region. Most species are restricted to the boreal forests, but some species are collected on occasion in more southerly localities.

The presence of mixed forests west of Lake Superior—characterized by sumac (Rhus sp.), oak shrubs (Quercus sp.), and maple trees (Acer spp.)—as far north as Kenora, and of maple shrubs as far north as Macdiarmid, lends a special character to the fauna and flora of Ontario. These forests continue westward into Manitoba and support populations of some western species of Lepidoptera in northwestern Ontario. Here one might be surprised to find species that, east of Lake Superior, occur only much farther south.

The large forested areas of southern Ontario (e.g., Algonquin Park and Muskoka) are ideal breeding grounds for notodontids, noctuids, and geometrids. The area south of the Muskoka District, which 50 to 70 years ago yielded many species, is now largely under cultivation and supports fewer and fewer species.
MATERIALS AND METHODS

Compared to the butterflies, Ontario moths suffer a more serious lack of material, observations, and thorough collecting. Moreover, there is no previous list to build on, except the one found in the chapter dealing with insects and their allies by E. M. Walker (1913) in “The natural history of the Toronto region.” Most of the earlier material in collections was acquired casually, although planned collection in Ontario can be traced for more than 100 years. The majority of available material has been collected over the last three or four decades. Only through the continued use of superactinic fluorescent (“blacklight”) and mercury vapour lamps will we be able to obtain a more complete picture of the moths of the province.

The material used for compilation of the present list is accessible in the following collections: American Museum of Natural History, New York, New York 10024 (AMNH); Canadian National Collection, Biosystematics Research Centre, Ottawa, Ontario K1A 0C6 (CNC); Carnegie Museum of Natural History, Pittsburgh, Pennsylvania 15213 (CM); Field Museum of Natural History, Chicago, Illinois 60605 (FM); Lyman Entomological Museum, Macdonald College, Ste-Anne-de-Bellevue, Quebec H9X 3M1 (LEM); McMaster University, Hamilton, Ontario L8S 4L8 (McM); Queen’s University, Kingston, Ontario K7L 3N6 (QU); Royal Ontario Museum, Toronto, Ontario M5S 2C6 (ROM); University of Guelph, Guelph, Ontario N1G 2W1 (UG); The University of Western Ontario, London, Ontario N6A 3K7 (UWO). Also used were Bethune’s notebook (Beth) in the archives of the ROM, the seasonal summaries published by the Toronto Entomologists’ Association for 1969–1988, and the following regional accounts: Freeman (1969), Judd (1963, 1970), Lafontaine (1972), Lamb (1967), Layberry, Lafontaine, and Hall (1980), and Worrington (1983). Distribution records taken from these last publications are indicated by an asterisk (*) in the checklist.

This study is based on material that can be traced to the following main sources:

a) the historical collections of C. J. S. Bethune, W. Brodie, J. D. Evans, J. Fletcher, J. Macoun, J. A. Morden, H. S. Saunders, C. J. Tyers, and F. W. Warwick. Many specimens from these early collectors are preserved in the CNC and ROM. For further information about the historic development of entomology in Ontario, see Glen (1956).

b) material collected in the first decades of this century and later by enthusiastic private collectors, especially H. V. Andrews (Toronto), H. Dawson (Hymers), P. Hahn (Toronto), H. S. Parish (Toronto), G. E. Scott (Severn Bridge), R. S. Scott (Toronto), I. M. Smith (Port Credit), and W. Plath (Hamilton, whose valuable geometrid collection is now in the ROM). Their material has found its way into the ROM and other institu-
tional collections either directly or subsequently by donation or purchase (e.g., the Buchholz collection in AMNH or B. P. Clark's sphingid collection in CM).

c) material collected for institutions, especially by the following collectors: E. M. Walker (especially De Grassi Point on Lake Simcoe); F. P. Ide (especially Ottawa and vicinity); N. K. Bigelow in the 1920s (Macdiarmid and Low Bush); and R. V. Whelan in the 1930s (important collections in Smoky Falls). Members of ROM summer expeditions to selected northern Ontario localities provided some material: G. M. Neal, 1937 (Temagami Forest Reserve), and 1938 (Favourable Lake); S. C. Downing, 1939 (Fraserdale, Moosonee, and Onakawana); C. E. Hope, 1939 (Lansdowne House on Lake Attawapiskat), and 1940 (Fort Severn); F. A. Urquhart, 1942 (Big Piskwanish, Fort Albany, and Nettichi River); W. Y. Watson, 1945 and 1948 (Cape Henrietta Maria), and 1947 (Malachi, Nakina, and Sioux Lookout). I have included my own collecting: since 1952 in Geraldton, Nakina, and Nipigon (all in Thunder Bay District); since 1956 in Toronto, Sudbury, and One Sided Lake (in Rainy River District), and with the support of W. Hartley in (South) Neebing Township near Thunder Bay (material in AMNH, CNC, ROM); in 1963, 1964, and 1969–1975 in Chaffeys Locks (near Kingston); in 1965 in Rondeau Provincial Park and Algonquin Park; in 1966 in Geraldton and Chaffeys Locks; in 1967 in Kendal; in 1968 in Cawaja Beach. Finally, collectors include workers at the Algonquin Park Nature Museum for the Ontario Ministry of Natural Resources; workers at the Park Museum at Rondeau Provincial Park for the Ontario Ministry of Natural Resources; members of the Canadian Northern Insect Survey, organized by the former Division of Entomology of the Canada Department of Agriculture, D. F. Hardwick, 1949 (Moosonee); J. B. Wallis, 1952 (Ogoki Post); and A. B. Klots and F. H. Rindge of the AMNH, 1955 (Geraldton, Nakina, Nipigon, and western Ontario).

d) material collected by members of the Biosystematics Research Centre, Canada Department of Agriculture, CNC. Here, particular mention should be made of the specimens collected by J. H. McDunnough, T. N. Freeman (especially southwestern Ontario), J. E. H. Martin (Marmora), E. G. Munroe, and employees of the entomological and other biological laboratories throughout the province.

Also deserving of special mention is the Forest Insect and Disease Survey (FIDS) established under the Forest Entomology and Pathology Branch of the former Canada Department of Forestry. Centred around the Forest Insect Laboratory in Sault Ste. Marie, Ontario, the FIDS assembles information about forest insects through the services of the Forest Biology Rangers, and publishes annual reports and distributional records (see McGugan, 1958;
Prentice, 1962, 1963, 1965; Raizenne, 1952). The present study would have been less comprehensive than it is were it not for the FIDS research, the availability of its reference collections in Ottawa and Sault Ste. Marie, and the original reports and reference cards prepared for its published distributional maps. For this study FIDS records were used primarily for data on rare and especially interesting species. Detailed information about food plants may be found in the publications mentioned above and is not repeated here.

In general, nomenclature and classification follows the “Checklist of the Lepidoptera of America North of Mexico (MONA)” (Hodges et al., 1983). Species are arranged alphabetically within genera. Subspecies are omitted except for consideration in the notes. Vernacular English and French names are added (English name/French name) if listed in “Noms français d’insectes au Canada avec noms latins et anglais correspondants” (Benoit, 1975). Distributional information is given following the species name, by region (see Fig. 1). In some cases, an “s” or “n” is added to indicate occurrence in only the southernmost or northernmost parts of a region. Where only a single locality is known, this is given in the text. Ontario type localities are noted if known. For most families, detailed occurrences by county and/or district (with reference to the Ontario Gazetteer of 1974) are listed for each region (see Figs. 2 and 3). Remarks on specimens examined, flight period, number of generations, and food plant are appended following the distributional summary when available and relevant. In a few instances, information on crossbreeding and rearing experiments is included together with new evidence for the taxonomic status of Ontario populations. In the superfamily Pyraloidea and in the family Noctuidae, only the faunal regions are given; I feel that considerably more research and collecting would be necessary in these groups to provide a more detailed breakdown that does not create erroneous impressions of distribution. Further information on the Noctuidae is available in Rockburne and Lafontaine (1976). Additional information is also provided in the moth checklist for southeastern Ontario (Ward, Harmsen, and Hebert, 1974).

Throughout the list, the following abbreviations and terms are used: Dist. for District, Co. for County, Twp. for Township; the Latin auct. (au
torum) to mean of various authors, part. (partim) to mean in part, and teste to indicate that one author’s word is accepted for the record; the Toronto Entomologists’ Association is identified as TEA.

The records from the Ontario tundra region are published here for the first time. This material is in the collection of the Royal Ontario Museum, which sent field parties to Fort Severn in 1940 and in Cape Henrietta Maria in 1948. Also remarkable are the several southern records (noted in the list) from a light trap operated by the Entomology Laboratory, Canada Department of Agriculture, in Chatham in southwestern Ontario.
LIST OF SPECIES

ORDER LEPIDOPTERA
SUBORDER ZEUGLOPTERA

Superfamily Micropterigoidea
Family Micropterigidae

Genus Epimartyria Walsingham

E. auricrinella Walsingham. 2: Cochrane. 4: Carleton; Simcoe. 4 May–18 July. CNC. Known only from a few localities.

SUBORDER EXOPORIA

Superfamily Hepialoidea
Family Hepialidae

Genus Sthenopis Packard

S. argenteomaculatus (Harris). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Halton; Kent; Leeds; Nipissing; Simcoe; Waterloo. 21 June–29 July. AMNH, Beth, CNC, McM, ROM, UG. Common.

S. auratus Grote. 4: Carleton; Leeds; Muskoka; Peterborough. Mid July. CNC, ROM. Known from very few specimens.

S. purpurascens (Packard). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Essex; Leeds; Muskoka. 19 June–16 August. AMNH, CM, CNC, LEM, QU, ROM. Common.

S. quadriguttatus (Grote). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Hastings; Muskoka; Nipissing; York. 20 June–19 August. AMNH, Beth, CM, CNC, McM, ROM, UG. Common.

S. thule Strecker. 4: Carleton; Grenville; Hastings; Lanark; Leeds. 20 June–23 July. CNC, ROM, UG. Known only from a few specimens.

Genus Korscheltellus Börner [= Hepialus Fabricius, part.]

K. gracilis (Grote). 2: Kenora, Patricia Portion. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton. 3 July–4 August. AMNH, CNC, ROM. Uncommon. The synonym K. mustelinus (Packard) from 4: Muskoka. 26 July–13 September. CM, ROM. Known only from a few specimens. See Wagner (1988).
Genus *Gazoryctra* Hübner [= *Hepialus* Fabricius, part.]

*G. noviganna* (Barnes and Benjamin). 3: Thunder Bay. 11 August–9 September. Larvae as late as early November. Beth, CNC, LEM, ROM. Significant numbers of specimens from only two localities (Black Sturgeon Lake and Hymers) in the three collections; ROM specimens identified by N. B. Tindale, an Australian hepialid specialist; species referred to by Forbes (1923) as “hyperboreus Moeschler.” See Wagner and Tindale (1988).

**SUBORDER MONOTRYSIA**

Superfamily Nepticuloidea
Family Nepticulidae

Genus *Ectoedemia* Busck

*E. populella* Busck. 3: Rainy River. 4: Carleton; Norfolk. CNC.

Superfamily Incurvarioidea
Family Incurvariidae
Subfamily Incurvariinae

Genus *Lampronia* Stephens [= *Incurvaria* Haworth]

*L. taylorella* (Kearfott). 4: Muskoka (Gravenhurst, 23 June 1904). ROM.

Genus *Paraclemensia* Busck

*P. acerifoliella* (Fitch). 4: mainly southeastern Ontario as far west as Sault Ste. Marie.

Subfamily Adelinae

Genus *Adela* Latreille

*A. purpurea* Walker. 3: Thunder Bay. 4: Carleton; Muskoka (Severn Bridge, 27 April); Peel (Innis Lake, 5 May 1940). CNC, ROM.

*A. ridingsella* Clemens. 4: Carleton; Simcoe. CNC.
SUBORDER DITRYSIA

Superfamily Tineoidea (in part)
   Family Psychidae
   Subfamily Taleporiinae

Genus Solenobia Dupont

*S. walshella* Clemens. 4: Carleton; Leeds; Ontario; Simcoe. 15 April–23 May. CNC, ROM. Known only from a few localities.

Subfamily Psychinae

Genus *Psyche* Schrank


Genus Astala Davis [= *Eurycyttarus* Hampson]

*A. confederata* (Grote and Robinson). 4: Essex; Halton; Victoria. July. CNC, ROM. Known only from a few localities.

Superfamily Gelechioidea (not included in this list)
   Superfamily Copromorphoidea (in part)
   Family Alucitidae

Genus Alucita Linné

*A. hexadactyla* Linné [= *huebneri* (Wallengren)]. 2. 4. CNC, ROM.

Superfamily Yponomeutoidea (in part)
   Family Yponomeutidae

Genus Atteva Walker

*A. punctella* (Cramer) [= *aurea* Fitch]. 4: Essex*; Haldimand; Kent; Leeds; Simcoe. CNC, ROM.
Genus *Yponomeuta* Latreille

*Y. atomocellus* Dyar. 4s: Essex (Point Pelee). CNC.

*Y. multipunctellus* Clemens. 1: Essex. 4: Haldimand; Hastings; Lincoln; Middlesex; Simcoe; York. CNC, ROM.


Superfamily Sesioidea

Family Sesiidae

See Engelhardt (1946).

Subfamily Tinthiinae

Tribe Pennisetiiini

Genus *Pennisetia* Dehne

*P. marginata* (Harris). 3: Thunder Bay. 4: Carleton; Lincoln; Nipissing; Simcoe; Wellington. ROM.

Subfamily Paranthreninae

Tribe Paranthrenini

Genus *Paranthrene* Hübner

*P. asilipennis* (Boisduval). 4s: Wentworth (Hamilton, 30 May 1916). ROM.

Genus *Vitacea* Engelhardt

*V. polistiformis* (Harris). 3: Cochrane. 4: York. ROM.

Genus *Albuna* Hy. Edwards

*A. fraxini* (Hy. Edwards). 4s: Lincoln (Niagara Falls). CNC.

*A. pyramidalis* (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Cochrane; Sudbury; Thunder Bay. 4: Middlesex; Parry Sound; York. CNC, ROM.

Subfamily Sesiinae

Tribe Melittiini

Genus *Melittia* Hübner

*M. cucurbitae* (Harris). 4: York*.
Tribe Sesiini

Genus Sesia Fabricius

*S. tibialis* (Harris). 3: Thunder Bay*.

Tribe Synanthedonini

Genus Synanthedon Hübner

*S. albicornis* (Hy. Edwards). 4: Carleton; Essex; Leeds; Middlesex; Norfolk; Oxford; Prince Edward. CNC, ROM.

*S. acerni* (Clemens). 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Norfolk; Peterborough*; Simcoe; Welland; York. CNC, ROM.

*S. acerrubri* Engelhardt. 4: Simcoe (Orillia). CNC.


*S. exitiosa* (Say). 3: Thunder Bay*. 4: Carleton; Lincoln; Middlesex; Wellington; Wentworth; York. CNC, ROM.

*S. fulvipes* (Harris). 3: Rainy River; Thunder Bay*. 4: Carleton; Lincoln. CNC.


*S. pictipes* (Grote and Robinson). 3: Thunder Bay*. 4: Carleton; Lincoln; Norfolk; Wentworth; York. CNC, ROM.

*S. pini* (Kellicott). 4: Carleton; Hastings; Renfrew. CNC.


*S. pyri* (Harris). 4s: York. ROM.

*S. saxifragae* (Hy. Edwards). 3: Rainy River (One Sided Lake). CNC.

*S. scitula* (Harris). 4: Grenville; Lincoln; Norfolk; Peel; York. CNC, ROM.

*S. tipuliformis* (Clerck). 4: Hastings; Kent; Middlesex; Norfolk; Peel; York. CNC, ROM.

*S. viburni* Engelhardt. 4s: Lincoln; Wellington. CNC.

Genus Podosesia Möschler

*P. syringae* (Harris). 3: Thunder Bay*. 4n: Carleton. CNC.

Genus Carmenta Hy. Edwards

*C. bassiformis* (Walker) [= *aureopurpura* (Hy. Edwards)]. 4: Victoria. CNC.

C. pyralidiformis (Walker). 4: Hastings; Lincoln; Middlesex; Norfolk. CNC, ROM.

Genus *Penstemonia* Engelhardt

*P. dammersi* Engelhardt. 4: Lincoln; Norfolk. CNC.

*P. edwardsii* (Beutenmüller). 4: Lincoln; Simcoe. CNC.

Genus *Alcathoe* Hy. Edwards

*A. caudata* (Harris). 4: Hastings; Peel; York. CNC, ROM.

Family Choreutidae
Subfamily Choreutinae

Genus *Anthophila* Haworth

*A. alpinella* (Busck). 4: Carleton. CNC.

Genus *Prochoreutis* Diakonoff and Heppner

*P. inflatella* (Clemens). 4: Carleton. CNC.

Genus *Caloreas* Heppner

*C. leucobasis* (Dyar). 4: Carleton. CNC.

Genus *Tebenna* Billberg

*T. onustana* (Walker). 4: Carleton. CNC.

Genus *Choreutis* Hübner

*C. diana* (Hübner). 3: Thunder Bay. 4: Carleton. CNC.
*C. pariana* (Clemens). 4: Carleton; Frontenac; Simcoe; Wentworth. CNC.

Superfamily Cossoidea
Family Cossidae
Goat-moths, carpenterworms.

Subfamily Cossinae
Genus *Acossus* Dyar

*A. centerensis* (Lintner). Poplar carpenterworm/ver charpentier du peuplier. 3: Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Leeds; Middlesex; Muskoka; Nipissing; Simcoe; York. 10 June–26 July. AMNH, CNC, LEM, ROM.

*A. populi* (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 27 June–12 August. AMNH, CNC, LEM, ROM. Evidently more northern than the previous species.

Genus *Prionoxystus* Grote

*P. macmurtrei* (Guérin-Méneville). Little carpenterworm/petit ver charpentier. 2: Thunder Bay. 3: Thunder Bay. 4: Durham; Frontenac; Huron; Kent; Leeds; York. 29 May–30 June. CNC, ROM. Known only from a few localities in very different faunal regions; the males are extremely rare in collections.

*P. robiniae* (Peck). 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Durham; Essex; Hastings; Kent; Leeds; York. 2 June–18 July. AMNH, CNC, ROM.

Superfamily Tortricoidea (not included in this list)

Superfamily Hesperioidea

Family Hesperiidae

Subfamily Pyrginae

Genus *Epargyreus* Hübner

*E. clarus* (Cramer). 3: Rainy River. 4: Brant*; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Halton; Huron; Kent; Lambton; Leeds; Lincoln; Manitoulin*; Middlesex; Muskoka; Norfolk; Northumberland; Peel; Peterborough; Prescott*; Renfrew; Russell; Simcoe; Waterloo*; Wentworth; York. End May–end September. AMNH, Beth, CNC, ROM, UG, UWO.

Genus *Achalarus* Scudder


Genus *Thorybes* Scudder

*T. bathyllus* (J. E. Smith). 4: Elgin; Essex; Haldimand; Lambton; Middlesex; Norfolk; Wentworth; York. Early June-mid July. CNC, ROM, UG.
T. pylades (Scudder). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming*. 4: Carleton; Bruce; Dundas*; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton*; Lanark; Leeds; Lincoln; Manitoulin*; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Renfrew*; Russell*; Simcoe; Stormont; Victoria; Wellington*; Wentworth; York. End May–end July. AMNH, Beth, CNC, ROM, UG, UWO.

Genus Staphylus Godman and Salvin

S. hayhurstii (Edwards). 4: Essex (Pelee Island. Point Pelee). June–mid September. ROM. Forbes (1960:69) said, “Evans considered our species a race of the Mexican S. mazans (Reakirt) but the genitalia are strikingly different.” Rare straggler from south.

Genus Erynnis Schrank

E. baptisiae (Forbes). 4: Essex (Leamington. Windsor, Ojibway Park); Lambton (Walpole Island*); Norfolk (St. Williams). June–end September. CNC. Known only from southwestern Ontario.

E. brizo (Boisduval and Leconte). 4: Essex*; Grey*; Halton; Huron*; Lambton; Manitoulin*; Middlesex; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Victoria; Wentworth. End April–end June. ROM. Specimens cited by Scudder (see Burns, 1964) from Ottawa could not be located.

E. horatius (Scudder and Burgess). 4: Essex (Point Pelee*); Lambton (Pinery Provincial Park); Norfolk. Early May–mid June and August. Known only from a few specimens in private collections until recently.

E. icelus (Scudder and Burgess). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dufferin; Dundas; Durham; Elgin*; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton*; Hastings; Huron; Lambton; Lanark*; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Prescott; Renfrew; Russell; Simcoe; Victoria; Welland; Wellington; Wentworth; York. Early May–early July. AMNH, Beth, CNC, ROM, UG, UWO.

E. juvenalis (Fabricius). 3: Algoma; Kenora; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peterborough; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early May–early July. CNC, ROM, UG.
E. lucilius (Scudder and Burgess). 3: Algoma. 4: Bruce; Carleton; Durham; Elgin*; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Russell; Victoria; Wellington; Wentworth; York. Early May–end August. CNC, ROM, UG, UWO.

E. martialis (Scudder). 4: Carleton; Essex*; Haldimand; Hastings; Kent; Lambton; Lincoln; Middlesex*; Norfolk; Victoria; Wentworth; York. Mid May–early August. CNC, ROM, UG.


E. zarucco (Lucas). 4: Ontario (Rouge River, 20 June 1935, T. Irwin). CNC. Known only from one specimen that was out of range even as a straggler.

Genus Pyrgus Hübner

P. centaureae (Rambur). 1: Kenora, Patricia Portion (Winisk*). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Kenora; Sudbury. Early June–mid July. AMNH, Beth, CNC, ROM. The record “Favourable Lake” (Riotte, 1959) should be corrected to “Lansdowne House.” Not reported often.

P. communis (Grote). 4: Essex; Lincoln (St. Catharines); York (Toronto, Cedarvale Ravine, Bathurst Street at St. Clair, 1982, TEA Summary 1982). End August–end September. ROM. Rarely reported and not known to overwinter in Ontario.

Genus Pholisora Scudder

P. catullus (Fabricius). 4: Carleton; Elgin; Essex; Haldimand; Halton; Huron; Kent; Lambton; Lincoln; Middlesex; Nipissing; Muskoka; Norfolk; Peel; Peterborough; Wentworth; York. End May–end August. CNC, ROM, UG, UWO. Widely distributed but not common.

Subfamily Heteropterinae

Genus Carterocephalus Lederer

C. palaemon (Pallas). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Carleton; Dufferin; Dundas; Grenville; Haliburton; Halton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Ontario; Parry Sound; Peterborough; Prescott; Renfrew*;
Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth*; York. End May–early July. AMNH, Beth, CNC, ROM, UG, UWO. Subspecies *C. p. mandan* (Edwards).

Subfamily Hesperiinae

**Genus Ancyloxypha** Felder

*A. numitor* (Fabricius). 2: Cochrane*; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Oxford; Peel; Peterborough; Perth; Prescott*; Prince Edward; Renfrew*; Russell; Stormont; Victoria; Wellington; Wentworth; York. End May–end July; in the south to early October. AMNH, CNC, ROM, UG, UWO.

**Genus Oarisma** Scudder


**Genus Thymelicus** Hübner

*T. lineola* (Ochsenheimer). 2: Cochrane (Hearst). 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid June–early September. AMNH, CNC, ROM, UG, UWO. Introduced from Europe; first recorded in Ontario in Middlesex (Hyde Park Corner) in 1910. Subsequently spread south (Michigan, Ohio, Kentucky, Pennsylvania, New Jersey) and to northcentral Ontario (Sudbury, Sault Ste. Marie, and north), eastern Ontario (Ottawa, Brockville), and western Ontario to Thunder Bay (Fort William), and very recently to northern Ontario proper to Cochrane (Hearst) as well as to the western provinces of Canada. See Pengelly (1960, 1965), Arthur (1962, 1966), Riotte (1962a), and Burns (1966) for additional information. The pale form has been reported in Ontario but is rare.
Genus *Hylephila* Billberg

*H. phyleus* (Drury). 4: Elgin*; Essex; Haldimand; Halton; Kent (Rondeau Provincial Park); Lambton; Peel; Wentworth; York. End July–mid October. ROM, UWO. May overwinter in Ontario but only second brood reported so far. See Wormington (1983).

Genus *Hesperia* Fabricius

*H. comma* (Linné). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay; Timiskaming. 4: Grey; Manitoulin; Muskoka; Nipissing; Parry Sound; Renfrew. Early July–early September. AMNH, Beth, CNC, ROM, UG.

*H. leonardus* Harris. 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Elgin*; Essex; Frontenac; Haldimand; Haliburton; Halton; Huron; Kent*; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew*; Russell; Wellington*; Wentworth; York. End July–end September. CNC, ROM, UG, UWO.

*H. sassacus* Harris. 2: Kenora. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. End May–end July; in the north, end June–July. CNC, LEM, ROM. Subspecies *H. s. manitoboides* (Fletcher) in northern populations; Thunder Bay (Nipigon, type locality).

Genus *Polites* Scudder

*P. coras* (Cramer) [= *peckius* (Kirby)]. 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early June–early September. AMNH, Beth, CNC, ROM, UG, UWO.

*P. mystic* (Edwards). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury*; Thunder Bay; Timiskaming. 4: Brant; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria;
Waterloo; Wellington; Wentworth; York. Early June–early August. AMNH, Beth, CNC, LEM, ROM, UG, UWO.

*P. origenes* (*Fabricius*) [*= manataaqua* (*Scudder*)]. 4: Brant; Carleton; Dufferin; Dundas; Durham; Elgin*; Essex; Frontenac; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Renfrew; Simcoe; Victoria; Waterloo; Welland*; Wellington; Wentworth; York. End June–early August. CNC, ROM, UG. Local.

*P. themistocles* (*Latreille*). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End May–end August. AMNH, Beth, CNC, ROM, UG, UWO.

*P. vibex* (*Geyer*). 4: York (Toronto, no date, Arthur Gibson). CNC. Known only from one specimen.

**Genus Wallengrenia Berg**

*W. egeremet* (*Scudder*). 3: Cochrane. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Haldimand; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Wellington; Wentworth; York. Mid June–mid August. CNC, ROM, UG, UWO.

**Genus Pompeius Evans**

*P. verna* (*Edwards*). 4: Brant*; Elgin*; Essex; Haldimand; Halton; Huron; Kent; Lambton; Lincoln; Middlesex; Norfolk; Northumberland; Peel; Wellington; Wentworth; York. End June–end July. CNC, ROM, UG. Rare and local.

**Genus Atalopedes Scudder**

*A. campestris* (*Boisduval*). 4: Essex*; Middlesex (London, 21 September 1968, Ken Thorne). End June–end September. Known only from the one London female until 1988 when over 50 were recorded in Essex Co., many of which were from a subsequent local brood produced by the original migrants.
Genus *Atrytone* Scudder

*A. delaware* (Edwards). 4: Brant; Essex; Halton; Huron; Kent; Lambton; Norfolk; Peel; Simcoe*; Waterloo; Wellington; Wentworth; York. End June–end July. CNC, ROM. Known only from a few localities; uncommon.

Genus *Poanes* Scudder

*P. hobomok* (Harris). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. Mid May–mid July; in the north, early July. AMNH, Beth, CNC, ROM, UG, UWO. The female form *pocahontas* (Scudder) has been recorded in 3: Sudbury; Timiskaming*. 4: Carleton; Durham; Elgin; Haldimand; Leeds; Middlesex; Muskoka; Norfolk*; Parry Sound; Peel; Peterborough*; Simcoe; Victoria; Wentworth; York. CNC, Peabody Museum, ROM, UG.

*P. massasoit* (Scudder). 4: Brant; Dundas; Elgin; Essex; Grey; Glengarry; Halton; Hastings; Huron*; Kent; Lambton; Lennox and Addington; Middlesex; Nipissing*; Russell*; Stormont; Waterloo; Wentworth. Early July–early August. ROM. Very local.

*P. viator* (Edwards). 4: Brant; Carleton; Dundas; Elgin; Essex; Frontenac; Grenville; Haldimand; Halton; Huron; Kent; Lambton; Lanark; Leeds; Middlesex; Norfolk; Northumberland*; Renfrew; Russell; Stormont; Waterloo; Wellington; Wentworth; York. End June–early August. CNC, ROM, UG.

Genus *Euphyes* Scudder

*E. bimacula* (Grote and Robinson). 3: Sudbury. 4: Brant; Carleton; Essex; Kent; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Peterborough; Russell; Simcoe; Waterloo*; Wellington; Wentworth; York. Mid June–end July. AMNH, ROM, UWO. Known from isolated colonies.

*E. conspicua* (Edwards). 4: Brant; Elgin*; Essex; Haldimand; Kent; Lambton; Lincoln; Norfolk; Middlesex; Waterloo; Wellington*; Wentworth (Dundas Valley). Early July–early August. ROM. Known only from the region immediately north of Lake Erie.
E. dion (Edwards). 4: Brant; Carleton; Dundas; Elgin; Essex; Frontenac; Glengarry; Haldimand; Huron; Kent; Lambton; Leeds; Middlesex; Norfolk; Northumberland; Peterborough; Russell; Waterloo; Welland; Wellington; Wentworth; York. End June–mid August. CNC, ROM, UG, UWO

E. dukesi (Lindsey). 4: Essex (McGregor, first Ontario specimen 11 July 1968; 9 July 1974, and 14 July 1975, A. M. Holmes, some specimens ROM. Point Pelee National Park. Other Essex localities); Kent (a few western localities); Leeds (Chaffeys Locks, 7 July 1975, summer students of Queen’s University Biological Station on Lake Opinicon, swampy area north of old railway station, specimen lost). See also Riotte (1972b). End June–end August. Local.

E. ruricola (Boisduval). 2: Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville; Grey; Haldimand; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterlo; Wellington; Wentworth; York. End June–mid August. AMNH, Beth, CNC, ROM, UG, UWO. Subspecies E. r. metacomet (Harris) and E. r. vestris Boisduval.

Genus Atrytonopsis Godman


Genus Amblyscirtes Scudder

A. hegon (Scudder) [= samoset (Scudder)]. 3: Sudbury; Timiskaming. 4: Carleton; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough*. Timiskaming*. End May–mid June. CNC, ROM, UG. Local and rare.

A. vialis (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Elgin; Frontenac; Haliburton; Hastings; Huron; Lambton; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Simcoe; Victoria; Wentworth; York. End May–early July. AMNH, Beth, CNC, ROM, UG.

Superfamily Papilionoidea

See Klots (1951), Ehrlich and Ehrlich (1961), and Opler and Krizek (1984).
Family Papilionidae
Subfamily Papilioninae
Tribe Troidini

Genus Battus Scopoli

B. philenor (Linné). Pipe vine swallowtail. 3: Thunder Bay (Caribou Island, Lake Superior, 12 September 1979, A. Wormington, a straggler from the south). 4: Elgin; Essex; Haldimand; Halton*; Huron; Kent; Northumberland; Ontario; Waterloo*; Wentworth; York. End May–early October. CNC, ROM. As its vernacular name suggests, breeding restricted to a small area on the north shore of Lake Erie and near Hamilton and Toronto where the foodplant is grown around houses, once and if migrants arrive. Not known to overwinter in Ontario, except on Pelee Island where the foodplant grows wild. Usually fairly rare.

Tribe Papilionini

Genus Papilio Linné

P. cresphontes Cramer. 4: Elgin; Essex; Haldimand*; Kent; Lambton; Lincoln; Middlesex; Norfolk*; Waterloo*; Welland; Wentworth*; York. End May–early September. CNC, ROM.

P. glaucus Linné. Tiger swallowtail/papillon glauque. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid April–mid October. CNC, ROM. Northern populations are smaller, light yellow, and one-brooded while southern populations are larger, deeper yellow, and have at least a partial second generation. Black form females occur in extreme southern Ontario—e.g., Pelee Island and Point Pelee—and are rare. Subspecies P. g. canadensis Rothschild and Jordan in the north; considered a separate species by some biologists.

is conspecific with the palaearctic nominate *machaon* is yet to be answered.

**P. polyxenes Fabricius.** Black or parsnip swallowtail/papillon du céleri. 3: Algoma; Rainy River (Lake of the Woods shore); Sudbury; Thunder Bay (Nipigon). 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Oxford; Peel; Perth; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid April–end September. CNC, ROM. Subspecies *P. p. asterius* Stoll.

**P. troilus** Linne. Spicebush swallowtail. 4: Elgin; Essex; Haldimand*; Huron; Kent; Lambton; Middlesex; Norfolk; Waterloo*; Welland; Wentworth*; York. Mid April–end September. CNC, ROM.

**Genus Eurytides Hübner** [= *Graphium* auct.]

**E. marcellus** (Cramer). 4: Brant (reported flying in the Brantford area, 1978); Elgin*; Essex; Norfolk*; Northumberland*; Waterloo*; York. Mid June–early September. CNC, ROM. Recorded in Toronto as late as 1943 in the Humber Valley. May be seen at Point Pelee and other southerly locations. Not known to overwinter in Ontario. May breed here but the foodplant, pawpaw, is restricted in the province. Usually very rare. See Wormington (1983).

**Family Pieridae**
**Subfamily Pierinae**
**Tribe Pierini**

**Genus Pontia Fabricius**


**P. protodice** (Boisduval and Leconte). 2: Kenora (Minaki. Waldhof). 3: Rainy River; Thunder Bay. 4: Carleton; Elgin*; Essex*; Haldimand*; Halton*; Manitoulin; Norfolk; Northumberland; Peel; Simcoe; Waterloo*; York. End June–early October. CNC, ROM. Identity of specimens confirmed by dissection. Not common in northwestern Ontario; usually rare in the south.
Genus *Pieris* Schrank

This genus is kept intact following Ehrlich (1958), Forster and Wohlfahrt (1976), and Geiger (1980). Geiger (1980) used electrophoresis to show decisively that there is no support for the proposal to split the old genus *Pieris*.

*P. oleracea* Harris [= *napi oleracea* Harris]. 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Frontenac; Glengarry; Grenville; Grey; Haliburton; Halton; Hastings; Huron*; Lambton; Lanark; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington*; Wentworth*; York. Mid April–mid September. CNC, ROM. Following Warren (1961, 1963) and Geiger (1986), *oleracea* was treated as a species distinct from the palaearctic *napi* (Linne). See also Eitschberger and Steiniger (1983).

*P. rapae* (Linne). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Halimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early April–early November. CNC, ROM.

*P. virginianiensis* Edwards. 3: Algoma. 4: Brant*?; Elgin; Frontenac; Halton; Leeds; Manitoulin; Middlesex (north Mosa Twp.); Peel; Waterloo*; Wellington*; [Wentworth (Hamilton); York (Etobicoke)]. Mid April–end May. CNC, ROM, UG, UWO. The counties in square brackets contain localities where the species is by now extinct. This was Ontario’s only officially endangered butterfly; in 1990 it was removed from the list of endangered species. For detailed studies, see TEA Occasional Publications; see also Riotte (1967b).

Genus *Ascia* Scopoli

Subfamily Anthocharinae

Genus *Euchloe* Hübner


*E. olympia* (Edwards). 4: Carleton; Frontenac; Haliburton; Hastings; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Northumberland; Peterborough; Parry Sound; Renfrew; Victoria. Mid April–mid June. CNC, ROM.

Subfamily Coliadinae

Genus *Colias* Fabricius

*C. eurytheme* Boisduval. Alfalfa caterpillar/coliade de la luzerne. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville*; Haldimand; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds*; Lennox and Addington; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Stormont; Waterloo; Welland; Wellington; Wentworth; York. Early May–early November. CNC, ROM. The most common *Colias* in Ontario.


*C. interior* Scudder. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Haliburton; Hastings*; Lanark; Manitoulin; Muskoka; Nipissing; Parry Sound; Peterborough*; Russell; Victoria; Waterloo* [?]; York. Mid June–mid August. CNC, ROM. Recently has been spreading to the south.


*C. pelidne* Boisduval and Leconte. 1: Kenora, Patricia Portion (Cape Henrietta Maria. Winisk). 2: Cochrane (Fort Albany. Moose Factory). End June–end July. CNC, ROM.

*C. philodice* Godart. Clouded sulphur/piéride du trèfle. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin;
Essex; Frontenac; Glengarry; Grenville; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. End April–early November. CNC, ROM.

Genus Zerene Hübner

Z. cesonia (Stoll). Dog face. 4: Essex (Point Pelee*, 24 June 1931); York (Toronto). ROM. Recorded at the Humber River, 11–15 June 1896 (see Canadian Entomologist, 28, July 1896). Two specimens recorded in Toronto, 6 June 1896, and a single specimen recorded in Toronto, 13 July 1906; another reportedly seen in a Toronto city park in 1973. Thought to occur in extreme southwestern Ontario near Leamington (in Essex Co.), but no specimens in collections are known. Rare straggler from the south. See also Wormington (1983).

Genus Phoebis Hübner

P. philea (Johannsson). 4: Essex (Windsor, 1896); Huron (1930); Lincoln (Vineland, 1930, 1944). 13 July–13 October. ROM. Very sporadic straggler from the south.

P. sennae (Linné). 4: Essex (Point Pelee. Windsor*, 1988); Kent (Rondeau Provincial Park); Peel (Port Credit*, 2 September 1985, from Hurricane Elena?); York (Toronto*). End May–early October. ROM. Subspecies P. s. eubule (Linné).

Genus Eurema Hübner

E. lisa Boisduval and Leconte. 3: Sudbury. 4: Carleton; Durham; Essex; Elgin*; Frontenac; Haldimand; Kent; Leeds*; Lincoln*; Manitoulin; Ontario*; Simcoe; Waterloo; Welland; York. Early June–end September. CNC, ROM. See TEA Occasional Publications 1934, 19:3; Wormington (1983). Almost yearly migrant from the south, which then produces as many as three broods. Varies in number from year to year. Usually not common. Not known to overwinter in Ontario.


about 1900, W. E. Saunders), is probably just a Saunders collection label and unrelated to where the specimen was caught. CNC. See Lafontaine (1972).

**Genus Nathalis Boisduval**


**Family Lycaenidae**  
**Subfamily Liphyrinae**  
**Tribe Gerydini [= Spalgini]**

**Genus Feniseca Grote**

*F. tarquinius (Fabricius)*. 3: Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming*. 4: Carleton; Elgin*; Frontenac; Haliburton; Hastings*; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Ontario*; Peterborough*; Russell; Simcoe; Victoria; Waterloo*; Wentworth; York. Mid May–end August. CNC, ROM. Local.

**Subfamily Lycaeninae**

**Genus Lycaena Fabricius**

*L. dorcas (Kirby)*. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay. 4: Bruce; Grey; Lambton; Manitoulin; Waterloo. End June–mid August. CNC, ROM.

*L. epixanthe (Boisduval and Leconte)*. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River. 4: Brant; Bruce; Carleton; Frontenac; Haliburton; Leeds; Middlesex; Muskoka; Nipissing; Oxford*; Prescott; Renfrew; Russell; Simcoe; Wentworth; York. Mid June–mid August. CNC, ROM. In southern Ontario restricted to acid bogs.

*L. helloides (Boisduval)*. 2: Cochrane (west of Hearst). 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Halldimand*; Kent (Rondeau Provincial Park); Manitoulin; Parry Sound; Waterloo; York. End July–end August. CNC, ROM. Rare and local.

*L. hyllus (Cramer) [= thoe (Guérin-Ménéville)]*. 3: Cochrane*; Kenora; Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex; Frontenac; Grey; Halldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln*; Manitoulin; Middlesex;
Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Waterloo; Wellington*; Wentworth; York. Early June–early October. CNC, ROM.

*L. phlaeas* (Linne). 2: Cochrane. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Halton; Hastings; Haliburton; Kent; Lambton*; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Prescott*; Russell; Simcoe; Victoria; Waterloo*; Welland; Wentworth; York. Mid May–early October. CNC, ROM. Subspecies *L. p. americana* Harris.


Subfamily Eumaeinae

Tribe Strymonini

*Genus Harkencclus dos Passos*

*H. titus* (Fabricius). 2: Kenora. 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel*; Peterborough; Simcoe; Waterloo; Wellington; Wentworth; York. End June–end August. CNC, ROM.

*Genus Satyrium* Scudder

*S. acadicum* (Edwards). 3: Algoma*; Rainy River; Sudbury. 4: Brant*; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin*; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. Mid June–mid August. CNC, ROM.

*S. calanus* (Hübner). 3: Algoma*; Sudbury. 4: Brant; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry*; Grey; Haldimand*; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo*; Welland; Wellington*; Wentworth; York. End June–mid August. CNC, ROM. Subspecies *S. c. falacer* (Godart) may be a species in its own right.
S. caryaevorum (McDunnough). 4: Carleton; Durham; Elgin; Essex; Frontenac; Glengarry; Halton; Hastings*; Kent; Lincoln; Leeds; Middlesex; Norfolk; Northumberland*; Ontario; Simcoe; Waterloo; Wentworth; York. End June-end July. CNC, ROM.

S. edwardsii (Grote and Robinson). 4: Brant; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Halton*; Lambton; Leeds; Lennox and Addington*; Lincoln; Middlesex; Norfolk; Northumberland; Parry Sound; Renfrew; Simcoe; Waterloo*; Wellington*; Wentworth*; York. End June-mid August. CNC, ROM.

S. liparops (Leconte). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Glengarry*; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manioutouin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End June–mid August. CNC, ROM. Subspecies S. l. fletcheri (Michener and dos Passos) in northern Ontario.

Genus Mitoura Scudder

M. grynea (Hübner). 4: Essex (Point Pelee. Pelee Island); Frontenac; Hastings; Northumberland; Prince Edward. End May–early August. CNC, ROM. Known for many years from Point Pelee; recorded near Marysville and near Shannonville (both in Hastings Co.) in 1965, and near Perth Road (in Frontenac Co.) in 1973.

Genus Incisalia Scudder

I. augustus (Kirby). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Grey; Haliburton; Lambton; Lanark; Manioutouin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Prescott; Russell; Simcoe; York. Mid April–mid June. CNC, ROM. In southern Ontario restricted to acid bogs.

I. eryphon (Boisduval). 2: Kenora; Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 4: Durham (Port Hope); Frontenac; Haliburton; Manioutouin; Muskoka; Nipissing; Parry Sound; Renfrew. Early May–mid June. CNC, ROM. For many years not recognized and may be misidentified as niphon in some collections.

I. henrici (Grote and Robinson). 4: Carleton; Frontenac; Leeds; Muskoka*; Norfolk; Northumberland; Parry Sound; Peterborough; Prescott. Mid April–mid June. CNC, ROM. Local.


I. niphon (Hübner). Jack-pine hairstreak/lycaenide du pin gris. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haliburton; Halton*; Hastings*; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peterborough; Renfrew; Russell; Victoria; Wellington*; Wentworth; York. Mid April–mid June. CNC, ROM. Subspecies I. n. clarki (Freeman) in northern Ontario.

I. polia Cook and Watson. 2: Cochrane; Thunder Bay (Geraldton. Lukinto Lake. Nakina). 3: Rainy River; Thunder Bay (Marathon). 4: Bruce; Carleton; Frontenac (Perth Road); Lambton (Pinery Provincial Park); Lanark; Leeds (Chaffeys Locks); Manitoulin; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Renfrew; Victoria (Dalrymple). Early April–mid June. AMNH, CNC, ROM. Probably occurs in other localities where the foodplant Arctostaphylos uvaursi (bearberry) grows.

Genus Euristrymon Clench

E. ontario (Edwards). 4: Elgin (Port Stanley, 1868, type locality). CNC. This is the only specimen known from Ontario in any scientific collection. For other possible specimens, see TEA Occasional Publications 1986, 17:20, and 1987, 18:25.

Genus Parrhasius Hübner


Genus Strymon Hübner

S. melinus Hübner. 4: Elgin; Essex; Frontenac; Huron*; Kent; Leeds; Lennox and Addington*; Nipissing; Norfolk*; Northumberland; Peterborough*; Renfrew*; Simcoe; Victoria. End April–early October. CNC, ROM. Not common.
Genus *Erora* Scudder

*E. laeta* (Edwards). 4: Leeds (Chaffeys Locks); Middlesex (London, type locality); Muskoka; Nipissing (Algonquin Provincial Park); Parry Sound; Simcoe; York. Mid May–mid June. CNC, ROM; holotype CM. Very rarely seen in known localities; never to be expected. See TEA Occasional Publications 1983, 14.

Subfamily Polyommatinae

Tribe *Everini*

Genus *Everes* Hübner

*E. amyntula* (Boisduval). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. Early June–mid August. CNC, ROM. A partial second generation occurs in warm years.

*E. comyntas* (Godart). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand*; Halton; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Nipissing; Norfolk; Northumberland; Ontario; Peel; Prince Edward; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. Early May–16 October. CNC, ROM. Wormington (1983) states there are up to four generations at Point Pelee. *Everes amyntula* and *comyntas* are not so much western and eastern as northern and southern in Ontario. Sudbury may be taken to be approximately the southernmost locality for *amyntula*. H. K. Clench (personal comment) now holds that the two are quite different species. See Klots (1951:163–164).

Tribe Lycaenopsini

Genus *Celastrina* Tutt

*C. ladon* (Cramer) [= *pseudargiolus* (Boisduval and Leconte)]. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth*; York. Early April–mid September. CNC, ROM.
Forms *lucia* (Kirby) and *marginata* (Edwards) are equally abundant in northern localities; a few specimens of form *violacea* (Edwards) are regularly intermingled. Form *neglecta* (Edwards) is local in early and hot summers: Thunder Bay (Nakina, 18 July 1955).

**Tribe Scolitantidini**

**Genus Glaucopsyche Scudder**

*G. lygdamus* (Doubleday). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Essex* (Point Pelee, 1981); Frontenac; Grey; Haliburton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Northumberland; Parry Sound; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Victoria. Early May–mid July. CNC, ROM. A partial second generation may occur in extremely hot summers in late August, e.g., Thunder Bay (Geraldton, 22 August 1955). Subspecies *G. l. couperi* Grote is questionably recorded in northern Ontario. For information on *G. l. lygdamus* (Doubleday) at Point Pelee, see Wormington (1983).

**Tribe Polyommatini**

**Genus Lycaeides Hübner**

*L. idas* (Linné) [= *argyrognomon* Bergsträsser]. 2: Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Thunder Bay. Early June–early August. ROM. Subspecies *L. i. nabokovi* Masters. See Higgins (1985).

*L. melissa* (Edwards). 4: Lambton; [Middlesex]; Norfolk; [York]. Early May–mid August. CNC, ROM. The counties in square brackets contain localities where the species is by now extinct. L. Packer proposed endangered status for this species in Ontario and it was placed on the endangered species list in 1990. See TEA Occasional Publications 1988, 19:6. Subspecies *L. m. samuelis* Nabokov.

**Genus Plebejus Kluk**

*P. saepiolus* (Boisduval). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Hastings; Muskoka; Nipissing; Parry Sound. Early June–early August. CNC, ROM. Subspecies *P. s. amica* (Edwards).
Genus *Agriades* Hübner

*A. franklinii* (Curtis) [= glandon auct. = aquilo auct.]. 1: Kenora, Patricia Portion (Cape Henrietta Maria. Brant River, Polar Bear Provincial Park). ROM. Recorded for the first time on the Ontario mainland near Hudson Bay on 30 July 1969, by T. O'Riley.

**Family Riodinidae**

None recorded in Ontario.

**Family Libytheidae**

**Subfamily Libytheinae**

Genus *Libytheana* Michener

*L. bachmanii* (Kirtland). 4: Bruce; Carleton; Elgin; Essex; Haldimand; Halton; Kent; Lambton; Lincoln; Manitoulin; Middlesex; Norfolk; Northumberland*: Prince Edward; Ontario; Waterloo; York. Mid May–early November. ROM. Rare outside of extreme southwestern Ontario.

**Family Nymphalidae**

**Subfamily Nymphalinae**

**Tribe Nymphalini**

Genus *Polygonia* Hübner

*P. comma* (Harris). 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Bruce; Carleton; Dundas; Elgin; Essex; Frontenac; Haldimand*; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington*; Lincoln; Manitoulin; Middlesex; Muskoka*; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early March–early December. CNC, ROM.

*P. faunus* (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Grey; Haliburton; Hastings; Lanark; Manitoulin; Muskoka; Nipissing; Parry Sound; Peel; Peterborough*; Renfrew; Russell; Wentworth. End April–early September. CNC, ROM.

*P. gracilis* (Grote and Robinson). 2: Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. End May–end August. CNC, ROM. Not often reported.
P. *interrogationis* (Fabricius). 3: Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel*; Peterborough; Renfrew; Russell; Simcoe; Stormont; Waterloo; Welland; Wellington; Wentworth; York. Early April–early November. CNC, ROM.

P. *progne* (Cramer). 2: Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant*; Bruce; Carleton; Dundas; Essex; Frontenac; Grenville; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton*; Lanark; Leeds; Lennox and Addington; Lincoln; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Victoria; Waterloo*; Wellington; Wentworth; York. End March–early October. CNC, ROM.

P. *satyrus* (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay (Geraldton). 3: Algoma; Kenora; Rainy River; Thunder Bay; Timiskaming. 4: Manitoulin; Nipissing*. Mid May–end August. CNC, ROM. Subspecies *P. s. neomarsyas* dos Passos.

**Genus Nymphalis** Kluk

This genus is kept intact following Ehrlich (1961).

*N. antiopa* (Linné). 1: Kenora, Patricia Portion (Cape Henrietta Maria). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant*; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Haldimand*; Haliburton; Hastings; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early March–early November. CNC, ROM.

*N. milberti* (Godart). 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Haldimand*; Halton; Huron; Kent; Lambton; Lanark; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Waterloo; Welland; Wentworth; York. Early March–early October. CNC, ROM.

35
_N. vau-album_ (Denis and Schiffermüller). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin*; Essex; Frontenac; Haldimand*; Haliburton; Halton; Huron*; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Simcoe; Victoria; Waterloo; York. Early March–early October. CNC, ROM. The population can vary greatly. Subspecies _N. v. j-album_ (Boisduval and Leconte).

**Genus Vanessa Fabricius**

_V. atalanta_ (Linné). Red admiral/vanesse amirale. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth*; Peterborough; Prescott; Prince Edward; Simcoe; Stormont; Russell; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. End March–end October. CNC, ROM.

_V. cardui_ (Linné). Painted lady/vanesse de l'artichaut. 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand*; Haliburton; Halton; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peterborough; Prince Edward; Russell; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End April–mid November. CNC, ROM.

_V. virginiensis_ (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. End March–mid October. CNC, ROM.
Tribe Hypolimnini

Genus *Junonia* Hübner

*J. coenia* (Hübner). 2: Thunder Bay. 3: Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand*; Huron; Lambton; Leeds; Manitoulin; Nipissing; Norfolk; Northumberland; Ontario; Perth; Russell; Simcoe; Stormont*; Waterloo; Welland; Wentworth; York. Mid June–early November. AMNH, CNC, ROM. The only record from northern Ontario was in an abnormally hot year from Thunder Bay (Geraldton, 16 July 1955, A. B. Klots). Varies in number from year to year.

Subfamily Argynninae

Genus *Euptoieta* Doubleday

*E. claudia* (Cramer). Variegated fritillary/fritillaire panachée. 3: Algoma; Kenora; Rainy River; Thunder Bay. 4: Carleton; Elgin*; Essex; Haldimand*; Halton; Kent; Lambton; Norfolk; Perth; Waterloo; York. Mid June-end September. CNC, ROM. Uncommon. Reaches Ontario from the prairies in the west and from south of Lake Ontario and Lake Erie in the south.

Genus *Speyeria* Scudder

*S. aphrodite* (Fabricius). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Grey; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Lambton; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Russell; Simcoe; Waterloo*; Welland; Wellington; York. End June–early September. CNC, ROM. Subspecies *S. a. winni* (Gunder). Subspecies *S. a. alcestis* (Edwards) is known from southwestern Ontario (ROM).

*S. atlantis* (Edwards). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Frontenac; Grey; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Ontario*; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Waterloo*; Victoria; York. Mid June–early September. CNC, ROM.
S. cybele (Fabricius). 2: Kenora (Sioux Lookout). 3: Algoma*; Cochrane; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early June–end September. CNC, ROM.

S. idalia (Drury). 4: Huron (Grand Bend); Kent (Rondeau Provincial Park); Middlesex (Hyde Park Corner); Norfolk*; Waterloo (Kitchener*). End July–end August. ROM. Very rare and not reported recently. See Lamb (1967).

Genus Boloria Moore

This genus is kept intact following Ehrlich (1961).

B. bellona (Fabricius). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk*; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Mid April–end September. CNC, ROM. Subspecies B. b. toddi (Holland) in northern Ontario.

B. eunomia (Esper). 1: Kenora, Patricia Portion (Cape Henrietta Maria. Fort Severn). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton (Mer Bleue*); Parry Sound; Nipissing. Early June–mid July. CNC, ROM. Very short flight period in any given area.

Subspecies B. e. triclaris (Hübner) on the tundra; subspecies B. e. dawsoni (Barnes and McDunnough) in remaining localities; Thunder Bay (Hymers, type locality). See Freeman (1969) and Lafontaine (1972).

B. freija (Thunberg). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Nipissing; Rainy River; Thunder Bay; Timiskaming (Kenogami). 4: Carleton (Mer Bleue*). Mid May–end June. CNC, ROM. See Freeman (1969) and Lafontaine (1972)

B. frigga (Thunberg). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River. Mid May–end July. AMNH, CNC, ROM. The tundra population closely resembles
the population of Churchill, Manitoba, subspecies *B. f. saga* (Staudinger); the southern populations are distinctive with brighter basic wing colour and stronger black markings.

**B. selene (Denis and Schiffermüller).** 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce*; Carleton; Dundas; Elgin; Frontenac; Grey; Haliburton; Halton*; Hastings; Huron; Lanark; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland*; Ontario; Parry Sound; Peel; Peterborough*; Prescott; Renfrew; Russell; Simcoe; Waterloo; Wellington*; Wentworth; York. End May–mid September. CNC, ROM. Subspecies *B. s. atrocostalis* (Huard) in the north; subspecies *B. s. myrina* (Cramer) in the south.

**B. titania (Esper).** 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. Early July–end August. CNC, ROM. Subspecies *B. t. boisduvalii* (Duponchel) on the tundra. Subspecies *B. t. grandis* (Barnes and McDunnough) in the remaining localities; Thunder Bay (Hymers, type locality).

**Subfamily Melitaeinae**

**Genus Phyciodes Hübner**

The entry *P. campestris* (Behr) included in previous lists must be deleted. The male genitalia of some ROM specimens differ from *P. batesii* and *pascoensis*; however, it is not known to what extent this may be part of the normal range of variation in *batesii*.

**P. batesii** (Reakirt). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Elgin*; Frontenac; Halton; Lambton; Lanark; Kent; Manitoulin; Muskoka; Nipissing; Peterborough*; Simcoe; Waterloo; Welland; Wentworth; York. End May–early July. CNC, ROM.

**P. pascoensis** Wright [= *P. morpheus* (Fabricius) = *P. selenis* W. Kirby]. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Frontenac; Grey; Halton*; Hastings; Huron; Kent; Lambton; Lanark; Leeds (Chaffeys Locks); Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Stormont; Victoria; Waterloo; Welland; Wellington*;
Wentworth; York (Toronto). One brood, late June–early August. CNC, ROM. See also Opler and Krizek (1984); Scott (1986); and TEA Occasional Publications 1988, 19:14.

*P. tharos* (Drury). 3: Kenora; Rainy River; Thunder Bay. 4: Essex (Point Pelee); Grenville; Haldimand; Haliburton; Kent; Leeds (Chaffeys Locks); Lincoln; Norfolk; Ontario; Peterborough; Simcoe; York (Toronto). ROM. Two broods in southern Ontario, May–early June and late July–September (P. A. Opler, personal comment; see also Opler and Krizek (1984); Scott (1986); and TEA Occasional Publications 1988, 19:14).

**Genus Charidryas Scudder** [= *Chlosyne* auct.]

*C. gorgone* (Hübner). 4: York (Toronto). ROM. Three specimens from Toronto, Humber Valley, 6 June 1891; one specimen ex coll. Bethune without data, Toronto. Species now is considered to be extirpated in the province, but may eventually be found in other locations, especially near the western border.

*C. harrisii* (Scudder). 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Glengarry*; Grenville; Haliburton; Hastings; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Prescott; Russell; Simcoe*; Waterloo*; Welland. Early June–end July. CNC, ROM.

*C. nycteis* (Doubleday). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Kenora; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Elgin; Essex; Haldimand*; Haliburton; Huron; Kent; Lambton; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough*; Renfrew*; Simcoe; Victoria; Waterloo*; Welland; Wellington*; Wentworth*; York. End May–end July; a second brood has been reported in Windsor in August. CNC, ROM. Northern Ontario specimens resemble the subspecies *C. n. drusius* (Edwards) described from Jefferson County, Colorado. Other subspecies *C. n. reversa* (F. & R. Chermock).

**Genus Euphydryas Scudder**

*E. phaeton* (Drury). 2: Thunder Bay. 3: Algoma*. 4: Brant; Carleton; Dundas; Elgin; Essex; Glengarry; Grenville; Grey; Haldimand*; Halton; Huron; Lambton; Lanark; Leeds; Lincoln; Middlesex; Norfolk; Northumberland; Ontario*; Peterborough*; Prescott; Russell; Simcoe*; Victoria; Waterloo; Welland; Wellington*; Wentworth; York. Mid June–end July. CNC, ROM. Local. The only record from Thunder Bay Dist. is a single large female (Macdiarmid, 22 July 1924, ROM).
Subfamily Limenitidinae  
Tribe Limenitidini

Genus *Limenitis* Fabricius

*L. archippus* (Cramer). Viceroy/sylvain royal. 2: Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville*; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario*; Oxford; Peel; Peterborough; Prince Edward; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria*; Waterloo; Wellington; Wentworth*; York. End May–mid October. CNC, ROM.

*L. arthemis* (Drury). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Nipissing; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dundas; Durham; Frontenac; Glengarry; Grey; Haldimand*; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel*; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; York. Early June–early September. CNC, ROM. The material from northwestern Ontario (Nakina–Geraldton–Nipigon and west) shows very strong traces of gradation to subspecies *L. a. rubrofasciata* Barnes and McDunnough in some specimens. This species is an excellent example of a very gradual and indistinct east-west cline.

The southern phenotype of this polymorphic species, *L. a. astyanax* (Fabricius), was found in the following counties: 4: Elgin; Essex; Haldimand; Kent; Lambton; Norfolk. End April–early September. CNC, ROM. A broad zone of intergradation between the two forms can be traced in the following counties: 4: Durham; Elgin; Essex; Haliburton; Halton; Huron; Kent; Lambton; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. CNC, ROM. For the solution of the *arthemis/astyanax* question see Platt and Brower (1968).
Subfamily Charaxinae
Tribe Apaturini

Genus Asterocampa Röber


A. clyton (Boisduval and Leconte). 4: Brant (Brantford); Elgin; Essex; Huron; Kent (Bothwell); Lambton*; Middlesex (Byron); Victoria*; Waterloo. Early July–end August. ROM.

Family Satyridae
Subfamily Elymniinae
Tribe Parargini

Genus Enodia Hübner [= Lethe Hübner]

E. anhedon A. H. Clark. 2: Kenora. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry*; Grey; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Mid June–mid August. CNC, ROM.

Genus Satyrodes Scudder [= Lethe Hübner]

S. appalachia (R. L. Chermock). 4: Brant; Carleton; Dundas; Elgin; Essex; Haldimand; Halton*; Huron; Kent; Lambton; Lanark; Manitoulin; Middlesex; Norfolk; Northumberland; Oxford; Peterborough; Prescott*; Waterloo; Wellington; Wentworth; York. Early June–early August. ROM. Probably more widely distributed in southern Ontario but not always recognized.

S. eurydice (Johansson). 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grey; Haliburton; Haldimand; Halton; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Early June–mid September. CNC, ROM. Not common north of Sudbury.
Subfamily Satyrinae
Tribe Euptychiini

Genus *Megisto* Hübner [= *Euptychia* auct.]

*M. cymela* (Cramer). 2: Kenora. 3: Algoma; Rainy River; Sudbury; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Glengarry; Grenville*; Grey; Halton; Haldimand*; Haliburton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. End May–mid August. CNC, ROM. Essentially southern. There may be two cryptic species under this name, both of which may reach Ontario. See Opler and Krizek (1984).

Tribe Coenonymphini

Genus *Coenonympha* Hübner

*C. inornata* Edwards. 1: Kenora, Patricia Portion (Winisk). 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Dundas; Durham; Frontenac; Glengarry; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Prescott; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Wellington; Wentworth; York. Mid May–early October. CNC, ROM. Recently has been spreading in southwestern Ontario. For information on supposed subspecies see TEA Occasional Publications.

Tribe Maniolini

Genus *Cercyonis* Scudder

*C. pegala* (Fabricius). 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Grenville; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk;
Northumberland; Ontario; Parry Sound; Peel; Peterborough; Prescott*; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland*; Wellington; Wentworth; York. End June–early September. CNC, ROM.

Tribe Erebiini

Genus *Erebia* Dalman


*E. discoidalis* (Kirby). 1: Kenora, Patricia Portion (Fort Severn). 2: Kenora, Patricia Portion; Thunder Bay. 3: Cochrane; Kenora; Rainy River; Sudbury; Timiskaming. Early May–mid July. CNC, ROM.

Tribe Satyrini

Genus *Oeneis* Hüblner

*O. chryxus* (Doubleday and Hewitson). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Lanark; Leeds; Lennox and Addington; Manitoulin; Muskoka; Nipissing; Parry Sound; Peterborough; Renfrew; Simcoe; Victoria. End May–mid June. CNC, ROM. Subspecies *O. c. strigulosa* McDunnough. The specimen from 2: Cochrane (Fraserdale, 13 June 1971, S. M. Daniels) may be subspecies *O. c. calais* (Scudder).

*O. jutta* (Hüblner). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Manitoulin; Nipissing; Parry Sound; Prescott (Alfred Bog); Russell. End May–end July. CNC, ROM. Subspecies *O. j. ascerta* Masters and Sorensen. The population on the tundra belongs to subspecies *O. j. alaskensis* Holland, known from Churchill, Manitoba.

*O. macounii* (Edwards). 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay (Nipigon, type locality). 4: Nipissing. End May–early August. CNC, ROM. Adults are said to fly only in even-numbered years.

*O. melissa* (Fabricius). 1: Kenora, Patricia Portion (Cape Henrietta Maria. Fort Severn). July. ROM. Subspecies *O. m. sempie* Holland.
Family Danaidae
Subfamily Danainae

Genus Danaus Kluk

*D. plexippus* (Linné). Monarch butterfly/monarque. 2: Thunder Bay (Geraldton). 3: Algoma; Cochrane; Kenora (Minaki*); Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dundas; Durham; Elgin; Essex; Frontenac; Haldimand*; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Oxford; Parry Sound; Peel; Peterborough; Prince Edward; Renfrew; Russell; Simcoe; Stormont; Victoria; Waterloo; Welland; Wellington; Wentworth; York. Early May–early December. AMNH, CNC, ROM. Recorded only in abnormally hot years in Thunder Bay (Geraldton, 14 July 1955, A. B. Klots). In Nipigon, recorded normally every year in mid June. Not breeding in the north. Congregates along shores of Lake Ontario and Lake Erie and migrates in mass south to Mexico every winter. Descendants return to breed in early summer.

Superfamily Zygaenoidea
Family Zygaenidae

Genus Harrisina Packard

*H. americana* (Guérin-Méneville). 4: Essex; Haldimand; Kent; Norfolk. 19 June–23 July. CNC, McM, ROM. Occurs only in the southernmost part of the region along the north shore of Lake Erie.

Family Limacodidae
The tribes of Forbes (1923) are retained.

Tribe Cochlidiini

Genus Tortricidia Packard

*T. flexuosa* (Grote). 4: Carleton; Durham; Elgin; Haldimand; Haliburton; Hastings; Kent; Leeds; Middlesex; Nipissing; Peterborough; Simcoe; Stormont. 8 June–29 July. CNC, LEM, ROM. A partial second generation may occur, e.g., Haldimand (Dunnville, 20 August). The form *caesonia* (Grote) was recorded at Chaffey's Locks.
**T. pallida** (Herrich-Schäffer). 4: Durham (Kendal); Leeds (Chaffeys Locks); Norfolk (St. Williams). 1–24 July. CNC, ROM. Known only from the three localities. Rare.

**T. testacea** Packard. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Dufferin; Durham; Kent; Leeds; Peterborough; Simcoe; Wentworth. 5 June–20 July. AMNH, CNC, ROM.

**Genus Heterogenea** Knoch

**H. shurtleffi** Packard. 4: Leeds (Chaffeys Locks). 11–28 July. ROM.

**Genus Packardia** Grote and Robinson

**P. elegans** (Packard). 4: Norfolk; Peterborough. July. CNC, ROM.

**P. geminata** (Packard). 4: Carleton; Frontenac; Haldimand; Kent; Leeds; Norfolk; Peterborough. 14 June–6 July. CNC, ROM. Rare.

**Genus Lithacodes** Packard

**L. fasciola** (Herrich-Schäffer). 2: Kenora. 3: Rainy River; Sudbury. 4: Carleton; Durham; Haldimand; Halton; Hastings; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; Wentworth. 23 June–27 July. AMNH, CNC, ROM.

**Genus Apoda** Haworth [= Limacodes Berthold]

**A. biguttata** (Packard). 4: Durham; Hastings; Huron; Leeds; Kent; Lambton; Peel; Wentworth. 23 June–28 July. CNC, ROM.

**A. y-inversum** Packard. 4: Bruce; Durham; Haldimand; Hastings; Leeds; Kent; Middlesex; Ontario; Peterborough; Wentworth; York. 16 June–24 July. CNC, ROM. Common.

**Genus Prolimacodes** Schaus

**P. badia** (Hübner) [= scapha (Harris)]. 4: Essex; Haldimand; Kent; Norfolk; Peterborough; Welland. July. CNC, ROM.

**Tribe Phobetrini**

**Genus Phobetron** Hübner

**P. pithecium** (J. E. Smith). Hag moth/sorcière. 4: Carleton; Kent; Lambton; Leeds; Lincoln; Norfolk. June–July. CNC, ROM. Known only from a
few specimens from a few localities, mostly along the north shore of Lake Erie but also Chaffeys Locks and Ottawa.

Tribe Eucleini

Genus *Isa* Packard [= *Sisyrosea* Grote]

*I. textula* (Herrich-Schäffer). 4: Haldimand; Kent; Leeds; Norfolk; Wentworth. Mid July. CNC, ROM. Known from very few specimens from the southernmost part of the region, the north shore of Lake Erie, and Chaffeys Locks.

Genus *Adoneta* Clemens

*A. spinuloides* (Herrich-Schäffer). 4: Huron; Kent; York. 29 June–10 July. CNC. Known only from a few localities.

Genus *Euclea* Hübner

*E. delphinii* (Boisduval). 3: Thunder Bay. 4: Bruce; Carleton; Durham; Haldimand; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peel; Peterborough; Simcoe; Welland; Wentworth; York. 19 June–19 August. CNC, McM, ROM, UWO. Last date of capture usually at the end of July: Peel (Port Credit, 25 July); Bruce (Wiarton, 26 July); Chaffeys Locks, Hamilton, and Toronto, 17 July. A partial second generation may occur, e.g., Thunder Bay (Fort William, 19 August).

Superfamily Pyraloidea

Family Pyralidae

Pyralid moths/pyrales.

(Series Crambiformes)

Subfamily Scopariinae

Genus *Gesneria* Hübner

*G. centuriella* (Denis and Schiffermüller). 2. 3. 4. Subspecies *G. c. caecalis* (Walker).

Genus *Scoparia* Haworth

*S. basalis* Walker. 4.
*S. biplagialis* Walker. 3. 4.
S. cinereomedia Dyar. 4.
S. penumbralis Dyar. 4.

Genus Eudonia Billberg

E. heterosalis (McDunnough). 4.
E. lugubralis (Walker). 3. 4.
E. strigalis (Dyar). 4.

Subfamily Nymphulinae
Tribe Nymphulini

Genus Neocataclysta Lange

N. magnificalis (Hübner). 4.

Genus Nymphula Schrank

N. ekthlipsis (Grote). 3. 4.

Genus Munroessa Lange


Genus Paraponyx Hübner

P. allionealis Walker. 3. 4. Subspecies P. a. intealis (Walker).
P. badiusalis (Walker). 3. 4.
P. maculalis (Clemens). 2. 3. 4.
P. obscuralis (Grote). 4.

Tribe Argyractini

Genus Petrophila Guilding

P. bifascialis (Robinson). 4.
P. canadensis (Munroe). 4.
P. fulicalis (Clemens). 4.
Genus *Eoparargyractis* Lange

*E. plevie* (Dyar). 4.

Subfamily Odontiinae
Tribe Dichogamini

Genus *Metrea* Grote

*M. ostreonalis* Grote. 4.

Genus *Eustixia* Hübner

*E. pupula* Hübner. 4.

Tribe Odontiini

Genus *Microtheoris* Meyrick


Subfamily Glaphyriinae

Genus *Hellula* Guenée


Genus *Nephrogramma* Munroe


Genus *Stegea* Munroe

*S. eripalis* (Grote). 4.

Genus *Abegesta* Munroe


Genus *Glaphyria* Hübner

*G. glaphyralis* (Guenée). 4.

*G. sesquistrialis* Hübner. 4.
Genus *Aethiophysa* Munroe


Genus *Xanthophyosa* Munroe


Genus *Lipocosma* Lederer


Genus *Lipocosmodes* Munroe

*L. fuliginosalis* (Fernald). 4.

Genus *Dicymolomia* Zeller


Genus *Chalcoela* Zeller


Subfamily Evergestinae

Genus *Evergestis* Hübner

*E. unimacula* (Grote and Robinson). 4.

Subfamily Pyraustinae

Tribe Pyraustini

Genus *Saucrobotys* Munroe


Genus *Nascia* Curtis

*N. acutella* (Walker). 3, 4.
Genus *Crocidophora* Lederer

*C. serratissimalis* Zeller. 4.
*C. tuberculalis* Lederer. 4.

Genus *Ostrinia* Hübner

*O. nubilalis* (Hübner). European corn borer/pyrale du maïs. 4.
*O. obumbratalis* (Lederer). 4.
*O. penitalis* (Grote). 4.

Genus *Fumibotys* Munroe

*F. fumalis* (Guenée). 4.

Genus *Perispasta* Zeller

*P. caeculalis* Zeller. 3. 4.

Genus *Eurrhypara* Hübner

*E. hortulata* (Linné). 4.

Genus *Nealgedonia* Munroe

*N. extricalis* (Guenée). 3. 4.

Genus *Mutuuraia* Munroe


Genus *Anania* Hübner


Genus *Hahncappsia* Munroe

*H. neobliteralis* Capps. 4.

Genus *Achyra* Guenée

*A. rantalis* (Guenée). 4.
Genus *Helvibotys* Munroe

*H. helvialis* (Walker). 4s.

Genus *Sitochroa* Hübner

*S. chortalis* (Grote). 4.

Genus *Uresiphita* Hübner


Genus *Loxostege* Hübner

*L. anartalis* (Grote). 2. 3. Subspecies *L. a. lulualis* (Hulst).
*L. sticticalis* (Linné). Beet webworm/tisseuse de la betterave. 4.

Genus *Pyrausta* Schrank

*P. bicoloralis* (Guenée). 4.
*P. fodiunalis* (Lederer). 2. 3.
*P. generous* (Grote and Robinson). 4s.
*P. nicalis* (Grote). 4.
*P. orphisalis* Walker. 4.
*P. socialis* (Grote). 4.
*P. subsequalis* (Guenée) [= *borealis* Packard]. 2. 3. 4.

Tribe Spilomelini

Genus *Udea* Guenée

*U. rubigalis* (Guenée). Greenhouse leaf tier, celery leaf tier/lieuse des serres, lieuse du céleri. 2. 3. 4.

Genus *Lineodes* Guenée

*L. integr*a Zeller. 4s.
Genus *Loxostegopsis* Dyar

*L. merrickalis* (Barnes and McDunnough). 3. 4.

Genus *Mecyna* Guenée

*M. luscitialis* Barnes and McDunnough. 4.
*M. submedialis* (Grote). 4.

Genus *Diacme* Warren

*D. adipaloides* Grote and Robinson. 4s: Kent (Chatham).

Genus *Nomophila* Hübner

*N. nearctica* Munroe. Celery stalkworm/pyrale du céleri. 2. 3. 4.

Genus *Desmia* Westwood

*D. funeralis* (Hübner). Grape leaf roller/plieuse de la vigne. 3. 4.
*D. maculalis* Westwood. 3. 4.

Genus *Hymenia* Hübner


Genus *Spoladea* Guenée

*S. recurvalis* (Fabricius). 4.

Genus *Diathrausta* Lederer

*D. harlequinalis* Dyar. 4.

Genus *Anageshna* Munroe


Genus *Blepharomastix* Lederer

*B. ranalis* (Guenée). 4.

Genus *Diaphania* Hübner

*D. hyalinata* (Linne). Melonworm/pyrale du melon. 4. Occasional straggler.
Genus *Palpita* Hübner

*P. aenescentalis* Munroe. 4.
*P. arsaltealis* (Walker). 3. 4.
*P. magniferalis* (Walker). 3. 4.
*P. quadristigmalis* (Gueneé). 4s: York (Toronto). Occasional straggler.

Genus *Polygrammodes* Guèneé

*P. flavidalis* (Guèneé). 4.

Genus *Pantographa* Lederer

*P. limata* (Grote and Robinson). Basswood leaf roller/enrouleuse du tilleul. 4.

Genus *Diastictis* Hübner

*D. ventralis* (Grote and Robinson). 4.

Genus *Framinghamia* Strand

*F. helvalis* (Walker). 3. 4.

Genus *Herpetogramma* Lederer

*H. pertextalis* (Lederer). 3. 4.

Subfamily Schoenobiinae

Genus *Donacaula* Meyrick [= *Schoenobius* Duponchel]

*D. longirostrella* (Clemens). 4.
*D. melinella* (Clemens). 4. Subspecies *D. m. albicostella* Fernald.

Subfamily Crambinae

Tribe Ancylolomiini

Genus *Prionapteryx* Stephens

*P. nebulifera* Stephens. 4.
Tribe Crambini

Genus Crambus Fabricius

*C. agitatellus* Clemens. 2: Thunder Bay (Geraldton). 4.
*C. albellus* Clemens. 2: Thunder Bay (Geraldton). 4.
*C. alienellus* (Zincken). 2. Subspecies *C. a. labradoriensis* Christoph, restricted to acid bogs. 4. Subspecies *C. a. dissectus* Grote, uncertain status.

*C. awemellus* McDunnough. 2. 4: Lanark (Poland).
*C. bidens* Zeller. 2: Thunder Bay (Geraldton). 3: Rainy River (One Sided Lake).
*C. caliginosellus* Clemens. 4.
*C. girardellus* Clemens. 2. 3. 4.
*C. hamellus* (Thunberg). 2. 3.
*C. laqueatellus* Clemens. 4.
*C. luteolellus* Clemens. 2: Thunder Bay (Geraldton). 4.
*C. lyonsellus* Haimbach. 2. Restricted to acid bogs.
*C. unistriatellus* Packard. 2. 3. 4.
*C. whitmerellus* Klots. 3. 4.
*C. youngellus* Kearfott. 4: Carleton (Mer Bleue Bog, type locality). Restricted to acid bogs.
*C. zeellus* Fernald. 4.

Genus Chrysoteuchia Hübner

*C. toparia* (Zeller). 2. 3. 4.

Genus Arequipa Walker

*A. turbatella* Walker. 4.

Genus Rhaphiptera Hampson


Genus Platytes Guenée

*P. vobisne* Dyar. 3: Kenora (Minaki).
Genus *Agriphila* Hübner

*A. ruricolella* (Zeller). 2. 4.
*A. vulgivagella* (Clemens). Vagabond crambus/pyrale vagabonde. 4.

Genus *Catoptria* Hübner


Genus *Pediasia* Hübner

*P. abnaki* (Klots). 3. 4.
*P. dorsipunctella* (Kearfott). 3.
*P. truncatella* (Zetterstedt). 2.

Genus *Microcrambus* Bleszynski

*M. elegans* (Clemens). 4.

Genus *Fissicrambus* Bleszynski

*F. mutabilis* Clemens. 4.

Genus *Thaumatopsis* Morrison


Genus *Parapediasia* Bleszynski

*P. teterrella* (Zincken). 4.

Tribe Argyriini

Genus *Argyria* Hübner

*A. sp.* 4s. CNC.

Genus *Urola* Walker

Genus *Vaxi* Bleszynski

*V. uratella* (Clemens). 3. 4.
*V. critica* (Forbes). 3. 4.

**Tribe Chilini**

Genus *Chilo* Zincken

*C. plejadellos* Zincken. 3. 4.

Genus *Thopeutis* Hübner

*T. forbesellus* (Fernald). 4.

Genus *Occidentalia* Dyar and Heinrich


Genus *Xubida* Schaus

*X. panalope* (Dyar). 4.

(Series Pyraliformes)
Subfamily Pyralinae

Genus *Pyralis* Linné

*P. costiferalis* Walker. 4.
*P. disciferalis* Dyar. 4.
*P. farinalis* Linné. 4.

Genus *Aglossa* Latreille

*A. cuprina* Zeller. 4.

Genus *Hypsopygia* Hübner

*H. costalis* (Fabricius). 3. 4.
Genus Herculia Walker

*H. infimbrialis* Dyar. 4: Simcoe.
*H. olinalis* (Guenée). 2. 4.
*H. thymetusalis* (Walker). 3. 4.

Subfamily Chrysauginae

Genus Acallis Ragonot

*A. alticolalis* (Dyar). 4: Carleton (Merivale).

Genus Galasa Walker

*G. nigrinodis* (Zeller). 3.

Genus Tosale Walker


Genus Arta Grote

*A. statalis* Grote. 4.

Genus Condylolomia Grote

*C. participalis* Grote. 4.

Subfamily Epipaschiinae

Genus Epipaschia Clemens

*E. superatalis* Clemens. 4s: Kent (Chatham).

Genus Oneida Hulst

*O. lunulalis* (Hulst). 4n. 4s.

Genus Tetralopha Zeller

*T. aplastella* (Hulst). 3. 4.
*T. asperatella* (Clemens). 4.
*T. baptisiella* Fernald. 4s: Kent (Chatham)
Subfamily Galleriinae
Tribe Galleriini

Genus *Galleria* Fabricius

*G. mellonella* (Linne). Greater wax moth/teigne des ruches. 4.

Tribe Tirathabini

Genus *Aphomia* Hübner

*A. terrenella* Zeller. 4.

Genus *Corcyra* Ragonot

*C. cephalonica* (Stainton). 4. European dried food pest.

Subfamily Phycitinae

Genus *Acrobasis* Zeller

*A. amplexella* Ragonot. 3. 4.
*A. angusella* Grote. 4.
*A. aurorella* Ely. 4.
*A. betulella* Hulst. Birch tubemaker/pyrale tubicole du bouleau. 2. 3. 4.
*A. caryae* Grote. 4.
*A. caryivorella* Ragonot. 4.
*A. comptoniella* Hulst. 4.
*A. demotella* Grote. 4.
*A. feltella* Dyar. 4.
*A. irrubriella* Ely. 4.
*A. juglandis* (LeBaron). Pecan leaf casebearer/pyrale du noyer. 4.
*A. kearfottella* Dyar. 4.
*A. ostryella* Ely. 4.
*A. palliolella* Ragonot. 4: Carleton (Ottawa).
A. rubrifasciella Packard. Alder tubemaker/pyrale tubicole de l'aulne. 4.
A. secundella Ely. 4.
A. stigmella Dyar. 4.
A. sylviella Ely. 4.
A. tricolorrella Grote. 4.
A. vaccinit Riley. Cranberry fruitworm/pyrale des atocas. 4n. 4s.

Genus Myelopsis Heinrich

M. coniella (Ragonot). 3. 4.
M. subtetricella (Ragonot). 2. 3. 4.

Genus Apomyelois Heinrich

A. bistriatella (Hulst). 2. 3. 4.

Genus Etiella Zeller

E. zinckenella (Treitschke). 4s: Welland (Port Colborne).

Genus Glyptocera Ragonot


Genus Immyrla Dyar

I. nigrovitella Dyar. 4.

Genus Oreana Hulst

O. unicolorella (Hulst). 4.

Genus Salebriaria Heinrich

S. engeli (Dyar). 4.
S. tenebrosella (Hulst). 4.

Genus Ortholepis Ragonot

O. myricella McDunnough. 3. 4.
O. pasadamia (Dyar). 3. 4.
Genus *Meroptera* Grote

*M. abditiva* Heinrich. 4.
*M. cviatella* Dyar. 4.
*M. pravella* (Grote). Aspen leafroller/enrouleuse du tremble. 2. 3. 4.

Genus *Nephopterix* Hübner

*N. basilaris* Zeller. 3. 4.
*N. carneella* Hulst. 2. 3. 4.
*N. subcaesiella* (Clemens). 4.
*N. vetustella* (Dyar). 4.
*N. virgatella* (Clemens). 4.

Genus *Tlascala* Hulst


Genus *Tulsa* Heinrich

*T. umbripennis* (Hulst). 2: Cochrane (Smoky Falls).

Genus *Telethusia* Heinrich


Genus *Pyla* Grote

*P. aenigmatica* Heinrich. 4.
*P. fusca* (Haworth). 2. 3. 4.

Genus *Dioryctria* Zeller

*D. abietivorella* (Grote). Fir coneworm/pyrale des cônes du sapin. 2. 3. 4.
*D. banksiella* Mutuura, Munroe, and Ross. 2. 3. 4.
*D. disclusa* Heinrich. 4.
*D. reniculelloides* Mutuura and Munroe. 4.
*D. zimmermani* (Grote). Zimmerman pine moth/pyrale des pousses du pin. 4.
Genus *Sarata* Ragonot [= *Megasis* Guenée]

*S. caudellella* (Dyar). 4n.

Genus *Canarsia* Hulst

*C. ulmiarrosorella* (Clemens). 4.

Genus *Psorosina* Dyar

*P. hammondi* (Riley). Appleleaf skeletonizer/squeletteuse du pommier. 4.

Genus *Homoeosoma* Curtis

*H. stypticellum* Grote. 3. 4.

Genus *Phycitodes* Hampson


Genus *Zophodia* Hübner

*Z. convulutella* (Hübner). Gooseberry fruitworm/pyrale des groseilles. 3. 4.

Genus *Euzophera* Zeller


Genus *Eulogia* Heinrich

*E. ochrifrontella* (Zeller). 3. 4.

Genus *Ephestiodes* Ragonot

*E. erythrella* Ragonot. 4.
*E. infimella* Ragonot. 4.

Genus *Moodna* Hulst

*M. ostrinella* (Clemens). 4.

Genus *Vitula* Ragonot

Genus *Manhatta* Hulst

*M. broweri* Heinrich. 4.

Genus *Plodia* Guenée

*P. interpunctella* (Hübner). Indian meal moth/pyrale indienne de la farine. 4. Common dried food pest.

Genus *Anagasta* Heinrich


Genus *Ephestia* Guenée

*E. elutella* (Hübner). Tobacco moth/pyrale du tabac. 4.

Genus *Cadra* Walker

*C. cautella* (Walker). Almond moth/pyrale des amandes. 4.

Genus *Eurythmia* Ragonot

*E. angulella* Ely. 3. 4.

Genus *Erelieva* Heinrich


Genus *Coenochroa* Ragonot

*C. illibella* (Hulst). 4.

Subfamily Peoriinae

Genus *Peoria* Ragonot

*P. gemmatella* (Hulst). 4s: Kent (Chatham).
*P. tetradella* (Zeller). 4s: Welland (Port Colborne).
Superfamily Thyridioidea
Family Thyrididae
Subfamily Thyridinae

Genus Thyris Laspeyres

*T. maculata* Harris. 4.

Superfamily Pterophoroidea
Family Pterophoridae
Subfamily Platyptiliinae

Genus Sphenarches Meyrick

*S. ontario* (McDunnough). 4: Norfolk (Normandale, type locality).

Genus Geina Tutt

*G. buscki* (McDunnough). 4: Muskoka (Go Home Bay, type locality).
*G. periscelidactyla* (Fitch). 4: Welland.
*G. n.sp.* 4: Carleton (Ottawa); Essex; Haldimand; Hastings; Kent; Middlesex; Norfolk; Oxford; Peterborough; Russell; Victoria; Wellington; Wentworth; York (Toronto). CNC.

Genus Capperia Tutt

*C. evansi* (McDunnough). 3: Cochrane. 4: Bruce; Carleton (Ottawa); Frontenac; Haldimand; Kent; Leeds; Norfolk; Welland; Wellington. CNC.

Genus Oxyptilus Zeller

*O. delawaricus* Zeller. 4: Carleton (Ottawa).

Genus Trichoptilus Walsingham

*T. lobidactylus* (Fitch). 4.
Genus *Platyptilia* Hübner

*P. carduidactyla* (Riley). 4s: Essex (Point Pelee).

*P. pallidactyla* (Haworth). 2. 3. 4.

*P. tesseradactyla* (Linné). 4.

Genus *Amblyptilia* Hübner


Genus *Stenoptilodes* Zimmerman

*S. carolina* (Kearfott). 4.
*S. edwardsii* (Fish). 4.

Genus *Stenoptilia* Hübner

*S. coloradensis* Fernald. 4: Carleton (Ottawa); Hastings. CNC.

Subfamily Pterophorinae

Genus *Adaina* Tutt


Genus *Oidaematophorus* Wallengren

*O. cretidactylus* (Fitch). 4.
*O. elliottii* (Fernald). 4.
*O. eupatorii* (Fernald). 4.
*O. glenni* Cashatt. 4. CNC.
*O. homodactylus* (Walker). 2. 3. 4.
*O. inquinatus* Zeller. 4.
*O. kellicottii* (Fish). 4. CNC.
*O. lacteodactylus* (Chambers). 4.
*O. phaceliae* McDunnough. 4.

Genus *Emmelina* Tutt

*E. monodactyla* (Linné). 4.
Superfamily Drepanoidea
Family Thyatiridae
Subfamily Thyatirinae
Tribe Habrosynini

Genus Habrosyne Hübner

H. gloriosa (Guenée) [= rectangulata Ottolengui]. 2: Cochrane. 4: Bruce; Carleton; Haldimand; Manitoulin; Middlesex; Simcoe. 7 June–24 July. AMNH, CNC, ROM, UG. Known from only a few specimens

H. scripta (Gosse). 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Durham; Frontenac; Haldimand; Hastings; Kent; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Simcoe; Wentworth; York. 22 May–September. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation occurs in late August in western Ontario, and in September in southern Ontario. The species is sympatric with H. gloriosa, which is probably often overlooked.

Genus Pseudothyatira Grote

P. cymatophoroides (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Peterborough; Renfrew; York. 5 May–30 August. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation may occur.

P. c. form expultrix (Grote). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Wentworth; York. Same flight period as P. cymatophoroides. AMNH, Beth, CNC, McM, ROM, UG. In his revision of the thyatirids, Werny (1966) showed cymatophoroides and expultrix to be different species. Ferguson (1983), however, proved by rearing larvae obtained from eggs laid by a female of the nominate form (cymatophoroides) that the progeny of 37 adult moths split 16:21 between cymatophoroides and expultrix.

Tribe Macrothyatirini

Genus Euthyatira Smith

E. pudens (Guenée). 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; York. 2 May–6 June. AMNH, CNC, McM, ROM, UG.
Local and rare, with few specimens in collections. Werny (1966) considered *E. pudens* and *E. p. form pennsylvanica* Smith to be distinct species. Ferguson (1983) raises reasonable doubts and for the time being should be followed. The only known locality for form *pennsylvanica* in Ontario is Frontenac (Perth Road, near Kingston).

**Family Drepanidae**  
**Subfamily Drepaninae**

**Genus Drepana Schrank**

*D. arcuata* Walker. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, LEM, McM, ROM, UG, UWO. First generation 2 May (Sudbury Dist.), 12 May (Leeds Co.)–5 July (Nipissing Dist.), 29 July (Algoma Dist.); second generation 1 July (Wentworth Co.), 10 July (Sudbury Dist.)–16 August (Cochrane Dist.), 27 August (York Co.).

*D. bilineata* (Packard). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Lanark; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, QU, ROM, UG, UWO. First generation 1 May (Carleton Co.), 29 May (Sudbury Dist.)–28 June (York Co.), 14 July (Thunder Bay Dist.); second generation 26 June (Muskoka Dist.), 2 July (Sudbury Dist.)–14 August (York Co.), 21 August (Sudbury Dist.). Live specimens of a partial third generation were caught in Toronto (ROM) as late as 21 August, and even 18 November, 1954. They are indistinguishable from specimens of the spring generation.

**Genus Eudeilinea Packard**

*E. herminiata* (Guenee). 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Kent; Middlesex; Norfolk; Simcoe; Victoria; Waterloo; Wentworth. 5 June–22 July. AMNH, Beth, CNC, ROM, UG. The form biseriata (Packard) occurs along with the nominate form.
Subfamily Oretinae

Genus *Oreta* Walker

*O. rosea* (Walker). 2: Cochrane; Kenora, Patricia Portion. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Norfolk; Renfrew; Simcoe; Victoria; Wentworth. AMNH, CNC, McM, ROM, UG. First generation 15 June (Haldimand Co.)–17 July (Carleton Co.); second generation 23 July (Carleton Co.)–18 August (Haldimand Co.). In the boreal forest region, only one generation occurs from 2 July, Smoky Falls (in Cochrane Dist.)–25 July, Vermilion Bay (in Kenora Dist.). The form *irrorata* (Packard) occurs along with the nominate form.

Superfamily Geometroidea

Family Geometridae

Subfamily Archiearinae


Genus *Archiearis* Hübner

*A. infans* (Möschler). 3: Rainy River; Sudbury. 4: Carleton; Halton; Leeds; Nipissing; Ontario; Parry Sound; Peterborough; Simcoe; Wentworth; York. CNC, ROM.

Genus *Leucobrephos* Grote

*L. brephoides* (Walker). 3: Thunder Bay (Hymers). Known only from this locality. ROM.

Subfamily Oenochrominae


Genus *Alsophila* Hübner

*A. pometaria* (Harris). Fall cankerworm/arpenteuse d’automne. 3: Kenora. 4: Brant; Carleton; Durham; Elgin; Haldimand; Hastings; Lambton; Leeds; Muskoka; Norfolk; Peel; Prince Edward; Simcoe; Victoria; Waterloo; Welland; York. CNC, ROM.

Subfamily Geometrinae

Tribe Nemoriini

Genus *Nemoria* Hübner

*N. bistriaria* Hübner. 3: Sudbury. 4: Carleton; Hastings; Leeds; Renfrew. CNC, ROM. Subspecies *N. b. rubromarginaria* (Packard).

*N. mimosaria* (Guenée). 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Haliburton; Hastings; Leeds; Nipissing; Parry Sound; Russell; Simcoe; Victoria; Welland; York. CNC, ROM.

*N. rubrifrontaria* (Packard). 2: Cochrane. 3: Sudbury. 4: Carleton; Leeds; Muskoka; Simcoe; Victoria; York. CNC, ROM.

Genus *Dichorda* Warren

*D. iridaria* (Guenée). 4: Essex; Hastings; Leeds; Renfrew; Welland. CNC, ROM.

Tribe Synchlorini

Genus *Synchlora* Guenée

*S. aerata* (Fabricius) [= *liquoraria* Guenée]. 2: Thunder Bay. 3: Kenora; Rainy River; Thunder Bay. 4: Bruce; Carleton; Essex; Hastings; Leeds; Lincoln; Muskoka; Norfolk; Simcoe; Welland; York. AMNH, CNC, ROM. Subspecific status uncertain.

Tribe Hemitheiini

Genus *Chlorochlamys* Hulst

*C. chloroleucaria* (Guenée). 3: Rainy River; Sudbury. 4: Bruce; Carleton; Essex; Haldimand; Hastings; Leeds; Norfolk; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Hethemia* Ferguson

*H. pistasciaria* (Guenée). 3: Algoma. 4: Carleton; Essex; Haldimand; Leeds. AMNH, CNC, ROM.

Genus *Mesothea* Warren

*M. incertata* (Walker). 3: Cochrane; Thunder Bay. 4: Carleton; Haliburton; Leeds; Middlesex; Parry Sound. AMNH, CNC, ROM.
Subfamily Sterrhinae
See McGuffin (1967).

Tribe Sterrhini

Genus *Idaea* Treitschke [ = *Sterrha* Hübner]

*I. demissaria* (Hübner). 3: Sudbury. 4: Frontenac; Haldimand; Hastings; Huron; Lincoln; Peterborough. AMNH, CNC, ROM.

*I. dimidiata* (Hufnagel). 4: Carleton. CNC.

*I. rotundopennata* (Packard). 2: Kenora. 4: Frontenac; Hastings; Muskoka. CNC, ROM.


Tribe Cosymbiini

Genus *Pleuroprucha* Möschler

*P. insulsaria* (Guenee). 3: Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Leeds; Norfolk; Peterborough; York. AMNH, CNC, ROM.

Genus *Cyclophora* Hübner

*C. pendulinaria* (Guenee). 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grenville; Haldimand; Hastings; Leeds; Muskoka; Nipissing; Parry Sound; Peterborough; Renfrew; Simcoe; York. AMNH, CNC, ROM.

Tribe Timandrini

Genus *Haematopis* Hübner

*H. grataria* (Fabricius). 4: Bruce; Carleton; Essex; Frontenac; Grenville; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.
Tribe Scopulini

Genus Scopula Schrank

*S. ancellata* (Hulst). 2: Thunder Bay (Geraldton). 3: Cochrane (Low Bush); Thunder Bay (Black Sturgeon Lake). AMNH, CNC, ROM.

*S. cacuminaria* (Morrison). 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Victoria; Welland; York. AMNH, CNC, ROM.

*S. frigidaria* (Möschler). 2: Cochrane (Ogoki Post). CNC. *S. inductata* (Guenée). 2: Cochrane. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Muskoka; Norfolk; Ontario; Peel; Waterloo; Welland; Wentworth; York. AMNH, CNC, ROM.

*S. junctaria* (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Renfrew; Victoria; York. AMNH, CNC, ROM.

*S. limboundata* (Haworth). 2: Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Muskoka; Norfolk; Peterborough; Renfrew; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

*S. purata* (Guenée). 4s.

*S. quadrilineata* (Packard). 2: Thunder Bay. 4: Carleton; Frontenac; Hastings; Parry Sound; Victoria; Wentworth. AMNH, CNC.

Genus Leptostales Möschler [= Xystrota Hulst]

*L. ferruminaria* (Zeller). 4: Carleton; Frontenac; Hastings; Leeds; Victoria. AMNH, CNC, ROM.

Subfamily Larentiinae
Tribe Hydriomenini

Genus Dysstroma Hübner

*D. citrata* (Linné). 2: Cochrane (Ogoki Post). 3: Thunder Bay (South Neebing Twp.). 4: Haldimand; Nipissing; Ontario; Peterborough; York. CNC, ROM.

*D. hersiliata* (Guenée). 2: Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Norfolk; Peterborough; Welland; Wentworth; York.
AMNH, CNC, ROM. Subspecies D. h. cervinifascia (Walker); D. h. manitoba McDunnough.

D. truncata (Hufnagel). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Hastings; Middlesex; Nipissing; Peterborough. AMNH, CNC, ROM.

D. sp. 2: Thunder Bay (Geraldton). AMNH.

Genus Eulithis Hübner [= Lygris Hübner]

E. destinata (Möscler). 2: Cochrane; Thunder Bay. AMNH, CNC.

E. diversilineata (Hübner). Grapevine looper/arpenteuse de la vigne. 3: Thunder Bay. 4: Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Muskoka; Peterborough; Wentworth; York. AMNH, CNC, ROM.

E. explanata (Walker). 2: Cochrane; Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Muskoka; Nipissing; Peterborough. AMNH, CNC, ROM.

E. gracilineata (Gueneé). 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Nipissing; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

E. molliculata (Walker). 4: Bruce; Haldimand; Lincoln; Middlesex; Simcoe. CNC, ROM.

E. propulsata (Walker). 2: Cochrane; Kenora. 3: Rainy River. 4: Carleton; Durham. CNC, ROM.

E. serrataria (Barnes and McDunnough). 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Peterborough. AMNH, CNC, ROM.

E. testata (Linné). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Wentworth; York. AMNH, CNC, ROM.

Genus Eustroma Hübner

E. semiatrata (Hulst). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming; Thunder Bay. 4: Frontenac; Norfolk. AMNH, CNC.

Genus Ecliptoptera Warren [= Diactinia Warren]

E. silaceata (Denis and Schiffermüller). 2: Cochrane. 3: Thunder Bay; Timiskaming. 4: Halton; Hastings; Leeds; Peel; Peterborough; York. CNC, ROM. Subspecies E. s. albolineata (Packard).

Genus Plemyria Hübner

P. georgii Hulst. 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Peterborough. CNC, ROM.
Genus *Thera* Stephens

*T. contractata* (Packard). 3: Sudbury. 4: Frontenac; Leeds; Manitoulin; Muskoka. CNC.

*T. juniperata* (Linné). 4: Frontenac; Haldimand; Leeds; York. AMNH, CNC, ROM.

Genus *Hydriomena* Hübnner

*H. divisaria* (Walker). Transverse-banded looper/arpenteuse à bandes transversales. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Lanark; Leeds; Nipissing; Renfrew; Victoria. AMNH, CNC.

*H. furcata* (Thunberg). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. AMNH, CNC.

*H. perfracta* Swett. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. AMNH, CNC.

*H. renunciata* (Walker). 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Essex; Frontenac; Hastings; Leeds; Muskoka; Nipissing; Parry Sound; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

*H. ruberata* (Freyer). 3: Sudbury. 4: Carleton; Hastings; Middlesex; Parry Sound. AMNH, CNC, ROM.

*H. transfigurata* Swett. 3: Thunder Bay (Black Sturgeon Lake). CNC.

Genus *Triphosa* Stephens

*T. haesitata* (Guenee). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe; York. AMNH, CNC, ROM. Subspecies *T. h. affirmaria* (Walker).

Genus *Coryphista* Hulst

*C. meadii* (Packard). 4: Carleton; Essex; Frontenac; Hastings; Leeds; Peterborough; Wentworth; York. CNC. Subspecies *C. m. atlantica* Munroe.

Genus *Hydria* Hübnner

*H. undulata* (Linne). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Algoma; Carleton; Essex; Frontenac; Haliburton; Hastings; Huron; Leeds; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.
Genus *Rheumaptera* Hübner

*R. hastata* (Linne). Birch looper/arpenteuse noire du bouleau. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Halldimand; Haliburton; Hastings; Leeds; Nipissing; Norfolk; Ontario; Wentworth; York. AMNH, CNC, ROM.


Genus *Entephria* Hübner [= *Dasyurus* auct.]

*E. aurata* (Packard). 2: Thunder Bay. 4: Carleton; Peterborough. AMNH, CNC, ROM.

*E. polata* (Duponchel). 1: Kenora, Patricia Portion (Cape Henrietta Maria). ROM. Subspecies not ascertained; subspecies *E. p. bradorata* (Munroe).

Genus *Mesoleuca* Hübner

*M. ruficillata* (Guennée). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Halldimand; Haliburton; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Simcoe; York. AMNH, CNC, ROM.

Genus *Spargania* Guenée

*S. luctuata* (Denis and Schiffermüller). 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton. AMNH, CNC, ROM. Subspecies *S. l. obductata* (Möschler).

*S. magnoliata* Guenée. 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Thunder Bay. 3: Sudbury. 4: Carleton; Dufferin; Durham; Frontenac; Hastings; Middlesex; Muskoka; Parry Sound; Wentworth. AMNH, CNC, ROM.

Genus *Perizoma* Hübner

*P. basaliatum* (Walker). 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Carleton; Dufferin; Hastings; Leeds. AMNH, CNC, ROM.

Genus *Anticlea* Stephens [= *Earophila* Gumpenberg]

*A. multiferata* (Walker). 2: Cochrane; Thunder Bay. 3: Algoma. 4: Carleton; Durham; Halldimand; Hastings; Kent; Leeds; Middlesex; Norfolk; York. AMNH, CNC, ROM.
A. *vasiliata* Guenée. 2: Cochrane; Thunder Bay. 3: Algoma; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds. AMNH, CNC, ROM.

**Tribe Stamnodini**

**Genus Stamnodes** Guenée

*S. gibbicostata* (Walker). 4: Carleton; Middlesex; Welland. CNC, ROM.

**Tribe Xanthorhoini**

**Genus Xanthoroe** Hübner


*X. algidata* (Möschler). 2: Cochrane (Ogoki Post). CNC.

*X. ferrugata* (Clerk). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Norfolk; Victoria; Wentworth; York. AMNH, CNC, ROM.

*X. iduata* (Guenée). 2: Cochrane; Kenora. 3: Sudbury; Thunder Bay. 4: Frontenac; Leeds. CNC.

*X. labradorensis* (Packard) [= *designata* auct.]. 1: Kenora, Patricia Portion (Fort Severn). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Ontario; Renfrew; Simcoe; Wentworth; York. AMNH, CNC, ROM.

*X. lacustrata* (Guenée). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

*X. munitata* (Hübner). 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. AMNH, CNC, ROM.

*X. packardata* McDunnough. 2: Cochrane. 3: Rainy River; Thunder Bay. 4: Carleton; Hastings; Norfolk; Parry Sound; Victoria; York. CNC.

**Genus Epirrhoe** Hübner

*E. alternata* (Müller). 1: Kenora, Patricia Portion (Cape Henrietta Maria). 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Norfolk; York. AMNH, CNC, ROM.

*E. sperryi* Herbulot. 2: Cochrane (Fort Albany); Thunder Bay (Geraldton). AMNH, ROM.
**Genus Euphyia Hübner**

*E. unangulata (Haworth).* 2: Cochrane. 3: Rainy River; Sudbury. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Muskoka; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM. Subspecies *E. u. intermediata* (Guénée).

**Genus Orthonama Hübner** [= *Nycterosea* Hulst]

*O. centrostrigaria (Wollaston).* 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

*O. evansi (McDunnough).* 4: Hastings; Victoria. CNC.

*O. obstipata (Fabricius).* 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Renfrew; Wellington; Wentworth; York. AMNH, CNC, ROM.

**Tribe Asthenini**

**Genus Hydrelia Hübner**

*H. albifera (Walker).* 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Haldimand; Hastings; Kent; Middlesex; York. AMNH, CNC, ROM.

*H. condensata (Walker).* 3: Algoma; Thunder Bay. 4: Carleton; Dufferin; Hastings; Middlesex; Parry Sound; Simcoe; Victoria. AMNH, CNC, ROM.

*H. inornata (Hulst).* 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Nipissing; Renfrew. CNC.

**Genus Venusia Curtis**

*V. cambrica Curtis.* 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. AMNH, CNC.

*V. comptaria (Walker).* 3: Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; York. AMNH, CNC, ROM.

**Genus Trichodezia Warren**

*T. albovittata (Guénée).* 2: Cochrane; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.
Tribe Operophterini

Genus *Epirrita* Hübner

*E. autunnata* (Borkhausen). 3: Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex. AMNH, CNC, ROM. Subspecies *E. a. henshawi* (Swett).

Genus *Operophtera* Hübner

*O. bruceata* (Hulst). 2: Thunder Bay. 3: Algoma; Timiskaming. 4: Carleton; Dufferin; Frontenac; Haldimand; Hastings; Leeds; Nipissing; Wellington; York. AMNH, CNC, ROM.

Tribe Eudulini

Genus *Eubaphe* Hübner

*E. mendica* (Walker). 3: Algoma; Rainy River. 4: Carleton; Dufferin; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Simcoe; York. AMNH, CNC, ROM.

Tribe Eupitheciini

Genus *Horisme* Hübner

*H. intestinata* (Guenée). 2: Cochrane. 3: Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Parry Sound; Simcoe; Welland; York. AMNH, CNC, ROM.

Genus *Eupithecia* Curtis

*E. absinthiata* (Clark) [= *coagulata* Guenée]. 2: Thunder Bay. 4: Frontenac; Haldimand; York. CNC.

*E. affinata* Pearsall. 4: Carleton; Hastings; Lanark; Leeds. CNC.

*E. albicapitata* Packard. 3: Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Parry Sound. CNC.

*E. annulata* (Hulst). 2: Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Carleton (Lanark Sound). CNC.

*E. anticaria* Walker. 2: Thunder Bay. 3: Sudbury. AMNH.

*E. bowmani* Cassino and Swett. 4: Manitoulin. CNC.

*E. bradorata* McDunnough. 3: Sudbury; Thunder Bay. CNC.

*E. cimicifugata* Pearsall. 4: Carleton; Hastings. CNC.
E. coloradensis (Hulst). 3: Thunder Bay. 4: Lanark. CNC.
E. cretacea (Packard). 4: Manitoulin. CNC.
E. fletcherata Taylor. 2: Thunder Bay (Geraldton). 4: Frontenac. AMNH.
E. fumosa (Hulst). 4: Carleton; Hastings; Lanark; Simcoe. CNC.
E. gelidata (Möschler). 2: Cochrane. 3: Sudbury. 4: Carleton. CNC.
E. interruptofasciata Packard. 2: Cochrane. 4: Carleton; Bruce; Frontenac; Hastings; Muskoka. CNC.
E. johnstoni McDunnough. 4: Hastings; Lanark. CNC.
E. miserulata Grote. 3: Sudbury. 4: Frontenac; Leeds; York. AMNH, CNC.
E. misturata (Hulst). 2: Cochrane. 3: Sudbury. 4: Carleton; Hastings. CNC.
E. mutata Pearsall. 3: Cochrane; Thunder Bay. 4: Carleton; Grey; Lanark; Leeds; Nipissing; Norfolk; Simcoe. CNC.
E. nimbicolor (Hulst). 2: Thunder Bay (Geraldton). 3: Sudbury. AMNH.
E. palpata Packard. Small pine looper/petite arpenteur du pin. 2: Thunder Bay (Nakina). 3: Rainy River. 4: Carleton; Frontenac; Hastings; Leeds. AMNH, CNC.
E. perfusca (Hulst). 3: Rainy River; Sudbury; Thunder Bay. 4: Frontenac; York. AMNH, CNC. Subspecies E. p. youngata Taylor.
E. ravocostaliata Packard. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Frontenac; Leeds. AMNH, CNC.
E. russeliata Swett. 3: Sudbury. 4: Frontenac. AMNH, CNC.
E. sheppardata McDunnough. 3: Sudbury. 4: Carleton. CNC.
E. strattonata Packard. 3: Sudbury (Sudbury). AMNH.
E. subfuscata (Haworth) [= castigata (Hübner)]. 2: Thunder Bay. 3: Sudbury; Thunder Bay. 4: Leeds; York. AMNH, CNC.
E. swetti Grossbeck. 4: Carleton; Lanark; Leeds; Peterborough. CNC.
E. tripunctaria Herrich-Schäffer. 3: Thunder Bay. CNC.

Tribe Lobophorini

Genus Carsia Hübner

C. sororiata (Hübner). 2: Cochrane. 3: Rainy River. CNC. Subspecies not ascertained.
Genus *Acasis* Duponchel

*A. viridata* (Packard). 3: Thunder Bay. 4: Carleton. CNC.

Genus *Cladara* Hulst

*C. atroliturata* (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Middlesex; Muskoka; Peterborough. AMNH, CNC, ROM.

*C. limitaria* (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Muskoka; Peel; York. AMNH, CNC, ROM.

Genus *Lobophora* Curtis

*L. nivigerata* Walker. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Haliburton; Hastings; Leeds; Muskoka; Norfolk; Peterborough; Wentworth; York. AMNH, CNC, ROM.

Genus *Heterophleps* Herrich-Schäffer

*H. refusaria* (Walker). 4: Carleton; Durham; Essex; Huron; Middlesex; Norfolk. CNC, ROM.

*H. triguttaria* Herrich-Schäffer. 4: Carleton; Essex; Frontenac; Hastings; Huron; Leeds; Lincoln; Middlesex; Norfolk; Simcoe; Victoria; York. CNC, ROM.

Genus *Dyspteris* Hübner

*D. abortivaria* (Herrich-Schäffer). 4: Carleton; Durham; Essex; Frontenac; Hastings; Kent; Leeds; Norfolk; Ontario; Peel. CNC, ROM.

Subfamily Ennominae


Tribe Abraxini

Genus *Heliomata* Grote and Robinson

*H. cycladata* Grote and Robinson. 4: Carleton; Haldimand; Leeds; Norfolk; Simcoe; Welland; York. AMNH, CNC, ROM.
Genus Protitame McDunnough

*P. virginalis* (Hulst). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Peterborough; Prescott; Simcoe; Wentworth. AMNH, CNC, ROM.

Tribe Semiothisini
See McGuffin (1972).

Genus Eumacaria Packard

*E. latiferrugata* (Walker). 4: Carleton; Leeds; Muskoka; York. CNC, ROM.

Genus Itame Hübner

*I. abruptata* (Walker). 4: Bruce; Muskoka. CNC.

*I. anataria* (Swett). 2: Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Haldimand; Leeds; Muskoka; Wentworth. AMNH, CNC, ROM.

*I. andersoni* (Swett). 2: Cochrane; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough. AMNH, CNC, ROM. Subspecies *I. a. orientis* Ferguson.

*I. argillacearia* (Packard). 4: Hastings; Huron; Norfolk. CNC, ROM.

*I. bitactata* (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Hastings; Nipissing. AMNH, CNC.

*I. brunneata* (Thunberg). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Leeds. AMNH, CNC.

*I. coortaria* (Hulst). 4: Durham; Elgin; Essex; Halton; Hastings; Kent; Middlesex; Peterborough; Welland; Wentworth; York. AMNH, CNC, ROM. Subspecies *I. c. enigmata* (Burns and McDunnough).

*I. evagaria* (Hulst). 4: Frontenac; Lambton; Leeds. CNC, ROM.

*I. exauspicata* (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Grey; Leeds; Nipissing; Norfolk; Simcoe. AMNH, CNC, ROM.


*I. loricaria* (Eversmann). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Hastings; Middlesex; Victoria. AMNH, CNC. Subspecies *I. l. julia* (Hulst).

*I. occiduaria* (Packard). 4: Huron (Grand Bend); Lambton. CNC. Only known localities.

*I. pustularia* (Gueneé). 3: Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds;
Lennox and Addington; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

1. ribearia (Fitch). Currant spanworm/arpenteuse du groseillier. 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Hastings; Lanark; Leeds; Lennox and Addington; Middlesex; Parry Sound; Peterborough; York. AMNH, CNC, ROM.

1. subcessaria (Walker). 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Lennox and Addington; Middlesex; Muskoka; Peterborough. AMNH, CNC, ROM.

1. sulphurea (Packard). 2: Cochrane; Thunder Bay. 3: Rainy River. 4: Frontenac; Huron; Leeds. AMNH, CNC, ROM.

Genus Epelis Hulst [= Isturgia auct.]

E. truncatia (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Timiskaming. 4: Carleton; Frontenac; Middlesex; Waterloo; Wellington. AMNH, CNC, ROM.

Genus Mellilla Grote


Genus Semiothisa Hüblner

S. aemulatia (Walker). 4: Frontenac; Hastings; Leeds; Waterloo; York. CNC, ROM.

S. banksianae Ferguson. 4: Leeds. ROM.

S. bicolorata (Fabricius). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Grey; Leeds; Muskoka; Nipissing; Oxford; Renfrew. AMNH, CNC, ROM.

S. bisignata (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haliburton; Hastings; Leeds; Norfolk; Peterborough; Renfrew; Simcoe; Waterloo; Welland; York. AMNH, CNC, ROM.

S. denticulata Grote. 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Huron. AMNH, CNC, ROM.

S. fissinotata (Walker). 3: Algoma; Sudbury. 4: Bruce; Carleton; Dufferin; Grenville; Grey; Hastings; Leeds; Middlesex; Muskoka; Norfolk; Oxford; Peel; Simcoe; Welland; Wellington; York. AMNH, CNC, ROM.

S. gnosphosaria (Guenée). 4: Leeds; Middlesex; Welland; York. AMNH, CNC.

S. hebetata (Hulst). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. AMNH, CNC, ROM.
S. mellistrigata (Grote). 3: Algoma; Rainy River; Sudbury. 4: Carleton; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Welland; Wentworth; York. AMNH, CNC, ROM

S. minorata (Packard). 3: Algoma; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Nipissing; Norfolk; Parry Sound; Renfrew; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

S. neptaria (Gueneé). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury. 4: Carleton; Frontenac; Leeds. AMNH, CNC.

S. ocellinata (Gueneé). 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Norfolk; Northumberland; Prince Edward; Welland; Wentworth; York. AMNH, CNC.

S. orillata (Walker). 2: Cochrane. 3: Algoma; Sudbury. 4: Carleton; Frontenac; Hastings; Leeds; Nipissing; Norfolk; York. AMNH, CNC, ROM.

S. oweni (Swett). Owen’s green looper/arpenteuse sombre. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Ontario. AMNH, CNC, ROM.

S. pinistrobata Ferguson. 3: Algoma; Rainy River; Sudbury. 4: Carleton; Hastings; Renfrew. CNC.

S. sexmaculata (Packard). Green larch looper/arpenteuse verte du mélèze. 2: Cochrane; Thunder Bay. 3: Algoma; Cochrane; Sudbury; Thunder Bay. 4: Brant; Carleton; Frontenac; Haliburton; Hastings; Leeds; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Stormont; York. AMNH, CNC, ROM.

S. signaria (Hübner). 2: Cochrane. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Haliburton; Hastings; Lanark; Leeds; Niagara; Nipissing; Parry Sound; Renfrew; Simcoe. CNC. Subspecies S. s. dispunctata (Walker).

S. submarmorata (Walker). 2: Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Haliburton; Hastings; Lanark; Leeds; Nipissing; Simcoe; Welland; York. CNC, ROM.

S. transitaria (Walker). 3: Sudbury. 4: Durham; Leeds; Nipissing. AMNH, ROM.

S. ulsterata (Pearsall). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Welland; York. AMNH, CNC, ROM.

Genus Enconista Lederer

Tribe Boarmiini

Genus Orthofidonia Packard

*O. flavivenata* (Hulst). 2: Cochrane. 4: Frontenac; Leeds; Middlesex; Muskoka. CNC, ROM.

*O. tinctoria* (Walker). 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Muskoka; Parry Sound. CNC, ROM.

Genus Hesperumia Packard

*H. sulphuraria* Packard. 3: Sudbury. 4: Carleton; Grenville; Hastings; Leeds; Parry Sound; Peterborough. AMNH, CNC, ROM.

Genus Ematurga Lederer

*E. amitaria* (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Muskoka; Nipissing; Norfolk; Parry Sound. AMNH, CNC, ROM.

Genus Stenoporpia McDunnough

*S. polygrammaria* (Packard). 3: Algoma; Thunder Bay. 4: Frontenac; Kent; Leeds; Muskoka. CNC, ROM.

Genus Aethalura McDunnough

*A. intertexta* (Walker). 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Ontario; Russell; Simcoe; Victoria; York. AMNH, CNC, ROM.

Genus Anacamptodes McDunnough

*A. ephyaria* (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Timiskaming. 4: Carleton; Frontenac; Haliburton; Hastings; Huron; Leeds; Norfolk; Northumberland. AMNH, CNC, ROM.

*A. humaria* (Guenée). 2: Cochrane. 3: Thunder Bay. 4: Carleton; Huron. AMNH, CNC.

*A. vellivolata* (Hulst). 3: Rainy River; Sudbury. 4: Carleton; Frontenac; Grey; Huron; Leeds; Nipissing; Norfolk; Ontario; Victoria. AMNH, CNC, ROM.
Genus *Iridopsis* Warren

*I. larvaria* (Guenée). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Haliburton; Hastings; Muskoka; Leeds; Parry Sound; Peterborough; Victoria; York. AMNH, CNC, ROM.

Genus *Anavitrinelia* McDunnough

*A. pampinaria* (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Huron; Lanark; Leeds; Nipissing; Norfolk; Renfrew; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Cleora* Curtis

*C. projecta* (Walker). 3: Sudbury; Timiskaming. 4: Carleton; Frontenac. AMNH, CNC.

*C. sublunaria* (Guenée). 4: Frontenac (Perth Road). CNC. Only known locality.

Genus *Ectropis* Hübner

Saddleback looper/arpenteuse bossue de la pruche.

*E. crepuscularia* (Denis and Schiffermüller). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peterborough; Renfrew; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Hypagyrtis* Hübner

See Rindge (1985).

*H. piniata* (Packard). Pine looper/arpenteuse du pin. 3: Algoma; Rainy River; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Renfrew; Wentworth; York. AMNH, CNC, ROM.

*H. unipunctata* Haworth. 2: Kenora. 3: Sudbury. 4: Frontenac; Grey; Hastings; Leeds; Muskoka; Nipissing; Norfolk; Victoria; York. AMNH, CNC, ROM.
Genus *Protoboarmia* McDunnough

*P. porcelaria* (Guenée). Dotted line looper/arpenteuse dodule. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Nipissing; Ontario; Simcoe. AMNH, CNC, ROM.

Genus *Epimecis* Hübner

*E. hortaria* (Fabricius). 4: Kent; Lincoln; Norfolk; Welland. CNC, ROM.

Tribe Melanolophiini


Genus *Melanolophia* Hulst

*M. canadaria* (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury. 4: Carleton; Dufferin; Durham; Frontenac; Haliburton; Hastings; Leeds; Middlesex; Norfolk; Ontario; Renfrew; Simcoe; Victoria; York. AMNH, CNC, ROM.

*M. signataria* (Walker). 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Renfrew. AMNH, CNC, ROM.

Genus *Eufidonia* Packard

*E. convergaria* (Walker). 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Renfrew; Victoria. CNC.

*E. discospilata* (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Haliburton; Leeds; Parry Sound. AMNH, CNC, ROM.

*E. notataria* (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Dufferin; Frontenac; Haliburton; Hastings; Huron; Leeds; Nipissing; Norfolk; Simcoe; Victoria; Wellington; York. AMNH, CNC, ROM.

Tribe Bistonini

Genus *Biston* Leach

The generic name is of masculine gender.

*B. betularius* (Linné). Pepper-and-salt moth/arpenteuse du gadelier. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings;
Kent; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM. Subspecies B. b. cognatarius (Guenee).

Genus Lycia Hübner

*L. ursaria* (Walker). 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Victoria; Wentworth; York. AMNH, CNC, ROM.

Genus Phigalia Duponchel

*P. strigataria* (Minot). 4: Frontenac; Hastings; Leeds. CNC, ROM.

*P. titea* (Cramer). 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Ontario; Wentworth; York. AMNH, CNC, ROM.

Genus Paleacrita Riley

*P. merricata* Dyar. 4: Muskoka (Severn Bridge); York (Toronto). CNC, ROM.

*P. vernata* (Peck). Spring cankerworm/arpenette du printemps. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Leeds; Middlesex; Muskoka; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus Erannis Hübner

*E. tiliaria* (Harris). Linden looper/arpenette du tilleul. 2: Cochrane; Thunder Bay. 4: Brant; Carleton; Durham; Essex; Frontenac; Grenville; Grey; Haldimand; Hastings; Leeds; Lincoln; Middlesex; Muskoka; Northumberland; Peterborough; Prince Edward; Waterloo; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Baptini

Genus Lomographa Hübner

*L. glomeraria* (Grote). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Halton; Muskoka. AMNH, CNC, ROM.

*L. semiclarata* (Walker). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haliburton; Halton; Hastings; Leeds; Muskoka; Parry Sound; Simcoe. AMNH, CNC, ROM.
L. vestaliata (Guenée). 2: Kenora, Patricia Portion. 3: Rainy River; Thunder Bay. 4: Brant; Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Hastings; Kent; Leeds; Middlesex; Norfolk; Victoria; York. AMNH, CNC, ROM.

Tribe Caberini

Genus Cabera Treitschke

C. borealis (Hulst). 2: Thunder Bay (Longlac). AMNH, ROM.

C. erythemaria Guenée. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Peel; Victoria; Wentworth; York. AMNH, CNC, ROM.

C. variolaria Guenée. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Norfolk; Victoria; Waterloo; Wentworth. AMNH, CNC, ROM.

Genus Apodrepanulatrix Rindge

A. liberaria (Walker). 4: Carleton; Leeds; Norfolk; Peterborough; Victoria; York. CNC, ROM.

Genus Erastria Hübner [= Syrrhodia Hübner]

E. coloraria (Fabricius). 4: Hastings; Huron; Northumberland; York. CNC, ROM.

E. cruentaria (Hübner). 4: Huron; Lambton. CNC.

Tribe Angeronini

Genus Aspitates Treitschke

A. orciferarius (Walker). 1: Kenora, Patricia Portion (Fort Severn, 20 July 1940). ROM.

Genus Lytrosis Hulst

L. unitaria (Herrich-Schäffer). 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Muskoka; Norfolk. AMNH, CNC, ROM.
Genus Euchlaena Hübner

E. *effecta* (Walker). 3: Sudbury. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

E. *irraria* (Barnes and McDunnough). 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peterborough; Victoria. AMNH, CNC, ROM.

E. *johnsonaria* (Fitch). 2: Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Grenville; Haldimand; Hastings; Huron; Leeds; Muskoka; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Welland; York. AMNH, CNC, ROM.

E. *madusaria* (Walker). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton. AMNH, CNC.

E. *marginaria* (Minot). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Leeds; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; York. AMNH, CNC, ROM.

E. *muzaria* (Walker). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Haldimand; Muskoka; Nipissing; Peel; Simcoe; Wentworth. AMNH, ROM.

E. *obtusaria* (Hübner). 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Peel; Renfrew; Welland; Wentworth; York. AMNH, CNC, ROM.

E. *serrata* (Drury). 3: Sudbury. 4: Carleton; Essex; Frontenac; Haldimand; Hastings; Huron; Leeds; Lennox and Addington; Middlesex; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.

E. *tigrinaria* (Guenee). 3: Thunder Bay. 4: Carleton; Halton; Nipissing; Renfrew; York. AMNH, CNC, ROM.

Genus Xanthotype Warren

X. *sospeta* (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Leeds; Middlesex; Nipissing; Norfolk; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. AMNH, CNC, ROM.

X. *urticaria* Swett. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Leeds; Lennox and Addington; Muskoka; Nipissing; Simcoe; Wentworth; York. AMNH, CNC, ROM.
Tribe Azelinini

Genus Pero Herrich-Schäffer

*P. honestaria* (Walker). 2: Cochrane. 3: Thunder Bay. 4: Bruce; Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Simcoe; Welland; Wentworth; York. AMNH, CNC, ROM.

*P. hubneraria* (Guenée) [= *marmoratus* (Grossbeck)]. 4: Frontenac (Perth Road, P. S. Ward, only two specimens). ROM.

*P. morrisonaria* (Hy. Edwards). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Simcoe; Wellington; Wentworth; York. AMNH, CNC, ROM.

Tribe Nacophorini

Genus Nacophora Hulst


*N. quernaria* (J. E. Smith). 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Huron; Kent; Lanark; Leeds; Lincoln; Muskoka; Wentworth; York. AMNH, CNC, ROM.

Tribe Campaeini

Genus Campaea Lamarck

*C. perlata* (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Haliburton; Hastings; Huron; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Tribe Ennomini

Genus Ennomos Treitschke [= *Deuteronomos* Prout]

The generic name can be of both masculine and feminine genders; however, it was used as feminine in the type species.
**E. magnaria** Guenée. Maple spanworm/arpenteuse de l’érable. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Victoria; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

**E. subsignaria** (Hübner). Elm spanworm/arpenteuse de l’orme. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

**Tribe Epirranthini**

**Genus Epirranthis** Hübner

**E. substriataria** (Hulst). 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Muskoka; Northumberland; York. AMNH, CNC, ROM.

**Tribe Lithinini**

**Genus Petrophora** Hübner

**P. subaequaria** Walker. 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Victoria; Wentworth; York. AMNH, CNC, ROM.

**Genus Tacparia** Walker

**T. atropunctata** (Packard). 3: Sudbury. 4: Frontenac; Hastings; Leeds. AMNH, CNC, ROM.

**T. detersata** (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Hastings; Leeds; Muskoka; Nipissing; Peterborough; Victoria; York. AMNH, CNC, ROM.

**Genus Homochlodes** Hulst

**H. fritillaria** (Guenée). 2: Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Parry Sound; Simcoe; York. AMNH, CNC, ROM.
Genus *Gueneria* Packard

*G. similaria* (Walker). 4: Carleton; Frontenac; Leeds; Middlesex; Norfolk. AMNH, CNC.

**Tribe Anagogini**

Genus *Selenia* Hübner

*S. alciphearia* Walker. 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Frontenac. AMNH, CNC.

*S. kentaria* (Grote and Robinson). 3: Rainy River; Thunder Bay. 4: Carleton; Hastings. CNC.

Genus *Metanema* Gueneé

*M. determinata* Walker. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Haldimand; Hastings; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Welland; York. AMNH, CNC, ROM.

*M. inatomaria* Gueneé. 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Victoria; Welland; Wellington; York. AMNH, CNC, ROM.

Genus *Metarranthis* Warren

See Rupert (1943).

*M. amyrisaria* (Walker). 4: Carleton (Constance Bay. South March). CNC.

*M. apiciaria* (Packard). 4: York (Toronto only, 1906 and 1911). ROM.

*M. duaria* (Gueneé). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Parry Sound; Victoria; Welland; York. AMNH, CNC, ROM.

*M. hypochraria* (Herrich-Schäffer). 3: Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Northumberland; Ontario; Peel; Simcoe; Victoria; Welland; York. AMNH, CNC, ROM.

*M. indeclinata* (Walker). 4: Durham; Frontenac; Leeds. AMNH, CNC, ROM.

*M. obfirmaria* (Hübner). 3: Sudbury. 4: Carleton; Frontenac; Leeds. AMNH, CNC, ROM.

*M. refractaria* (Gueneé). AMNH, not yet segregated in collection.

*M. warnerae* (Harvey). 2: Cochrane. 3: Sudbury. 4: Carleton; Frontenac; Leeds; Nipissing; Wentworth. AMNH, CNC, ROM.
Genus *Cepphis* Hübner [= *Priocyla* Guenée]

*C. armataria* (Herrich-Schäffer). 3: Rainy River. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Ontario; Peterborough; York. AMNH, CNC, ROM.

*C. decoloraria* (Hulst). 4: Hastings; Leeds; Muskoka; Nipissing. CNC, ROM.

Genus *Anagoga* Hübner

*A. occiduaria* (Walker). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Halton; Leeds; Muskoka; Renfrew. AMNH, CNC, ROM.

Genus *Probole* Herrich-Schäffer

*P. alienaria* Herrich-Schäffer. 2: Cochrane; Kenora. 3: Thunder Bay. 4: Dufferin; Durham; Frontenac; Leeds; Nipissing; Norfolk; Peel; York. CNC, ROM.

*P. amicaria* (Herrich-Schäffer). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Essex; Frontenac; Haldimand; Haliburton; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Norfolk; Parry Sound. AMNH, CNC, ROM.

*P. nyssaria* (Guenée). 3: Thunder Bay.

Genus *Plagodis* Hübner

*P. alcoolaria* (Guenée). 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Haldimand; Kent; Lambton; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, ROM.

*P. fervidaria* (Herrich-Schäffer). 4: Peterborough; York (Toronto). ROM.

*P. kuetzingi* (Grote). 3: Thunder Bay. 4: Carleton; Frontenac; Haliburton; Hastings; Leeds; Middlesex; Peterborough; Simcoe. AMNH, CNC, ROM.

*P. phlogosaria* (Guenée). 2: Cochrane; Thunder Bay. 3: Algoma; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Halton; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Victoria; Wentworth; York. AMNH, CNC, ROM.

*P. serinaria* Herrich-Schäffer. 3: Algoma. 4: Carleton; Dufferin; Frontenac; Haldimand; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; York. AMNH, CNC, ROM.
Tribe Ourapterygini

Genus Caripeta Walker

C. augustiorata Walker. Brown pine looper/arpenette brune du pin. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Leeds; Muskoka; Nipissing; Ontario; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. AMNH, CNC, ROM.

C. divisata Walker. Gray spruce looper/arpenette grise de l’épinette. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Huron; Leeds; Muskoka; Nipissing; Ontario; Peterborough; Simcoe; Waterloo; York. AMNH, CNC, ROM.

C. piniata (Packard). 3: Algoma; Thunder Bay; Sudbury. 4: Durham; Frontenac; Haldimand; Hastings; Muskoka; Nipissing; Norfolk; Leeds; Peel; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus Besma Capps

B. endropiaria (Grote and Robinson). 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Frontenac; Grenville; Huron; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Wentworth. AMNH, ROM.

B. quercivoraria (Guénée). 2: Cochrane; Thunder Bay. 3: Thunder Bay. 4: Brant; Frontenac; Haliburton; Hastings; Leeds; Norfolk; Renfrew; Wentworth. AMNH, CNC, ROM.

Genus Lambdina Capps

L. fervidaria (Hübner). 3: Algoma. 4: Carleton; Parry Sound. CNC. Subspecies L. f. athasaria (Walker).

L. fiscellaria (Guénée). 2: Cochrane; Thunder Bay. 3: Algoma. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Glengarry; Halton; Hastings; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Ontario; Peel; Peterborough; Prescott; Simcoe; Timiskaming; York. AMNH, CNC, ROM.

Tribe Cingiliini

Genus Cingilia Walker

C. catenaria (Drury). Chain-spotted geometer/arpenette catenaire. 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton;
Genus *Nepytia* Hulst

*N. canosaria* (Walker). False hemlock looper/fausse arpenteuse de la pruche. 2: Cochrane. 3: Algoma; Sudbury. 4: Bruce; Carleton; Durham; Frontenac; Grey; Haliburton; Hastings; Leeds; Middlesex; Nipissing; Norfolk; Oxford; Parry Sound; Peel; Peterborough; Wentworth; York. AMNH, CNC, ROM.

*N. pellucidaria* (Packard). 4: Peterborough (Mt. Irwin, Crystal Lake); Renfrew (LaPasse. Ompah); York (Toronto). CNC, ROM.

Genus *Sicya* (Guenée)

*S. macularia* (Harris). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Peterborough; Renfrew; Simcoe; Welland; York. AMNH, CNC, ROM.

Genus *Eusarca* Hübn. [= *Apicia* Guenee]

*E. confusaria* Hübn. 3: Rainy River. 4: Carleton; Dufferin; Durham; Frontenac; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Peterborough; Simcoe; Wentworth; York. AMNH, CNC, ROM.

Genus *Tetrads* Guenee

*T. cachexiata* Guenee. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lanark; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe; Welland; Wellington; Wentworth; York. AMNH, CNC, ROM.

*T. crocallata* Guenee. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Peel; Victoria; York. AMNH, CNC, ROM.

Genus *Eugonobapta* Warren

*E. nivosaria* (Guenée). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Welland; Wentworth; York. AMNH, CNC, ROM.
Genus *Eutrapela* Hübner [= *Abbottana* Hulst]

*E. clemataria* (J. E. Smith). 3: Sudbury. 4: Carleton; Durham; Frontenac; Halimand; Haliburton; Halton; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Ontario; Wentworth; York. AMNH, CNC, ROM.

Genus *Prochoerodes* Grote

*P. transversata* (Drury). Large maple spanworm/arpenteuse transverse de l’érable. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Kenora; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haliburton; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Simcoe; Timiskaming; Victoria; Waterloo; Welland; Wentworth; York. AMNH, CNC, ROM.

Genus *Antepione* Packard

*A. thisoaria* (Guenée). 3: Rainy River; Sudbury. 4: Frontenac (Perth Road). CNC, ROM.

Genus *Nematocampa* Guenée

*N. limbata* (Haworth) [= *filamentaria* Guenée]. Horned spanworm/nématocampe. 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Hastings; Leeds; Middlesex; Norfolk; Peel; Wellington; Wentworth; York. AMNH, CNC, ROM.

Family Epiplemidae

Genus *Callizzia* Packard

*C. amorata* Packard. 2: Cochrane. 3: Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Peterborough; Simcoe. 2 May–1 August. AMNH, Beth, CNC, ROM. Uncommon and very local.

Genus *Calledapteryx* Grote

*C. dryopterata* Grote. 4: Carleton (Ottawa); Huron (Grand Bend); Wentworth (Hamilton). CNC, UG. Collected only in a few isolated localities.
Superfamily Mимallonoidea
Family Mимallonidae [= Perophoridae = Lacosomidae]

Genus Lacosoma Grote

The generic name is of neuter gender.

*L. chiridotum* Grote. 4: Kent (Rondeau Provincial Park); Norfolk (St. Williams). 28 June–10 July. CNC, ROM. Known only from the two localities.

Genus Cicinnus Blanchard

*C. melsheimeri* (Harris). 4: Haldimand; Kent; Middlesex; Norfolk; Welland; Wentworth. 6 June–2 July. CNC, ROM, UG. Known only from the north shore of Lake Erie and a few localities more inland.

Superfamily Bombycoidea
Family Apatelodidae
Subfamily Apatelodinae

Genus Apatelodes Packard

*A. torrefacta* (J. E. Smith). 4: Essex (Harrow); Haldimand (Dunnville); Huron (Grand Bend); Kent (Rondeau Provincial Park, 25 July); Lincoln (Queenston); Middlesex (London); Norfolk (Normandale); Welland (Port Colborne, 7 May). CNC, ROM, UWO. Known only from the southernmost part of the region.

Genus Olceclostera Butler

*O. angelica* (Grote). 4: Frontenac (Glenburnie. Perth Road); Haldimand (Dunnville); Hastings (Belleville. Trenton); Huron (Grand Bend); Kent (Rondeau Provincial Park); Leeds (Chaffey’s Locks, 8 June–16 July); Lincoln (Queenston); Norfolk (Normandale); Simcoe. Peak in early July. CNC, QU, ROM. Reared easily on ash. Known from the area immediately north of Lake Erie and Lake Ontario.
Family Lasiocampidae
Subfamily Macromphaliinae

Genus *Tolype* Hübner

*T. laricis* (Fitch). Larch lappet moth/lasiocampe du mélèze. 2: Cochrane. 3: Algoma; Sudbury; Thunder Bay. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Haldimand; Haliburton; Hastings; Huron; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Stormont; Welland; Wellington; Wentworth; York. 20 July–17 September. Peak in August. AMNH, CNC, LEM, QU, ROM, UG, UWO. Reared on white pine in Chaffey's Locks. The larvae did not feed on fir but did well on spruce and larch. One larva was collected near Chaffey's Locks on hemlock.

*T. notialis* Franclemont. 4: Kent (Rondeau Provincial Park, 17 August 1959). ROM. Known only from the southwesternmost part of the region. Two male specimens were found in the Park Museum at Rondeau Provincial Park in 1965. One of these specimens is now in the ROM and was dissected; the genitalia correspond to Franclemont's (1973) drawing.

*T. velleda* (Stoll). Velleda lappet moth/lasiocampe à épaulettes. 4: Brant; Carleton; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Parry Sound; Peel; Peterborough; Welland; Wellington; Wentworth; York. 26 August–22 October. AMNH, Beth, CNC, LEM, McM, ROM, UWO. Larvae reared without difficulty on crabapple in Chaffey's Locks.

Subfamily Gastropachinae

Genus *Heteropacha* Harvey

*H. rileyana* Harvey. 4: Kent (Chatham, 25 May 1931). CNC. Known only from a single specimen caught in a light trap at the Entomology Laboratory in Chatham.

Genus *Phyllodesma* Hübner

The generic name is of neuter gender.

*P. americanum* (Harris). Lappet moth/papillon à épaulettes. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peterborough; Simcoe; Victoria;
Welland; Wellington; York. 19 April–17 August. AMNH, CNC, LEM, QU, ROM, UG, UWO. Specimens from late July and later in southern Ontario belong to a partial second generation and are redder in colour than the spring specimens. In more northern regions (i.e., Algoma, Cochrane, Rainy River, Sudbury, Thunder Bay) there is only one generation.

Larvae in the south prefer birch, oak, ash, apple, etc.; larvae in the north prefer aspen, poplar, and willow. Larvae from eggs produced by northern females refused foodplants other than those in the poplar complex. Larvae from southern females, however, may take *Populus* sp., but do not grow as fast as when on their usual foodplants.

**Subfamily Lasiocampinae**

**Tribe Malacosomatini**

**Genus Malacosoma** Hübner

The generic name is of neuter gender.

*M. americanum* (Fabricius). Eastern tent caterpillar/livrée d’Amérique. 3: Algoma; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex*; Frontenac; Grenville; Haldimand; Haliburton; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Perth; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 7 June–23 August. AMNH, Beth, CNC, McM, ROM, UG, UWO.

*M. californicum* (Packard). Western tent caterpillar/livrée de l’Ouest. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Muskoka; Nipissing. 8 July–3 August. CNC, LEM, ROM. Known from the region west of Lake Superior and east throughout the boreal forest, is now also in the northern part of the region east of Lake Superior and extending its range.

*M. disstria* Hübner. Forest tent caterpillar/livrée des forêts. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Frontenac; Grenville; Haldimand; Haliburton; Kent; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Simcoe; Wellington; York. 16 June–28 August. AMNH, Beth, CNC, McM, QU, ROM, UWO.
Family Saturniidae

Subfamily Citheroniinae

Genus *Eacles* Hübner

*E. imperialis* (Drury). Imperial moth/papillon impérial. This species is represented in Ontario by two populations considered by Ferguson (1971) to be two subspecies: *E. i. imperialis* proper and *E. i. pini* Michener. As there is a possibility that these two populations might prove to be two different species, we refer to them here under the subspecific names, especially as the pertinent locality records are readily available. In Ontario we have also a sizeable area in the Parry Sound District where a marked melanism regularly occurs in the population. Ferguson (1971, plate 1, no. 18; plate 2, no. 1) illustrated both melanic forms. He erred, however, when he said that there exist only three melanic specimens; there is an entire series of both forms in the ROM collection and new examples are found every year.

"*E. imperialis imperialis.*" 4: Elgin; Essex; Haldimand; Lincoln; Middlesex; Norfolk; Peel; Waterloo; Wellington; Wentworth; York. One specimen cannot be easily assigned to either population—4: Durham (Port Hope).

"*E. imperialis pini.*" 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Dufferin; Durham; Frontenac; Haliburton; Hastings; Leeds; Lennox and Addington; Muskoka; Northumberland; Ontario; Parry Sound; Peterborough; Renfrew; Simcoe; Victoria; York. 7 June–23 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. The exclusive larval foodplant is pine; larvae refused to feed on other trees offered them (W. Plath, Sr., personal comment) in Haldimand (Dunnville). For the foodplant problem see Ferguson (1971:26).

Genus *Sphingicampa* Walsh

*S. bicolor* (Harris). 4: Brant (Brantford); Essex; Haldimand (Dunnville); Lincoln (St. Catharines); Peel (Bramalea); York (Woodbridge). May–July. ROM. Known only from the few localities above—see Riotte (1964)—and from Huron (Zurich. Grand Bend). See TEA Occasional Publications 1984, 15:56.

Genus *Dryocampa* Harris

*D. rubicunda* (Fabricius). Green-striped mapleworm/anisote de l'érable. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron;
Kent; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Northumberland; Perth; Renfrew; Simcomont; Welland; Wellington; Wentworth; York.
19 May–27 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur in the field, e.g., Carleton (Ottawa, 5 September 1918, single specimen). Reared larvae regularly yield a partial second generation.

Specimens taken north of Muskoka usually show no yellow-cream colour and only a little pink on the wings; often they are pure white. Specimens from the north shores of Lakes Erie and Ontario may show intensive colouring, appearing along with more or less lightly coloured ones from the same area. In rearing experiments at Chaffey's Locks, we found that the offspring show the same colour pattern as the mother. The exclusive foodplant is maple. Oak leaves were offered to larvae in the laboratory, but they only nibbled on the leaves and refused them completely after a few days.

Genus *Anisota* Hübner


*A. finlaysoni* Riotte. 4: Durham; Frontenac; Haldimand; Halton; Hastings; Lennox and Addington; Norfolk; Prince Edward; Victoria; Welland; Wentworth. Hastings (Shannonville, type locality). AMNH, CM, CNC, QU, ROM, UWO.

*A. senatoria* (J. E. Smith). Orange-striped oakworm/anisote sénatoriale. 4: Brant; Essex; Lambton; Middlesex; Oxford; Waterloo; Wellington; Wentworth. 16 May–2 July. CNC, ROM, UWO.

*A. stigma* (Fabricius). 4: Brant; Lincoln; Middlesex; Norfolk; Welland; Wentworth. 27 June–5 July. Beth, CNC, ROM, UG. Known only from a few localities on the north shore of Lake Erie. A FIDS record, “near North Bay in northern Ontario,” was based on misidentified larvae, which are regarded as belonging to the next species. The identification of the original report of the Forest Insect Survey, Canada, was changed to “*Anisota sp.*” (P. D. Syme, Canadian Forestry Service, Insect Pathology Research Institute, Sault Ste. Marie, in litt.). See also Riotte and Peigler (1981:171).

*A. virginiensis* (Drury). Pink-striped oakworm/anisote rose du chêne. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Elgin; Essex; Frontenac; Huron; Kent; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Renfrew; York. 5 May–2 August; peak mid May–mid July. Beth, CNC, McM, QU, ROM, UWO.
Subfamily Hemileucinae  
Tribe Hemileucini

Genus Hemileuca Walker


Genus Automeris Hübner

*A. io* (Fabricius). Io moth/automeris io. 3: Algoma; Rainy River; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Haliburton; Halton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 22 May–18 August; peak June–mid July. AMNH, Beth, CNC, McM, ROM, Ug, UWO. A partial second generation occurs as late as September and October in the field (e.g., Rondeau Provincial Park, Toronto, and Ottawa), and from reared larvae. The most frequented foodplants are basswood and birch, although other trees and shrubs are recorded.

Subfamily Saturniinae  
Tribe Saturniini

Genus Antheraea Hübner

*A. polyphemus* (Cramer). Polyphemus moth/polyphème. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 13 May–8 August; peak June–mid July. AMNH, Beth, CNC, McM, ROM, Ug, UWO. Known throughout the regions extending to 53° north latitude. A partial second generation occurs in the field from early September, e.g., Leeds (Chaffeys Locks), and from reared larvae. The preferred foodplant is birch, especially in more northern latitudes. There are records of larvae feeding on other trees such as maple and basswood.
Genus *Actias* Leach

*A. luna* (Linne). Luna moth/papillon lune. 2: Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound*; Peel; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 12 May–31 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Known throughout the regions extending to 53° north latitude. Reared larvae regularly yield a partial second generation, but there is no record of a partial second generation in the field. The main foodplant is birch, and basswood is occasionally utilized.

Tribe Attacini

Genus *Samia* Hübner

*S. cynthia* (Drury). 4: Middlesex (London, June 1903, one male); York (Toronto, 16 June 1936, R. B. Johnston, one female emerged from a pupa collected from among several on an ash tree at 112 Old Foresthill Road; 26 June 1958, G. B. Wiggins, newly emerged female collected at a midtown service station). ROM.

Genus *Callosamia* Packard

*C. angulifera* (Walker). 4: Kent (Rondeau Provincial Park, 23 June–24 July); Norfolk (Turkey Point, 9 August 1969). ROM. Known from only a few localities on the north shore of Lake Erie where the foodplant still occurs. First reported in 1965 in Rondeau Provincial Park where *Liriodendron* is a common tree.

*C. promethea* (Drury). Promethea moth/Prométhée. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton*; Hastings; Huron; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Peel; Peterborough*; Renfrew; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. 2 May–10 July. Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur; e.g., Grey (Meaford, 1 August) and Norfolk (Normandale, 11 September). The foodplant is wild cherry (Chaffeys Locks). Larvae may also feed on other trees and shrubs, e.g., at Rondeau Provincial Park. The species does not always have high population densities and it may not be recorded from a certain locality for years until, during one summer, numerous specimens are observed.
In Chaffeys Locks one pair was found in copula on a wild cherry shrub, 16 June 1972, 1600 hrs. Two females were taken at superactinic lights at night, 18–19 June 1972, and one female at incandescent light at night, 21 June 1972, 0430 hrs. The offspring of these females emerged in the laboratory at Chaffeys Locks beginning 2 June 1973, and the newly emerged females attracted numerous wild males through the open window to their cage. The fertilized females were released. No females were caught during the summer of 1973 at lights.

**Genus *Hyalophora* Duncan**

*H. cecropia* (Linné). Cecropia moth/samia cécropia. 2: Cochrane; Kenora. 3: Rainy River; Sudbury; Timiskaming. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Northumberland; Parry Sound*; Peel; Renfrew; Simcoe; Wellington; Wentworth; York. 19 May–18 August; peak mid June–mid July. AMNH, Beth, CNC, McM, QU, ROM, UG. Successfully reared in Toronto on lilac, and in Chaffeys Locks on birch and cherry. Larvae collected in Toronto on lilac.

*H. columbia* (S. I. Smith). 2: Kenora (Vermilion Bay, 22 June 1958, UG). 3: Kenora; Rainy River (Quetico Provincial Park, 1976, Q. Hess. Atikokan. Caliper Lake Provincial Park). 4: Carleton; Frontenac; Grey; Haliburton; Hastings; Middlesex; Muskoka (Fraserburg, 8 June 1968, L. Kohalmi); Nipissing; Parry Sound; Renfrew; Victoria. CM, CNC, ROM, UG. Most specimens represented in CNC emerged from pupae collected by T. N. Freeman in the vicinity of Ottawa. Kohalmi and Moens (1975) published an extensive paper concerning *Hyalophora*, and specimens of this research collection are now deposited in the ROM. The population of *H. columbia* in southern Ontario near London may be extinct. At other places the species seems to have made a comeback after the disaster of the larch sawfly infestations around midcentury.

*H. columbia* is known to feed only on larch in the east, while the northwestern population feeds on willow, the foodplant of *H. nokomis* (Brodie). A male specimen in the ROM collected at light in Caliper Lake Provincial Park, 11 June 1971, shows exterior characteristics of *H. nokomis*. As Kohalmi and Moens showed that *nokomis* and *columbia* intergrade in northwestern Ontario, specimens from Kenora (Rushing River Provincial Park) should not simply be ascribed to *H. nokomis* (as done in TEA Occasional Publications 1979, 10:70) but should be kept as *H. columbia* (see Kohalmi and Moens, 1975).
Superfamily Sphingoidea  
Family Sphingidae  
Subfamily Sphinginae  
Tribe Sphingini

Genus *Agrius* Hübner

*A. cingulatus* (Fabricius). 4: Carleton; Essex; Middlesex; Wentworth; York. Mid–end September. Beth, CNC, ROM, UG. A straggler from the south.

Genus *Manduca* Hübner

*M. quinquemaculata* (Haworth). Tomato hornworm/sphinx de la tomate. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Halldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Renfrew; Simcoe; Stormont; Waterloo; Welland; Wellington; Wentworth; York. 13 June–8 October. Beth, CNC, McM, ROM, UG, UWO. M. *sexta* (Linné). Tobacco hornworm/sphinx du tabac. 3: Timiskaming. 4: Essex; Kent; Middlesex. CNC, UG. A straggler from the south. Known to breed in Ontario only in the Chatham area since about 1933 (see Miller, 1956).

Genus *Dolba* Walker

*D. hyloeus* (Drury). 4: Carleton; Frontenac; Grenville; Lennox and Addington; Lincoln; Muskoka; Renfrew. 10–15 July. Beth, CNC, McM, ROM. Known from only a few specimens from very few localities.

Genus *Ceratomia* Harris

*C. amyntor* (Geyer). 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Halldimand; Hastings; Kent; Lambton; Lanark; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 30 May–29 July. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation may occur, e.g., Leeds (Chaffey's Locks, late August 1967).

*C. catalpa* (Boisduval). 4: Essex (Windsor). First known from a FIDS report from Windsor. The original report records as follows: “IX-1-1944, Windsor, 139 Elm Avenue, 500 larvae of *Ceratomia catalpa* on one tree, on Catalpa 12' to 15' size, W. R. Lapp, Plant Inspection Officer, 507 Canada Bldg., Windsor. Defoliation not severe as yet. Two trees
examined.” However, only a few larvae were taken and none completed development. Recently collected as adult: Essex (Ruthven, 11 July 1981, P. D. Praff, CNC). Also, the Point Pelee Museum has one specimen collected at Point Pelee and another from Essex (Southeast Shoal, 7 September 1985, A. Wormington).

**C. undulosa (Walker).** Waved sphinx/sphinx ondulé. 2: Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Haliburton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Renfrew; Simcoe; Stormont; Victoria; Welland; Wellington; Wentworth; York. 27 May–7 August. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation may occur: e.g., Haliburton (Minden, 30 August); (Ottawa, 28 August); (Rondeau Provincial Park, 28 August); (Toronto, 5 September). The form *engeli* Chermock and Chermock is known from Haldimand (Dunnville), Welland (Port Colborne), and Rondeau Provincial Park. AMNH, CNC, ROM.

**Genus Peratrea Grote**

*P. plebeja (Fabricius).* 4s: Wentworth (Caledonia, 25 June 1971, J. T. Troubridge). CNC.

**Genus Sphinx Linné**

*S. canadensis Boisduval.* 3: Rainy River; Thunder Bay. 4: Brant; Carleton; Frontenac; Haliburton; Leeds; Lennox and Addington; Muskoka; Nipissing; Peterborough; Renfrew; Waterloo; Wentworth. 12 June–12 August. AMNH, CNC, ROM, UG. Common in the Rainy River District, otherwise local and never in large numbers. The larvae are said to feed on ash, not on blueberry (see Clayton, 1938), but refused both in our lab in 1970 and died.

*S. chersis (Hübner).* Great ash sphinx/sphinx du frêne. 3: Algoma; Rainy River. 4: Brant; Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Haliburton; Hastings; Kent; Lanark; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 26 May–14 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.

*S. drupiferarum J. E. Smith.* 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Lanark; Leeds; Muskoka; Nipissing; Northumberland; Ontario; Renfrew; Simcoe; Waterloo; Welland; Wentworth; York. 12 May–31 July. AMNH, Beth, CNC, McM, ROM, UG.
**S. eremitus** (Hübner). Hermit sphinx/sphinx ermite. 4: Carleton; Durham; Essex; Halton; Hastings; Huron; Kent; Lambton; Lincoln; Leeds; Wentworth. 5 June–18 July. CNC, ROM. Known from isolated records but not a straggler.

**S. gordius** Cramer. Apple sphinx/sphinx du pommier. 4: Haldimand; Kent. June–July. Known only in the southernmost part of southern Ontario (see Riotte, 1980). The species name is a nomen proprium.

**S. kalmiae** J. E. Smith. Laurel sphinx/sphinx du laurier. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Dufferin; Durham; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Lambton; Lanark; Leeds; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Renfrew; Simcoe; Welland; York. 30 May–30 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Late August records may be of a partial second generation.

**S. luscitiosa** Clemens. 2: Cochrane; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Haliburton; Hastings; Lambton; Leeds; Lennox and Addington; Middlesex; Renfrew; Wellington; York. 3 June–7 July. AMNH, Beth, CM, CNC, LEM, ROM, UG. The only known species of the genus Sphinx extending its range into the Northwest Territories and Yukon. Uncommon. Larvae reared in our laboratory on willow and Spiraea sp.

**S. poecila** Stephens. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Lanark; Leeds; Lennox and Addington; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Renfrew; Victoria; Waterloo; York. 24 May–31 July. AMNH, Beth, CM, CNC, FM, McM, QU, ROM, UG. A partial second generation may occur: e.g., (Geraldton, 29 August 1952); (Ottawa, 28 August 1906, two specimens).

The main foodplant is *Myrica gale* Linné and *Spiraea* sp., but species may also occur on birch; in the northern forests they often have been collected by FIDS from *Larix* sp. This species is the most common sphingid in Canada, from the east coast to the eastern slopes of the Rocky Mountains in British Columbia. It also extends south into the United States and flies every year just west of Ontario on the Manitoba and Saskatchewan prairies (very probably also on remnant Wisconsin prairies), at the same time and localities as *Sphinx gordius*, without producing any intermediate hybrids.

**Genus Lapara** Walker

Pine tree sphinx/sphinx du pin. For more information about this genus, see Riotte (1972a); D’Abrera (1986:43).
 Tribe Smerinthini

Genus *Smerinthus* Latreille

*S. cerisyi* Kirby. 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Frontenac; Glengarry; Haldimand; Haliburton; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. 23 May–10 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO. Widespread and comparatively common in northern Ontario, but only a few records from southern Ontario.

*S. jamaicensis* (Drury). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grenville; Haldimand; Hastings; Huron*; Kent; Lambton; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wellington; Wentworth; York. 6 May–7 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur, e.g., Parry Sound (Lake Joseph, 21 August 1947). Most of the specimens are of the form *geminatus* Say. The nominate and *tripartitus* Grote forms are rare.

Genus *Paonias* Hübner

The generic name is of masculine gender.

*P. excaecatus* (J. E. Smith). 2: Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Welland; Wellington; Wentworth; York. 11 May–17 August. AMNH, Beth, CM, CNC, FM, McM, QU, ROM, UG, UWO.

*P. myops* (J. E. Smith). 3: Algoma; Cochrane; Rainy River; Sudbury. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand;
Haliburton*; Hastings; Huron; Kent; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound*; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 20 May–29 July. AMNH, CM, CNC, LEM, McM, QU, ROM, UG.

Genus Amorpha Hübner [= Cressonia Grote and Robinson]

The previously used generic name Cressonia Grote and Robinson, 1865, has to be changed to Amorpha Hübner, 1809 (see Fletcher and Nye, 1982).

_A. juglandis_ (J. E. Smith). Walnut sphinx/sphinx du noyer. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 26 May–17 July. AMNH, Beth, CM, CNC, McM, QU, ROM, UG. A partial second generation occurs, e.g., Leeds (Chaffey’s Locks, 18 August). Larvae feed freely on _Ostryia virginiana_ Miller and relatives (Corylus, Carpinus, Fagus) besides the other well known foodplants of the walnut/hickory family, but they refused _Betula_.

The population west of the Nipigon River into Manitoba belongs to what was described as subspecies _A. j. manitobae_ B. P. Clark. The foodplant of this population, however, is _Betula_; W. E. Sieker (personal comment) reported larvae in the field feeding on _Betula_ in northern Wisconsin. The male genitalia of _manitobae_ differ from _Ostryia_-feeding _juglandis_. As Hodges (1971) suggested, the entire group of _juglandis_ populations should be intensively studied to determine the specific status of its components. Type species for this Amorpha is _Sphinx juglandis_ J. E. Smith, designated by Hübner. See also D’Abrera (1986:94).

Genus Pachysphinx Rothschild and Jordan

_P. modesta_ (Harris). 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Essex; Durham; Frontenac; Grenville; Haliburton; Haldimand; Hastings; Huron; Kent; Lanark; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound*; Peel; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 23 May–10 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.
Subfamily Macroglossinae
Tribe Dilophonotini

Genus *Erinnyis* Hübner

*E. ello* (Linné). 4: Essex (Point Pelee, 20 September 1987, A. Wormington, in coll. A.W.); Middlesex (London, 28 September 1886); Wentworth (Hamilton); York (Toronto). ROM, UG. Casual straggler from the south.

*E. obscura* (Fabricius). 4: Essex (Point Pelee, early October 1988, A. Wormington, in coll. A.W.); Middlesex (London, 1897, UG); Welland (Ridgeway, 6 September 1887, collected on wild *Phlox* sp., UG); York (Toronto, 1917). ROM. Casual straggler from the south.

Genus *Aellopos* Hübner


*A. titan* (Cramer). 4: Kent (Rondeau Provincial Park, 12 July 1959, Rondeau Park Museum); Lincoln (Grimsby, two worn specimens with neither month nor year). ROM (from the Bethune collection).

Genus *Hemaris* Dalman

*H. diffinis* (Boisduval). Honeysuckle clear-wing sphinx/sphinx du chèvrefeuille. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Essex; Frontenac; Grenville; Haldimand; Haliburton; Hastings, Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Peel; Peterborough*; Renfrew; Victoria; Wellington; Wentworth; York. 7 May, Hastings (Marmora)–20 August, York (Rouge Hill); with two overlapping generations. AMNH, CM, CNC, McM, QU, ROM, UG, UWO.

*H. gracilis* (Grote and Robinson). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Muskoka; Norfolk. 31 May–21 June. AMNH, CNC, ROM. Known mainly from northern Ontario. Very few specimens in collections.

*H. thysbe* (Fabricius). Hummingbird clear-wing sphinx/sphinx colibri. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peterborough*; Prince Edward; Renfrew; Simcoe; Victoria; Welland; Wellington; Wentworth; York. 14 May–12 August. AMNH, CM, CNC, McM, ROM, UG, UWO.
Tribe Philampelini

Genus *Eumorpha* Hübner

*E. achemon* (Drury). Achemon sphinx/sphinx d’Achemon. 4: Carleton; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Lambton; Lennox and Addington; Middlesex; Ontario; Perth; Welland; Wentworth; York. 1 July–18 August. CNC, LEM, McM, ROM, UG.


*E. pandora* (Hübner). 4: Essex; Frontenac; Grenville; Haldimand; Hastings; Lambton; Leeds; Middlesex; Wentworth; York. 17 June–6 October. CNC, McM, QU, ROM, UG, UWO. This species is uncommon, except near Kingston. A partial second generation occurs, with peak occurrence after mid July.

Tribe Macroglossini

Genus *Sphecodina* Blanchard

*S. abbottii* (Swainson). 4: Essex; Frontenac; Haldimand; Halton; Huron; Lambton; Lanark; Leeds; Middlesex; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. 5–26 May. AMNH, CNC, LEM, ROM, UG. Local and rare.

Genus *Deidamia* Clemens

*D. inscripta* (Harris). 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Middlesex; Norfolk; Ontario; Peel; Welland; Waterloo; Wentworth; York. 1 May–17 June. CNC, McM, ROM, UG, UWO.

Genus *Amphion* Hübner

*A. floridensis* B. P. Clark [= *Sphinx nessus* Cramer, preocc. by *Sphinx nessus* (= *Theoretia nessus*) Drury]. 3: Rainy River. 4: Carleton; Essex; Frontenac; Haldimand; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Lennox and Addington; Lincoln; Middlesex; Muskoka; Norfolk; Parry Sound*; Peel; Victoria; Welland; Wentworth; York. 24 May–13 July. CM, CNC, McM, ROM, UG, UWO. A partial second generation may occur: e.g., Wentworth (Hamilton, 28 August 1950); York (Rouge Hill, 10 August 1937).
Genus *Proserpinus* Hübner

The generic name *Proserpinus* is derived from the Latin verb *proserpere*, to creep forwards, and is a masculine derivation. The specific name of the type species *proserpina*, however, is the name of a Greek goddess and therefore ends in “a.”

*P. flavofasciatus* (Walker). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Thunder Bay; Timiskaming. 7 June–5 July. AMNH, CM, CNC, Nova Scotia Museum of Science, ROM, United States National Museum of Natural History. Occurs only in the boreal forest region. Rare.

Genus *Darapsa* Walker

*D. myron* (Cramer). Virginia-creeper sphinx/sphinx de Myron. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Simcoe; Welland; Wellington; Wentworth; York. 5 May–26 July. AMNH, Beth, CM, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur, possibly overlapping. The species appears in two distinct colour forms, the normal dark olive green one, and an ochreous one without any green at all. The latter is known from Haldimand (Dunnville), London, Ottawa, Rondeau Provincial Park, and Toronto.

*D. pholus* (Cramer). 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Grey; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Ontario; Parry Sound; Renfrew; Welland; Wellington; Wentworth; York. 18 May–15 August. AMNH, Beth, CM, CNC, McM, ROM, UG.

*D. versicolor* (Harris). 4: Frontenac; Haldimand; Kent; Lanark; Leeds; Lennox and Addington; Peterborough; Welland; Wentworth; York. 19 June–26 July. CNC, ROM, UG. A partial second generation may occur, e.g., Leeds (Chaffeys Locks, late August 1967). Local and rare; more numerous only in Rondeau Provincial Park and Chaffeys Locks.

Tribe Choerocampini

Genus *Xylophanes* Hübner

Genus *Hyles* Hübner

*H. euphorbiae* (Linné). 4: Renfrew (Braeside). Imported from Central Europe and released by the Department of Agriculture for weed control. Apparently now well established.

*H. gallii* (Rottenburg). Bedstraw hawk-moth/sphinx du gaillet. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Carleton; Essex; Durham; Haliburton; Hastings; Huron; Middlesex; Muskoka; Nipissing; Northumberland; Welland; Wellington; Wentworth; York. 30 May–15 August. AMNH, Beth, CM, CNC, McM, ROM, UG. A partial second generation is known (e.g., Geraldton) and has also been experimentally demonstrated. The records from southern Ontario are not recent, and the species may now be considered to be northern.

*H. lineata* (Fabricius). White-lined sphinx/sphinx à lignes blanches. 2: Cochrane; Kenora, Patricia Portion. 3: Algoma; Rainy River; Thunder Bay; Timiskaming. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Wentworth; York. 12 June–27 September. AMNH, Beth, CNC, McM, ROM, UG. A straggler all over Ontario; it is not known whether this species breeds in the southern part of the province.

Superfamily Noctuoidea

Family Notodontidae

Systematics of Forbes (1948).
The subfamily Cerurinae is retained at the end of the family.

Subfamily Pygaerinae

Genus *Clostera* Samouelle

*C. albosigma* Fitch. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Dufferin; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Lanark; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Ontario; Peterborough; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 20 May–24 August. AMNH, Beth, CNC, McM, QU, ROM, UG. An overlapping, partial second generation occurs. The two broods show seasonal dimorphism, the first generation being lighter in colour, the second dark to very dark. In the north (Geraldton and northward), however, the first generation is nearly as dark as the second.
C. apicalis (Walker). 2: Algoma; Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Peel; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 6 May–18 July. AMNH, Beth, CNC, LEM, ROM, UG. A partial second generation occurs in the south (12 July–20 August).

C. brucei (Hy. Edwards). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Timiskaming. 4: Muskoka. 30 May–10 July. AMNH, CNC, ROM. Rare, restricted to the boreal, and more northern part of the mixed, forest regions except for the surprising finds in Muskoka District. Three AMNH specimens from the Buchholz collection labelled “Toronto” and “Charlton” with no year, but the same date, are suspect. All three show the same colour, which differs somewhat from that of C. brucei from Sudbury and Geraldton. C. brucei is otherwise known only from northern Ontario. See the remark under Parasemia plantaginis.

C. inclusa (Hübner). 4: Brant; Essex; Huron; Kent; Lambton; Norfolk; Welland. 22 May–11 June. CNC, ROM, UG.

C. strigosa (Grote). 2: Thunder Bay. 3: Algoma; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Huron; Leeds; Nipissing; Simcoe. 20 May–10 July. CNC, QU, ROM. A partial second generation occurs in the south: Haldimand (Dunnville, 3 August); Huron (Grand Bend, 9 August).

Subfamily Phalerinae

Genus Datana Walker

D. angusii Grote and Robinson. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Lincoln; Middlesex; Norfolk; Peterborough; Welland; York. 3 May–27 July. CNC, ROM. A partial second generation occurs: Leeds (Chaffey’s Locks, 15 August); Middlesex (Coldstream, 24 August). The remark in Prentice (1962), “distribution limited to the north shore of Lake Erie in southern Ontario,” is no longer valid.

D. contracta Walker. 4: Frontenac; Haldimand; Hastings; Huron; Kent; Leeds; Middlesex; Muskoka; Wellington; York. 22 June–21 July. AMNH, CNC, ROM, UG. D. contracta cannot be easily separated from D. integerrima without dissection. It is therefore possible that the records of D. integerrima include some of D. contracta, especially on the north shore of Lake Erie.

D. drexelii Hy. Edwards. 4: Bruce; Norfolk; Welland; Wentworth; York. 28 May–31 July. CNC, McM, ROM, UG.

D. integerrima Grote and Robinson. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Norfolk; Ontario; Peterborough; Simcoe; Welland;
Wentworth. 21 May–26 July. AMNH, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur in August.

**D. major Grote and Robinson.** 4: Norfolk (St. Williams, 1973, Walter Plath, Jr., only larvae found).

**D. ministra (Drury).** 2: Kenora. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Welland; Wentworth; York. 7 May–9 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation occurs in the south at the end of July and in early August. The species is comparatively common in Ontario.

**D. perspicua Grote and Robinson.** 4: Brant; Bruce; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Muskoka; Simcoe; Wentworth. 11 July–12 August. AMNH, CNC, McM, ROM, UG. Larvae reared on Rhus species.

Subfamily Notodontinae

 Tribe Notodontini

**Genus Nadata Walker**

*N. gibbosa (J. E. Smith).* Green oak caterpillar/chenille verte du chêne. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. 3 June–30 July. AMNH, CNC, McM, QU, ROM, UG. A partial second generation occurs in August (experimentally proven in Geraldton and Chaffeys Locks). A full second generation was observed in Rondeau Provincial Park.

**Genus Hyperaeschra Butler**

*H. georgica (Herrich-Schäffer).* 3: Rainy River. 4: Durham; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Muskoka; Nipissing; Simcoe; Welland; York. 26 May–22 July. CNC, McM, ROM, UG.

**Genus Peridea Stephens**

*P. angulosa (J. E. Smith).* 3: Rainy River; Sudbury. 4: Brant; Carleton; Durham; Frontenac; Haldimand; Hastings; Huron; Kent; Lambton; Leeds; Muskoka; Norfolk; Peel; Peterborough; Simcoe; Waterloo; York. AMNH, CNC, McM, QU, ROM, UG. The earliest known date
of appearance is 7 June (Toronto). The first generation appears to intermix with a partial second generation: Leeds (Chaffeys Locks, 18 August).

**P. basitriens (Walker).** 3: Algoma. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Simcoe; Waterloo; Wentworth; York. 4 June–5 August. CNC, McM, ROM. The larvae, reared from eggs, were positively associated with this species for the first time in summer 1966 (Riotte, 1969).

**P. ferruginea (Packard).** 2: Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peterborough; Simcoe; Welland; Wentworth; York. AMNH, CNC, McM, ROM, UG. The earliest known date of appearance is 16 May (Toronto, 1896), and the next earliest date recorded is 3 June (Ottawa). The latest date is the same as in **P. angulosa**: Leeds (Chaffeys Locks, 16 August); Thunder Bay (Neebing Twp., 20 August).

**Genus Pheosia Hübner**

**P. rimosa Packard.** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Halimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Parry Sound; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 8 May–28 July. AMNH, Beth, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 16 September (Ottawa).

**Genus Odontosia Hübner**

**O. elegans (Strecker).** 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Halimand; Hastings; Huron; Kent; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Victoria; Wentworth. 4 June–27 July. AMNH, CNC, McM, ROM. A partial second generation occurs: Leeds (Chaffeys Locks, 13 August).

**Genus Notodonta Ochsenheimer**

**N. scitipennis Walker** [= *stragula* Grote]. 2: Cochrane; Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Halimand; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Simcoe;
Wellington; Wentworth; York. 3 May–29 July. AMNH, Beth, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 17 August (Ottawa).

*N. simplaria* Graef. 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Huron; Leeds; Muskoka; Simcoe; York. 28 May–31 July. AMNH, CNC, ROM. A rare partial second generation occurs: Durham (Kendal, 4 September).

**Genus Nerice Walker**

*N. bidentata* Walker. 3: Timiskaming. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Welland; Wentworth; York. 2 May–4 September. A partial overlapping second generation occurs.

**Genus Ellida Grote**

*E. caniplaga* (Walker). 3: Rainy River. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Peterborough; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 18 May–27 July. AMNH, CNC, ROM, UG. A partial second generation occurs: Leeds (Chaffeys Locks, 16 August).

**Tribe Gluphisiiini**

**Genus Gluphisia Boisduval**

*G. avimacula* Hudson. 2: Cochrane. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haliburton; Leeds; Muskoka; Nipissing; Renfrew; Simcoe. 13 May–20 June. AMNH, CNC, McM, ROM. The form *slossoniae* Packard may occasionally be found (CNC).

*G. lintneri* (Grote). 2: Cochrane. 3: Algoma; Thunder Bay. 4: Carleton; Frontenac; Halton; Hastings; Muskoka; Simcoe. 20 April–12 May. CNC, ROM.

*G. septentrionis* Walker. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 29 May–31 July. AMNH, Beth, CNC, LEM, McM, ROM, UG, UWO. A partial second generation occurs in late July and August in southern Ontario, and in mid August in northern Ontario.
Tribe Nystaleini

Genus Symmerista Hübner

*S. albifrons* (J. E. Smith). Red-humped oakworm/chenille à bosse rouge de chêne. 4: Hastings; Leeds; Middlesex; York. 7 June–30 July. CNC, ROM, UG, UWO.

*S. canicosta* Franclemont. 3: Algoma; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Leeds; Muskoka; Nipissing; Norfolk; Renfrew; Russell; Simcoe; Welland. 4 June–14 July. CNC, ROM, UWO. Forbes (1948:223) interchanged the numbers of the aedoeagi of *leucitys* and *canicosta*.

*S. leucitys* Franclemont. Orange-humped mapleworm/chenille à bosse orangée. 3: Algoma. 4: Carleton; Durham; Frontenac; Haliburton; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Perth; Peterborough; Simcoe; Waterloo; Welland; York. 6 June–6 July. CNC, McM, QU, ROM. A partial second generation occurs (Rondeau Provincial Park, 24 August).

Genus Dasylophia Packard

*D. anguina* (J. E. Smith). 3: Rainy River; Thunder Bay. 25 June–27 July. CNC, ROM. This species only enters into westernmost Ontario.

*D. thyatiroides* (Walker). 4: Carleton; Durham; Frontenac; Haldimand; Huron; Kent; Leeds; Middlesex; Muskoka; Nipissing; Welland; Wentworth; York. 6 June–9 August. CNC, McM, ROM, UG. Pale specimens have been collected from Algonquin Provincial Park, Middlesex (Coldstream), London, Ottawa, Niagara (Ridgeway), and Toronto; dark (melanic) specimens have been collected in Chaffey's Locks, Haldimand (Dunnville), Huron (Grand Bend), Hamilton, Welland (Port Colborne), and Rondeau Provincial Park.

Tribe Heterocampini

Genus Misogada Harvey


Genus Macrurocampa Dyar

*M. marthesia* (Cramer). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Simcoe; Welland; Wentworth; York. 24 May–31
July. AMNH, CNC, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 16 August (Chaffeys Locks). McDunnough (1938) called the Rainy River District population subspecies *M. m. manitobensis*. In fresh specimens the conspicuous splashes are orange-brown, and not green as reported by Forbes (1948:235).

**Genus Heterocampa Doubleday**

*H. biundata* Walker. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Lambton; Leeds; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; Welland; York. 9 May–7 August. AMNH, CNC, ROM. Uncommon.

*H. guttivitta* (Walker). Saddled prominent/ésper de l’érable. 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Peel; Peterborough; Simcoe; Welland; Waterloo; Wentworth; York. 6 May–11 July. AMNH, Beth, CNC, LEM, McM, ROM, UG, UWO. The melanic form *hugoi* Chermock and Chermock has been collected in Haldimand (Dunnville), Norfolk (Normandale), Durham (Orono), Ottawa, Rondeau Provincial Park, and Lincoln (Vineland).

*H. obliqua* Packard. 3: Sudbury. 4: Durham; Frontenac; Hastings; Huron; Lambton; Leeds; Muskoka; Peel; Peterborough. 23 June–27 July. CNC, ROM.

*H. subrotata* Harvey. 4: Essex (Pelee Island South, 8 July 1965). ROM. Known only from Pelee Island.

*H. umbrata* Walker. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Durham; Frontenac; Hastings; Huron; Lambton; Leeds; Lennox and Addington; Muskoka; Nipissing; Parry Sound; Peterborough; Simcoe; Wentworth; York. 4 June–26 July. AMNH, Beth, CNC, QU, ROM, UG. The Ontario population is often referred to the subspecies *H. u. pulverea* Grote and Robinson, but it is doubtful that this subspecies has any validity.

**Genus Lochmaeus Doubleday**

*L. bilineatus* (Packard). Elm prominent/ésper de birayée. 4: Brant; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Leeds; Middlesex; Muskoka; Norfolk; Ontario; Peel; Simcoe; Welland; Wellington; York. 6 June–7 August. AMNH, CNC, ROM, UG, UWO. Uncommon. In laboratory cultures, approximately 90% of larvae went into diapause at the end of their development without forming a pupa. Only 10% pupated and released a partial second generation at the end of July. The remainder pupated the following spring.
L. manteo Doubleday. Variable oak leaf caterpillar/hétérocampe du chêne. 3: Algoma; Rainy River. 4: Carleton; Durham; Frontenac; Leeds; Middlesex; Muskoka; Simcoe; Wentworth; York. 2–31 July. AMNH, CNC, ROM, UG. Uncommon.

Genus Schizura Doubleday

S. apicalis (Grote and Robinson). 3: Rainy River; Sudbury. 4: Frontenac; Leeds; Muskoka; Peterborough. 3–29 July. AMNH, CNC, ROM. Rare.

S. badia (Packard). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Haldimand; Lambton; Leeds; Middlesex; Muskoka. 26 June–27 July. CNC, ROM, UG. Rare

S. concinna (J. E. Smith). Red-humped caterpillar/chenille à bosse rouge. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Grey; Kent; Leeds; Middlesex; Peterborough; Prince Edward; Simcoe; York. 27 June–6 August. AMNH, CNC, LEM, ROM, UG, UWO. Uncommon.

S. ipomoeae Doubleday. Oak and maple humped caterpillar/chenille bosse du chêne et de l’érable. 2: Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Kent; Lambton; Leeds; Lennox and Addington; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Welland; Wentworth; York. 8 June–9 August. A partial second generation may occur in early September, in Sault Ste. Marie and Welland (Port Colborne). The form cinereofrons (Packard) occurs together with the typical form, but is uncommon.

S. leptinoides (Grote). 2: Thunder Bay. 3: Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Grey; Haldimand; Halton; Kent; Leeds; Lennox and Addington; Middlesex; Muskoka; Nipissing; Peterborough; Wentworth; York. 3 June–27 July. AMNH, CNC, LEM, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is in September (Toronto).

S. unicorns (J. E. Smith). Unicorn caterpillar/chenille licorne. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wellington; Wentworth; York. 25 May–20 August. A partial overlapping second generation occurs in southern Ontario with many specimens collected in August.

Genus Oligocentria Herrich-Schäffer

O. lignicolor (Walker). 3: Algoma; Kenora; Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peterborough; Simcoe; York. 4 June–14
July. AMNH, Beth, CNC, LEM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 18 August in Algoma (Echo Lake).

*O. semirufescens* (Walker). 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Wentworth; York. 14 June–6 August. AMNH, CNC, McM, ROM, UG, UWO. A partial overlapping second generation occurs. The latest known date of occurrence is 4 September in Thunder Bay (Neebing Twp.). This species has a tendency to produce melanic specimens in the deciduous forest region, light-coloured specimens with strong, dull red shading in the northern part of the eastern mixed forest region, and a more uniformly gray form in the mixed forest region west of Lake Superior.

**Genus Hyparpax Hübner**

*H. aurora* (J. E. Smith). 4: Huron (Grand Bend, 17 June 1936); Kent (Rondeau Provincial Park, 11 July 1965). CNC, ROM. Only two specimens are known from Ontario.

**Subfamily Cerurinae**

**Genus Furcula Lamarck**

*F. borealis* (Guérin-Méneville). 3: Thunder Bay (Pukaskwa National Park). 4: Durham; Frontenac; Haldimand; Kent; Leeds; Middlesex; Muskoka; Northumberland; Peterborough; Renfrew; York. 15 June–3 August. Beth, CNC, ROM, UG. Rare in Ontario with few specimens in collections.

*F. cinerea* (Walker). 3: Rainy River; Sudbury. 4: Carleton; Durham; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Peterborough; Simcoe; Victoria; Welland; Wentworth; York. 27 May–29 July. AMNH, Beth, CNC, LEM, McM, ROM. A partial overlapping second generation occurs. The latest known date of occurrence is 13 August in Haldimand (Dunnville).

*F. modesta* (Hudson). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Frontenac; Haldimand; Hastings; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Victoria; Wentworth; York. 21 May–31 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 5 September (Toronto).
**F. occidentalis** (Lintner). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Halimand; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Nipissing; Norfolk; Simcoe; Welland; Wellington; Wentworth; York. 19 May–29 July. AMNH, Beth, CNC, LEM, McM, ROM, UG. A partial overlapping second generation occurs. The latest known date of occurrence is 22 August (Toronto).

**F. scolopendrina** (Boisduval). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Hastings; Muskoka. 2 June–27 July. AMNH, CNC, ROM. The Ontario population is often referred to subspecies *F. s. aquilonaris* (Lintner), which may be specifically distinct from *F. scolopendrina*. It is decidedly distinct and easily separable (even when greasy) from *F. modesta*, with a later flight period than *F. modesta* and apparently only one generation. It is almost exclusively northern and most numerous in the mixed forest region west of Lake Superior, e.g., in Thunder Bay (Neebing Twp.).

**Genus Cerura Schrank**

*C. scitiscripta* Walker. 2: Kenora. 3: Rainy River; Sudbury. 4: Carleton; Durham; Halton; Lambton; Leeds; Muskoka; Nipissing; Peterborough; Simcoe; Waterloo; Wellington*; Wentworth. 3–28 June. CNC, ROM. Known only from isolated localities. Subspecies *C. s. canadensis* McDunnough; *C. s. multiiscripta* Riley.

**Family Arctiidae**

**Subfamily Lithosiinae**

**Tribe Lithosiini**

**Genus Eilema Hübner** [= *Lexis* auct.]

**E. bicolor** (Grote). Smoky moth/lexis bicolore. 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Kenora; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Parry Sound; Simcoe. 3 July–23 August. AMNH, CNC, ROM, UG. The statement by McGugan (1958), “The absence of records north of Lake Superior . . . should be noted,” is no longer valid.

**Genus Crambidia Packard**

*C. casta* (Packard). 3: Algoma; Sudbury; Thunder Bay. 4: Carleton; Leeds; Muskoka; Nipissing. 15 August–4 September. CNC, ROM.
C. pallida Packard. 3: Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Huron; Lambton; Leeds; Middlesex. 15 July–3 September. AMNH, CNC, ROM, UG.

C. pura Barnes and McDunnough. 4: Frontenac. Glenburnie and Perth Road are the only known localities in Ontario. CNC, ROM. See Riotte (1970b).

Genus Cisthene Walker

C. plumbea Stretch. 4: Leeds (Chaffeys Locks, 18 July 1967; 13 July 1963); Middlesex (London, 12 August 1886). 13 July–12 August. CNC, ROM, UG. Only these three specimens have adequate data.

Genus Lycomorpha Harris

L. pholus (Drury). 2: Kenora; Thunder Bay. 3: Kenora; Rainy River; Thunder Bay. 4: Carleton; Frontenac; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Parry Sound; Peel; Peterborough; Simcoe; Victoria; Wentworth; York. 1 July–7 September. CNC, ROM, UG.

Genus Hypoprepia Hübner

H. fucosa Hübner. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Leeds; Lincoln; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Ontario; Peel; Simcoe; Stormont; Victoria; Welland; Wellington; Wentworth; York. 4 July–22 August. AMNH, Beth, CNC, QU, ROM, UG. The form plumbea Hy. Edwards has been collected only in the north.

H. miniata (Kirby). 3: Algoma; Rainy River; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Renfrew; Simcoe; Victoria; Wellington; Wentworth. 24 June–5 September. AMNH, Beth, CNC, McM, QU, ROM, UG.

Genus Clemensia Packard

C. albata Packard. 2: Cochrane; Kenora; Thunder Bay. 3: Kenora; Sudbury; Thunder Bay. 4: Frontenac; Hastings; Leeds; Muskoka; Ontario; Peterborough; Simcoe; Victoria; Wentworth. 8 July–4 August. AMNH, CNC, ROM, UG.
Subfamily Arctiinae
Tribe Callimorphini

Genus Utetheisa Hübner

*U. bella* (Linné). 4: Essex; Middlesex; Muskoka; Simcoe; York. 3 July–26 August. Beth, CNC, McM, ROM.

Genus Haploa Hübner

*H. clymene* (Brown). 4: Haldimand; Kent; Middlesex; Wentworth; York. 24 July–1 August. AMNH, CNC, ROM, UG. Rare.

*H. colona* (Hübner). 4: Kent (Rondeau Provincial Park, 19 July 1965). ROM. The specimen represents the form *fulvicosta* (Clemens).

*H. confusa* (Lyman). 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Frontenac; Grenville; Haliburton; Halton; Hastings; Huron; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Ontario; Peel; Simcoe; Victoria; Wellington; Wentworth; York. 10 June–15 August. AMNH, Beth, CNC, McM, ROM, UG, UWO.

*H. contigua* (Walker). 4: Carleton; Durham; Frontenac; Halton; Hastings; Kent; Leeds; Muskoka; Peterborough; Simcoe; Victoria; Wentworth; York. 1 July–5 August. CNC, McM, QU, ROM.

*H. lecontei* (Guérin-Méneville). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Huron; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Peel; Peterborough; Renfrew; Wellington; Wentworth; York. 9 June–17 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG.

*H. militaris* (Harris). 4s: Essex (Pelee Island); Kent (Rondeau Provincial Park). Early July. ROM. Retained as a species in its own right following Forbes (1960). Only recorded in southernmost Ontario.

*H. reversa* (Stretch). 4: Lambton. CNC, ROM. Pinery Provincial Park and Grand Bend are the only known localities.

Tribe Arctiini

Genus Holomelina Herrich-Schäffer

*H. aurantiaca* (Hübner). 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Hastings; Huron; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wentworth; York. 7 June–21 August. AMNH, Beth, CNC, McM,
ROM, UG. A partial second generation may occur: Wentworth (Ancaster, 2 September); Essex (Point Pelee, 14 September).

**H. ferruginosa (Walker).** 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Huron; Lambton; Leeds; Manitoulin; Muskoka; Nipissing; Norfolk; Ontario; Parry Sound; Peel; Victoria; Welland; Wentworth; York. 1 June–18 August. AMNH, Beth, LEM, McM, ROM, UG.

**H. laeta (Guérin-Méneville).** 2: Kenora. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Hastings; Middlesex; Muskoka; Nipissing; Parry Sound; Simcoe. 2 June–2 August. AMNH, CNC, ROM, UG. Subspecies **H. I. treatii** (Grote).

**H. lamae (T. N. Freeman).** 2: Thunder Bay (Geraldton). 3: Rainy River (One Sided Lake). 6–23 July. AMNH, ROM. Known only from bog areas around Lake Superior and Lake Nipigon, with only two specimens in collections.

**H. opella (Grote).** 4: Kent; Leeds; Peterborough. 19 May–18 July. CNC, ROM. Recorded only in southernmost Ontario from Rondeau Provincial Park, Chaffeys Locks, Frontenac (Perth Road), and Peterborough (Kawartha Park).

**Genus Parasemia Hübner**

**P. plantaginis (Linné) [= scudderí (Packard)].** 2: Cochrane; Kenora, Patricia Portion; Thunder Bay. 3: Thunder Bay; Timiskaming. 10 June–16 July. AMNH, CNC, LEM, ROM, UG. The record of two specimens in AMNH (from the Buchholz collection), labelled “Toronto VI-28” and “VII-20” without year, are questionable. This species has been recorded only from northern Ontario. Two other specimens, labelled “Charlton VI-10-1932” and “VI-18” without year, are also questionable; the labels are in the same handwriting as the Toronto specimens. See the remarks under *Clostera brucei* and *Spilosoma vestale.*

**Genus Pyrrharctia Packard [= Isia auct.]**

**P. isabella (J. E. Smith).** 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Peel; Peterborough; Renfrew; Simcoe; Victoria; Wellington; Wentworth; York. 26 May–20 September. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO.
Genus *Estigmene* Hübner

*E. acrea* (Drury). Salt-marsh caterpillar/chenille des marais salants. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Muskoka; Norfolk; Northumberland; Ontario; Peel; Simcoe; Welland; Wellington; Wentworth; York. 12 May–end summer. A partial second generation may occur in the south (London, 3 October). One female specimen in the ROM is completely yellow (Toronto, 25 May 1898).

Genus *Spilosoma* Curtis

The generic name is of neuter gender and the species names must correspond to this. See International Code of Zoological Nomenclature (1985, article 30) where -soma is specially mentioned as neuter. See also Packl (1979).

*S. congruum* Walker. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Parry Sound; Peel; Simcoe; Wellington; York. 8 May–18 July. AMNH, CNC, McM, QU, ROM, UG. A partial second generation may occur.

*S. dubium* (Walker) [= *primum* Slosson]. 3: Algoma; Sudbury; Timiskaming. 4: Carleton; Durham; Frontenac; Hastings; Haliburton; Leeds; Manitoulin; Muskoka; Parry Sound; Simcoe; York. 15 May–23 June. AMNH, CNC, McM, ROM, UWO. A partial second generation may occur: Timiskaming (Larder Lake, 30 July).

*S. latipennis* Stretch. 4: Dundas; Durham; Elgin; Haldimand; Huron; Kent; Middlesex; Norfolk; Wentworth; York. 31 May–10 July. AMNH, CNC, LEM, ROM, UG.

*S. vestale* Packard. The AMNH specimen labelled “Charlton, 7 July” (from the Buchholz collection) is highly suspect.

*S. virginicum* (Fabricius). Yellow woollybear/diacrisie de Virginie. 2: Cochrane; Kenora; Kenora, Patricia Portion; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Brant; Bruce; Carleton; Durham; Elgin; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Oxford; Peel; Peterborough; Renfrew; Simcoe; Waterloo; Welland; Wellington; Wentworth; York. 6 May–28 August. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur. Melanic specimens (form *fumosum* Strecker) from Geraldton and Longlac are in the ROM. Partially melanic specimens from Toronto and Renfrew (Petawawa) in the ROM, similar
to the picture in Holland (1915, plate XVI, fig. 7), were erroneously assigned to form *fumosum* Strecker.

**Genus Hyphantria Harris**

*H. cunea* (Drury). Fall webworm. 2: Cochrane; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton*; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Peel; Renfrew; Simcoe; Waterloo; Wellington; Wentworth; York. 28 April-12 September. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur in the north in late July and early August, Rainy River (One Sided Lake) and Sudbury; at least two full generations occur locally in the south. All Ontario material is here referred to *H. cunea* (see McGugan, 1958; Heinicke, 1962; Morris, 1963). The pure white form dominates. A few checkered specimens exist in collections but are from many years ago, with the exception of one specimen with a few black spots from Leeds (Chaffey's Locks, 23 June 1963). An unnamed webworm with a light-headed caterpillar (see Morris, 1963) occurs sympatrically with *cunea* from New Brunswick to Georgia, but is not yet recorded in Ontario.

**Genus Ecpantheria Hübner**

*E. scribonia* (Stoll). 4: Leeds; Middlesex; Norfolk; Welland; Wentworth. CNC, ROM. One CNC specimen was referred to by Bethune (1894) in his manual: “larva found near London, May 6, 1903, under a log—sent to Dr. Fletcher, pupated May 9, image June 4, at Ottawa.” The Leeds specimen was collected 25 June 1975 by J. J. Belwood, on an incandescent light run by the ROM at Chaffey’s Locks, Queen’s University Biological Station. More specimens have since been collected in Leeds. See TEA Occasional Publications 1985, 16:20.

**Genus Phragmatobia Stephens**

*P. assimilans* Walker. 2: Cochrane; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Leeds; Muskoka; Parry Sound; Renfrew; Simcoe. 18 April–19 June. AMNH, CNC, LEM, ROM. A boreal species, only rarely found in the south.

*P. fuliginosa* (Linne). 2: Cochrane; Kenora; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Northumberland; Ontario; Peel; Renfrew; Simcoe; Welland; Wellington; Wentworth; York. 21 April–31 July. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG. A partial second generation
may occur in August–September. Subspecies *P. f. rubricosa* (Harris).


**Genus Platarctia Packard**

**P. parthenos (Harris).** 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Kenora; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Muskoka; Nipissing; Norfolk*; Wellington. 10 June–19 August. AMNH, CNC, LEM, McM, ROM, UG.

**Genus Arctia Schrank**

**A. caja (Linné).** 2: Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay. 4: Bruce; Carleton; Frontenac; Hastings; Leeds; Lincoln; Muskoka; Nipissing; Northumberland; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Wellington; York. 12 June–20 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Subspecies *A. c. americana* Harris.

**Genus Apantesis Harris**

See Ferguson (1985).

**A. nais (Drury).** 4: Essex; Frontenac; Haliburton; Hastings; Kent; Leeds; Lincoln; Muskoka; Norfolk; Peel; Welland; Wentworth; York. 25 May–5 July. CNC, QU, ROM, UG. A partial second generation may occur: Lincoln (Vineland, 9 September). Specimens of *A. nais* and *A. phalerata* from over the entire range have been dissected before assigning them to either of the two species. Specimens of *A. vittata* (Fabricius), which have distinctive male genitalia, were not found among the Ontario specimens surveyed.

**A. phalerata (Harris).** 4: Brant; Bruce; Durham; Elgin; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Nipissing; Norfolk; Welland; Wellington; Wentworth; York. 31 May–autumn. CNC, ROM, QU. The only moth species in Ontario that may have three overlapping generations; a third partial generation may occur. First generation, end of May–mid July; second generation, mid July–end August in Wentworth (Ancaster, 29 August), Durham (Port Hope, 27 August, Trenton, 24 August); partial third generation, mid September–mid October (Algonquin Provincial Park, 12 September), (London, 8 October).
Genus *Grammia* Rambur

See Ferguson (1985).

*G. anna* (Grote). 4: Brant; Frontenac; Haldimand; Hastings; Kent; Leeds; Lincoln; Middlesex; Norfolk; Peel; Welland; Wentworth; York. Earliest date: 4 June. Beth, CNC, McM, ROM, UG. A partial second generation may occur.

The normal form *persephone* (Grote) was collected at Brant (Brantford), Chaffey's Locks, Frontenac (Cole Lake), Haldimand (Dunnville), Halton (Erindale), Hamilton, Welland (Port Colborne), Rondeau Provincial Park, and Toronto. It occurs together with the nomotypical form.

*G. arge* (Drury). 4: Bruce; Carleton; Durham; Frontenac; Haldimand; Hastings; Lambton; Leeds; Middlesex; Norfolk; Peel; Renfrew; Welland; Wellington; Wentworth; York. 5 May–23 September. AMNH, CNC, McM, ROM, UG. A partial second generation may occur.

*G. celia* (Saunders). 3: Sudbury. 4: Carleton; Durham; Frontenac; Huron; Leeds; Middlesex; Victoria; Wentworth; York. 2 June–7 August. Beth, CNC, McM, ROM. A partial second generation may occur. One ROM specimen has Saunders' labels and is marked *type*, from London. However, Bethune (1894) notes, “no. 110, *Arctia celia*, Toronto (Gore Vale by A.) 1862, *TYPE*, given to Dr. Fletcher October 1902.” This specimen was found in 1966 in CNC.

*G. doris* (Boisduval). 2: Cochrane; Thunder Bay. 3: Sudbury. 4: Muskoka; Simcoe. 3 June–20 July. AMNH, CNC, ROM.


*G. gibsoni* McDunnough. Single specimen recorded from Wellington (Guelph, June 1924, D. C. B. Duff), identified by E. G. Munroe (then McGill University, now CNC [ret.]). ROM. The record is questionable.

*G. oithona* (Strecker). 4: Durham; Halton; Simcoe; Wellington. 23 June–9 September. CNC, ROM. A partial second generation may occur. The record from Simcoe Co. is only a note in Bethune (1894); there is no specimen representing this record. All preserved specimens belong to the normal form *rectilinea* (French).

*G. parthenice* (W. Kirby). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Frontenac; Hastings; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Simcoe; Victoria; Wentworth; York. 8 June–4 September. AMNH, Beth, CNC, McM, ROM, UG, UWO. A partial second generation may occur. Subspecies *G. p. intermedia* (Stretch) has been collected at Geraldton and Hamilton.
**G. phyllira (Drury).** 3: Sudbury. 4: Bruce; Carleton; Durham; Frontenac; Grey; Hastings; Huron; Kent; Lambton; Middlesex; Muskoka; Norfolk; Prince Edward; Wellington; Wentworth; York. 14 June–5 October. AMNH, Beth, CNC, LEM, ROM, UG, UWO. A partial second generation may occur in the south.

**G. quenseli (Paykull).** 1: Kenora, Patricia Portion (Cape Henrietta Maria, 7 July 1948). ROM; represented by a single specimen in the collection. Subspecies **G. q. gelida** (Moschler).

**G. virgo (Linne).** 2: Cochrane; Kenora. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haliburton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Parry Sound*; Peterborough; Peel; Welland; Wellington; Wentworth; York. 9 June–5 September. A partial second generation may occur in the south.

**G. virguncula (W. Kirby).** 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Lambton; Leeds; Lincoln; Manitoulin; Muskoka; Ontario; Welland; Wellington; Wentworth; York. 3 June–15 September. AMNH, Beth, CNC, McM, ROM, UG. A partial second generation may occur in the south. The form **otiosa** (Neumoegen and Dyar) is recorded from Carleton (Mer Bleue) and Toronto.

**G. williamsii (Dodge).** William’s tiger moth/apantèse du blé. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Manitoulin; Muskoka; Nipissing; Parry Sound; Simcoe. 20 June–15 August. AMNH, CNC, LEM, McM, ROM, UG. Distinctly northern.

**Tribe Phaegopterini**

**Genus Halysidota Hübner**

**H. harrisii Walsh.** Sycamore tussock moth/halisidote du sycomore. 4: Carleton; Durham; Kent; Welland. FIDS reared the species from larvae on white oak, basswood, birch, and sycamore. The larvae are easily separated from those of **H. tessellaris**.

**H. tessellaris (J. E. Smith).** Pale tussock moth/halisidote du pommier. 3: Sudbury; Thunder Bay. 4: Bruce; Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Peel; Simcoe; Wellington; Wentworth; York. 6 June–14 August. AMNH, CNC, McM, ROM, UG, UWO. This species is mixed with **H. harrisii** in collections; the attempt has not been made to
separate the species on the basis of genitalia preparations, which would require the dissection of every available specimen.

Genus Lophocampa Harris

*L. caryae* Harris. Hickory tussock moth/halisidote du caryer. 4: Carleton; Durham; Elgin; Frontenac; Haldimand; Hastings; Leeds; Middlesex; Norfolk; Victoria; Welland; Wentworth; York. 21 May–10 July. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Bethune (1894) noted one specimen caught in Toronto alive on 13 March 1863.

*L. maculata* Harris. Spotted tussock moth/halisidote maculee. 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Carleton; Durham; Haldimand; Hastings; Kent; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Northumberland; Ontario; Peel; Waterlo; Wellington; Wentworth; York. 29 May–19 August. AMNH, Beth, CNC, McM, ROM, UG, UWO. Normally the latest date of occurrence is in mid July; the Thunder Bay (Fort William) record of 19 August might represent a partial second generation.

Genus Cycnia Hübner

*C. oregonensis* (Stretch). 3: Sudbury. 4: Carleton; Durham; Essex; Frontenac; Hastings; Kent; Lambton; Leeds; Lincoln; Parry Sound; Simcoe; Wentworth; York. 20 May–29 July. AMNH, CNC, LEM, ROM.

*C. tenera* Hübner. 2: Cochrane. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Elgin; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Muskoka; Norfolk; Peel; Simcoe; Welland; Wentworth; York. 3 June–22 July. AMNH, Beth, CNC, QU, ROM, UG. A partial second generation occurs in the south.

Genus Euchaetes Harris

*E. egle* (Drury). 4: Bruce; Carleton; Durham; Essex; Frontenac; Haldimand; Hastings; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Peel; Renfrew; Simcoe; Welland; Wentworth; York. 11 May–June. AMNH, Beth, CNC, McM, QU, ROM, UG. A partial second generation overlaps with the first generation. The latest recorded date of occurrence is 23 August, in Frontenac (Westbrook).
Subfamily Ctenuchinae

Genus Ctenucha W. Kirby

*C. virginica* (Esper). 2: Cochrane; Kenora; Thunder Bay. 3: Algoma; Cochrane; Rainy River; Sudbury; Thunder Bay; Timiskaming. 4: Brant; Bruce; Carleton; Dufferin; Durham; Elgin; Essex; Frontenac; Grey; Haldimand; Hastings; Kent; Lambton; Leeds; Manitoulin; Middlesex; Muskoka; Nipissing; Norfolk; Northumberland; Ontario; Parry Sound; Peel; Peterborough; Renfrew; Simcoe; Victoria; Waterloo; Wellington; Wentworth; York. 26 May–19 August. AMNH, Beth, CNC, LEM, McM, QU, ROM, UG, UWO. A partial second generation may occur in the south: Brant (Brantford, September 1948).

Genus Cisseps Franclemont

*C. fulvicollis* (Hübner). 2: Cochrane; Thunder Bay. 3: Cochrane; Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Essex; Frontenac; Grenville; Haldimand; Halton; Hastings; Huron; Kent; Lambton; Leeds; Lincoln; Middlesex; Muskoka; Norfolk; Ontario; Parry Sound; Peel; Peterborough; Simcoe; Welland; Wellington; Wentworth; York. 6 June–5 October. AMNH, CNC, McM, QU, ROM, UG, UWO. A partial second generation may occur.

Family Lymantriidae
Subfamily Orgyiinae
Tribe Orgyiini

Genus Dasychira Hübner

*D. basiflava* (Packard). 4: Leeds; Wentworth. CNC, ROM.

*D. dorsipennata* (Barnes and McDunnough). 4: Elgin; Leeds; Peterborough. CNC, ROM. Larvae found and reared on aspen. The freshly emerged moth has a peculiar greenish shine whereas the preceding species is brownish.

*D. obliquata* (Grote and Robinson). 2: Cochrane. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Leeds; Nipissing; Norfolk; Peterborough; Prescott. AMNH, CNC, ROM.

*D. pinicola* (Dyar). 3: Rainy River. 4: Leeds; Muskoka; Nipissing; Simcoe. CNC, ROM.

*D. plagiata* (Walker). 2: Thunder Bay. 3: Algoma; Kenora; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Leeds; Muskoka; Nipissing; Parry Sound; Peel; Victoria; Wellington. AMNH, CNC, ROM.
D. vagans (Barnes and McDunnough). 2: Cochrane; Thunder Bay. 3: Rainy River; Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Grenville; Leeds; Muskoka; Nipissing; Timiskaming; Victoria. AMNH, CNC, ROM. Only since Ferguson’s (1978) painstaking and definitive revision of the genus are we able to identify the North American species. As the basic work on this checklist was concluded in late 1975, only records from CNC (identified by Ferguson), ROM (compared to those), and AMNH (as far as “ex ROM”) have been included. There certainly were Dasychira specimens also in other consulted collections; however, no certain identification was possible at the time.

Genus Orgyia Ochsenheimer

O. antiqua (Linné). 2: Cochrane; Thunder Bay. 3: Sudbury; Thunder Bay. 4: Carleton; Durham; Frontenac; Hastings; Lanark; Muskoka; Nipissing; Northumberland; Renfrew; Wellington; York. 29 July–23 September. AMNH, Beth, CNC, ROM, UG, UWO. Slight differences in the male genitalia exist between European and Canadian specimens. Subspecies O. a. nova Fitch.

O. definita Packard. 4: Carleton; Dufferin; Elgin; Grey; Haldimand; Halton; Hastings; Kent; Lambton; Leeds; Middlesex; Norfolk; Ontario; Oxford; Parry Sound; Wentworth. 7 August–4 October. CNC, ROM, UG. Common at Queen’s University Biological Station at Chaffeys Locks, where the larvae frequent basswood. Numerous cultures were reared in the laboratory from egg masses produced by females set out in little cages near basswood and fertilized regularly by wild males in the late morning hours. Wild female larvae, recognizable by their larger size, were often observed leaving their native basswood trees for neighbouring ones for pupation. One of our first rearings was from one of these larvae. See also Riotte (1977).

O. plagiata (Walker). 3: Sudbury; Thunder Bay. 4: Algoma; Bruce; Carleton; Durham; Essex; Frontenac; Grey; Haldimand; Hastings; Huron; Kent; Leeds; Lincoln; Middlesex; Muskoka; Northumberland; Parry Sound; Peel; Renfrew; Victoria; Welland; Wellington; York. 5 July–4 October. AMNH, Beth, CNC, McM, QU, ROM, UG, UWO. Here regarded as full species (Ferguson, 1978), not as a subspecies of O. leucostigma (J. E. Smith). This species differs from O. leucostigma [= O. meridionalis Riotte] and O. wardi Riotte (from Nova Scotia) in characters of the female genitalia and early developmental stages. See Riotte (1971b, 1974, 1977, 1989); Chua, Riotte, and Gilmour (1976).
Subfamily Lymantriinae
Tribe Lymantriini

Genus *Lymantria* Hübner

*L. dispar* (Linné). 4: Essex (Point Pelee*); Frontenac (Wolfe Island); Glengarry; Northumberland; Peterborough; York. CNC, ROM. Collected for the first time in 1969, this species has spread to the mainland around Kingston.

Genus *Leucoma* Stephens


Family Noctuidae

This family is arranged according to Poole (1989). The genera in the subfamilies and the species in the genera are arranged alphabetically.

Subfamily Herminiinae

Genus *Bleptina* Guenée

*B. caradrinalis* Guenée. 3. 4.

Genus *Chytolita* Grote

*C. morbidalis* (Guenée). 4.
*C. petrealis* Grote. 3. 4.

Genus *Dyspyralis* Warren

*D. illocata* Warren. 4.
*D. nigella* (Strecker). 4.
*D. puncticosta* (Smith). 4.

Genus *Idia* Hübner

*I. aemula* Hübner. Spruce epizeuxis/noctuelle de l’épine. 2. 3. 4.
*I. americalis* (Guenée). 2. 3. 4.
*I. denticulalis* (Harvey). 4: Frontenac (Sharbot Lake).
*I. forbesi* (French). 4s: Frontenac (Perth Road); Leeds (Chaffeys Locks).
I. julia (Barnes and McDunnough). 4.
I. lubricalis (Geyer). 2. 3. 4.
I. majoralis (Smith). 4.
I. rotundalis (Walker). 4s: Frontenac (Perth Road); Leeds (Chaffey’s Locks).
I. scobialis (Grote). 4.

Genus Lascoria Walker
L. ambigualis Walker. 4.

Genus Lomanaltes Grote
L. eductalis (Walker). 2. 3. 4.

Genus Macrochilo Hübner [= Hormisa Walker]
M. absorptalis Walker. 3. 4.
M. bivittata (Grote). 4.
M. litophora (Grote). 4.
M. louisiana (Forbes). 4s: Hastings (Trenton).
M. orciferalis Walker. 3. 4.

Genus Palthis Hübner
P. angulalis (Hübner). Spruce harlequin/arlequin de l’épinette. 2. 3. 4.
P. asopialis (Guenée). 3: Thunder Bay (Nipigon).

Genus Phalaenophana Grote [= Philometra Grote]
P. pyramusalis (Walker). 2. 3. 4.

Genus Phalaenostola Grote
P. hanhami (Smith). 3. 4.
P. larentioides Grote. 4.
P. metonalis (Walker). 2. 3. 4.

Genus Polypogon Schrank [= Zanclognatha Lederer]
P. laevigata (Grote). 4.
P. lituralis (Hübner). 4.
P. lutalba (Smith). 3.
P. obscuripennis (Grote). 2. 3.
P. ochreipennis (Grote). 2. 3. 4.
P. pedipilalis (Guenée). 3. 4.

Genus Renia Guenée

R. factiosalis (Walker). 2. 4.
R. flavipunctalis (Geyer). 3. 4.
R. sobrialis (Walker). 3. 4.

Genus Tetanolita Grote

T. mynesalis (Walker). 4s: Kent (Chatham).

Subfamily Hypenodinae

Genus Hypenodes Doubleday

H. caducus (Dyar). 4.
H. fractilinea (Smith). 4.
H. palustris Ferguson. 2: Thunder Bay (Geraldton).

Subfamily Hypeninae

Genus Hypena Schrank [= Bomolocha Hübner,
Ophiuche Hübner, Parahypenodes Barnes and McDunnough,
Plathypena Grote]

H. atomaria Smith. 4s: Essex (Point Pelee)
H. baltimoralis (Guenée). 4.
H. bijugalis (Walker). 4n: Carleton (Ottawa).
H. humuli Harris. 2. 3. 4.
H. madefactalis (Guenée). 4.
H. minualis (Guenée). 4.
H. palparia (Walker). 3. 4.
H. quadralis Barnes and McDunnough. 4s: Hastings (Trenton).
H. scabra (Fabricius). Green cloverworm/phalène des légumineuses. 2. 3. 4.
H. sordidula (Grote). 4.
Subfamily Ophiderinae [= Rivulinae]

Genus Alabama Grote
*A. argillacea* (Hübner). 2. 3. 4. Straggler.

Genus Anomis Hübner
*A. erosa* Hübner. 4s: Leeds (Chaffeys Locks). Occasional straggler.
*A. flava* (Fabricius). 4s: Norfolk (Delhi); York (Toronto). Occasional straggler.

Genus Anticarsia Hübner
*A. gemmatalis* Hübner. 4s: York (Toronto); Essex (Southeast Shoal*). Occasional straggler.

Genus Ascalapha Hübner [= Erebus Latreille]
*A. odorata* (Linné). 3. 4. Occasional straggler as far as Thunder Bay.

Genus Calyptra Ochsenheimer
*C. canadensis* Bethune. 4.

Genus Capis Grote
*C. curvata* Grote. 2. 3. 4.

Genus Cissusa Walker
*C. spadix* (Cramer). 4s: York (Toronto). Rare straggler.

Genus Colobochyla Hübner [= Salia Hübner]
*C. interpuncta* (Grote). 4.

Genus Drasteria Hübner [= Synedoida Hy. Edwards]
*D. adumbrata* (Behr). 3. 4.
*D. alleni* (Grote). 3. 4.
*D. grandirena* (Haworth). 4.
Genus *Hypocala* Guenée

*H. andremona* (Cramer). 4s: Essex (Point Pelee); Kent (Chatham). Occasional straggler.

Genus *Ledaea* Druce


Genus *Melanomma* Grote

*M. auricinctaria* Grote. 4.

Genus *Melipotis* Hübner

*M. indomita* (Walker). 4s: Lambton; York (Toronto).
*M. jucunda* Hübner. 4s: Essex (Point Pelee).

Genus *Metalectra* Hübner

*M. discalis* (Grote). 4.

Genus *Mycterophora* Hulst

*M. inexplicata* (Walker). 2. 3.

Genus *Pangrapta* Hübner

*P. decoralis* Hübner. 2. 3. 4.

Genus *Panopoda* Guenée

*P. carneicosta* Guenée. 4.
*P. repanda* (Walker). 4s: York (Toronto).
*P. rufimargo* (Hübner). 4.

Genus *Phoberia* Hübner

*P. atomaris* Hübner. 4n: Hastings (Marmora).

Genus *Phytometra* Haworth

*P. rhodarialis* (Walker) [= *semipurpurea* (Walker)]. 4s.
Genus *Plusiodonta* Guenée

*P. compressipalpis* Guenée. 4.

Genus *Rivula* Guenée

*R. propinqualis* Guenée. 3. 4.

Genus *Scoleocampa* Guenée

*S. liburna* (Geyer). 4s.

Genus *Scoliopteryx* Germar

*S. libatrix* (Linné). 2. 3. 4.

Genus *Spargaloma* Grote

*S. sexpunctata* Grote. 2. 3. 4.

Genus *Spiloloma* Grote

*S. lunilinea* (Grote). 4s: Lincoln (Vineland).

Genus *Thysania* Dalman

*T. zenobia* (Cramer). 4s: Essex (Point Pelee); Kent (Chatham). Occasional straggler.

Subfamily Catocalinae

Genus *Allotria* Hübner

*A. elonympha* (Hübner). 4s: Essex (Windsor).

Genus *Argyrostrolis* Hübner


Genus *Caenurgina* McDunnough

*C. crassiuscula* Haworth. 1. 2. 3. 4.
*C. erechtea* (Cramer). 2. 4.
Genus *Catocala* Schrank

C. *amatrix* (Hübner). 4s.
C. *amica* (Hübner) [= *lineella* Grote]. 4s.
C. *antinympha* (Hübner). 3. 4.
C. *blandula* Hulst. 2. 3. 4.
C. *briseis* Edwards. 2. 3. 4.
C. *cara* Guenée. 4s.
C. *cerogama* Guenée. 3. 4.
C. *clintoni* Grote. 4s.
C. *coccinata* Grote. 4s.
C. *coelibs* Grote. 3. 4.
C. *concumbens* Walker. 3. 4.
C. *connubialis* Guenée. 4s: Lambton (Pinery Provincial Park).
C. *crataegi* Saunders. 4s.
C. *dejecta* Streck. 4s: Essex (Windsor).
C. *grynea* (Cramer). 4s.
C. *habilis* Grote. 4.
C. *ilia* (Cramer). 4s.
C. *illecta* Walker. 4s: Essex (Harrow, near Leamington).
C. *innubens* Guenée. 4.
C. *insolabilis* Guenée. 4s.
C. *judith* Streck. 4s: Essex (Windsor); Haldimand (Caledonia); Halton (Brockville).
C. *lacrymosa* Guenée. 4s: Norfolk (Delhi).
C. *meskei* Grote. 4s.
C. *micronympha* Guenée. 4s.
C. *mira* Grote. 3. 4s.
C. *nebulosa* Edwards. 4s: Essex (Windsor); Haldimand (Caledonia).
C. *neogama* (J. E. Smith). 4s.
C. *obscura* Streck. 4.
C. *palaeogama* Guenée. 4s.
C. *parta* Guenée. 4s.
C. *piatrix* Grote. 4.
C. *praeclara* Grote and Robinson. 4s.
C. *relicta* Walker. 2. 3. 4.
C. *residua* Grote. 4s: York (Toronto).
C. *resecta* Grote. 4s.
C. *semirelictata* Grote. 2. 3. 4.
C. *serena* Edwards. 4.
C. *similis* Edwards. 4.
C. *sordida* Grote. 3. 4.
C. *subnata* Grote. 4s.
C. *ultronia* (Hübner). 3. 4
C. unijuga Walker. 2. 3. 4.
C. vidua (J. E. Smith). 4s.

Genus Celiptera Guenée

C. frustulum Guenée. 4s: Middlesex (Strathroy).

Genus Euclidia Ochsenheimer

E. cuspidata (Hübner). 2. 3. 4.

Genus Euparthenos Grote

E. nubilis Hübner. 4.

Genus Mocis Hübner

M. latipes (Guenée). 4s.

Genus Parallelia Hübner

P. bistriaris Hübner. 4.

Genus Zale Hübner

Z. aeruginosa (Guenée). 2. 3. 4.
Z. calycanthata (J. E. Smith). 4: Manitoulin.
Z. duplicata (Bethune). Pine zale/phalène du pin. 2. 3. 4.
Z. helata (Smith). 4.
Z. horrida Hübner. 4.
Z. lunata (Drury). 2. 3. 4.
Z. lunifera (Hübner) [= cingulifera (Walker)]. 4.
Z. metatoides McDunnough. 4s.
Z. minerea (Guenée). 2. 3. 4.
Z. phaeocapna Franclemont. 4s.
Z. submediana Strand. 3. 4.
Z. unilineata (Grote). 3. 4.
Subfamily Plusiinae

Genus *Abrostola* Ochsenheimer

*A. urentis* Guenée. 2. 4.

Genus *Agrapha* Hübner

*A. oxygramma* (Geyer). 4s: Norfolk (Delhi); York (Toronto). Southern straggler.

Genus *Allagrapha* Franclemont


Genus *Anagrapha* McDunnough

*A. falcifera* (Kirby). Celery looper/autographe du céleri. 2. 3. 4.

Genus *Argyrogramma* Hübner

*A. verruca* (Fabricius). 4s: Welland (Niagara Falls).

Genus *Autographa* Hübner

*A. ampla* (Walker). 2. 3. 4.
*A. biloba* (Stephens). 2. 4.
*A. bimaculata* (Stephens). 2. 3. 4.
*A. flagellum* (Walker). 2. 3. 4.
*A. mappa* (Grote and Robinson). 2. 3.
*A. precationis* (Guenée). 2. 3. 4.
*A. pseudogamma* (Grote). 3. 4.
*A. rubida* Ottolengui. 2. 4.

Genus *Chrysanympha* Grote

*C. formosa* (Grote). 3. 4.

Genus *Diachrysia* Hübner

*D. aeroides* (Grote). 2. 3. 4.
*D. balluca* Geyer. 2. 3. 4.
Genus *Eosphoropteryx* Dyar

*E. thyatryoides* (Guenée). 4.

**Genus Plusia** Ochsenheimer

*P. contexta* Grote. 4.

*P. putnami* Grote. 2. 3. 4.

*P. venusta* Walker. 2. 3. 4.

**Genus Pseudeva** Hampson

*P. purpurigera* (Walker). 3. 4.

**Genus Pseudoplusia** McDunnough


**Genus Rachiplusia** Hampson

*R. ou* (Guenée). 2. 3. 4.

**Genus Syngrapha** Hübner

*S. abstrusa* Eichlin and Cunningham. 3. 4.

*S. alias* (Ottolengui). Spruce climbing cutworm/autographe de l’épinette. 2. 3. 4.

*S. altera* (Ottolengui). 2. 3: Thunder Bay (Nipigon, type locality).

*S. epigaea* (Grote). 2. 3. 4.

*S. ignea* (Grote). 2: Cochrane (Low Bush).

*S. microgamma* (Hübner). 2. 3. 4. Subspecies *nearactica* Ferguson.

*S. montana* (Packard). 3. 4.

*S. octoscripta* Grote. 3. 4.

*S. rectangula* (W. Kirby). Angulated cutworm/autographe à rectangle. 2. 3.

*S. selecta* (Walker). 2: Cochrane (Ogoki Post).

*S. surena* (Grote). 2: Cochrane (Low Bush. Smoky Falls).


*S. viridisigma* Grote. Verdigris autograph/autographe verdâtre. 2. 3. 4.

**Genus Trichoplusia** McDunnough

*T. ni* (Hübner). Cabbage looper/arpenteuse du chou. 2. 3. 4.
Subfamily Euteliinae

Genus *Eutelia* Hübner

*E. pulcherrima* (Grote). 4s: Kent (Rondeau Provincial Park).

Genus *Marathyssa* Walker

*M. basalis* Walker. 4.

Genus *Paectes* Hübner

*P. abrostoloides* (Guenée). 4s: Waterloo (Kitchener).
*P. oculatrix* (Guenée). 4s: Welland (Port Colborne).

Subfamily Sarrothripinae

Genus *Baileya* Grote

*B. australis* (Grote). 4s: Haldimand (Dunnville).
*B. dormitans* (Guenée). 4.
*B. doubledayi* (Guenée). 3. 4.
*B. ophthalmica* (Guenée). 4.

Genus *Nycteola* Hübner

*N. cinereana* Neumoegen and Dyar. 2.
*N. frigidana* (Walker). 2. 3. 4.

Subfamily Nolinae

Genus *Meganola* Dyar

*M. minuscula* (Zeller). 4: Carleton; Frontenac; Lanark; Leeds; Middlesex; Muskoka; Peterborough; Russell; Wentworth; York. Early July. CNC, ROM, UG.
Genus *Nola* Leach [= *Celama* Walker]

*N. cilicoides* (Grote). 4: Carleton; Frontenac; Hastings; Huron; Leeds; Norfolk; Wentworth. July. CNC, ROM.

*N. clethrae* Dyar. 4: Carleton; Wentworth. CNC.

*N. ovilla* Grote. 4: Carleton; Simcoe. CNC.

*N. triquetran* (Fitch). 4: Carleton; Kent; Nipissing; Norfolk; Wentworth; York. 21 May–16 June. CNC, ROM, UG. Specimen from Norfolk (Simcoe) is labelled, “bred from witch hazel.”

Subfamily Acontiinae

Genus *Acontia* Ochsenheimer

*A. aprica* (Hübner). 4s: Essex (Pelee Island); Kent (Chatham).
*A. terminimaculata* (Grote). 4.

Genus *Amyna* Guenée

*A. octo* (Guenée). 4n: Carleton (Ottawa).

Genus *Exyra* Grote

*E. rolandiana* Grote. 3. 4.

Genus *Homophoberia* Morrison

*H. cristata* Morrison. 4.

Genus *Hyperstrotia* Hampson

*H. pervertens* Barnes and McDunnough. 3. 4.
*H. secta* (Grote). 4.
*H. villificans* Barnes and McDunnough. 4n: Carleton (Ottawa).

Genus *Leuconycta* Hampson

*L. diphteroides* (Guenée). 3. 4.
*L. lepidula* (Grote). 4.

Genus *Lithacodia* Hübner

*L. albidula* (Guenée). 2. 3. 4.
*L. bellicula* Hübner. 2. 4.
L. carneola (Guenée). 2. 3. 4.
L. muscosula (Guenée). 4.

Genus Maliatha Walker

M. concinnimacula (Guenée). 4.
M. synochitis (Grote and Robinson). 3. 4.

Genus Nigetia Walker

N. formosalis Walker. 4.

Genus Spragueia Grote

S. leo (Grote). 4s: Middlesex (London).

Genus Tarachidia Hampson

T. binocula (Grote). 4s: Wentworth (Ancaster).
T. erastrioides (Guenée). 4.

Subfamily Pantheinae

Genus Charadra Walker

C. deridens (Guenée). 2. 3. 4.

Genus Colocasia Hampson

C. flavicornis (Smith). 3. 4.
C. infanta (Smith). 2.
C. propinquilinea (Grote). 2. 3. 4.

Genus Panthea Hübner

P. acronyctoides (Walker). Tufted spruce caterpillar/phalène de l’épinette. 2. 3. 4.

Genus Raphia Hübner

R. frater Grote. 2. 3. 4.
Subfamily Acronictinae
Dagger moths.

Genus *Acronicta* Ochsenheimer

*A. afflicta* Grote. 3. 4.
*A. albarufa* Grote. 4s: Huron (Grand Bend).
*A. americana* (Harris). American dagger moth/acronycte d’Amérique. 2. 3. 4.
*A. clarescens* Guenée. 4.
*A. connecta* Grote. 4s: Wentworth (Ancaster)
*A. dactylina* Grote. 2. 3. 4.
*A. distans* (Grote). 2. 3. 4.
*A. fragilis* (Guenée). 2. 3. 4.
*A. funeris* Grote and Robinson. 2. 3. 4.
*A. grisea* Walker. 2. 3. 4.
*A. haesitata* (Grote). 3. 4.
*A. hamamelis* Guenée. 3. 4.
*A. hasta* Guenée. 4.
*A. impleta* Walker. 2. 3. 4.
*A. inclara* Smith. 3. 4.
*A. increta* Morrison. 4s: Wentworth (Ancaster).
*A. innutata* Guenée. 2. 3. 4.
*A. interrupta* Guenée. 3. 4.
*A. laetifica* Smith. 4.
*A. lanceolaria* (Grote). 3. 4.
*A. leporina* (Linné). 2. 3. 4.
*A. lepusculina* Guenée. 2. 3. 4.
*A. lithospila* Grote. 4.
*A. lobeliae* Guenée. 2. 4s: Lambton.
*A. longa* Guenée. 2. 3. 4.
*A. modica* Walker. 4s.
*A. morula* Grote and Robinson. 3. 4.
*A. noctivaga* Grote. 2. 3. 4.
*A. oblimata* (J. E. Smith). Smeared dagger moth/acronycte souillée. 2. 3. 4.
*A. ovata* Grote. 4s.
*A. quadrata* Grote. 3.
*A. radcliffei* (Harvey). 3. 4.
*A. retardata* (Walker). 3. 4.
*A. rubricoma* Guenée. 4s: Essex (Point Pelee).
*A. sperata* Grote. 2. 3. 4.
*A. superans* Guenée. 3. 4.
*A. tristis* Smith. 4s: Huron (Grand Bend).
*A. tritona* (Hübner). 2. 3. 4.
*A. vinnula* (Grote). 4.

146
Genus *Agriopodes* Hampson  

Genus *Anterastria* Sugi  

Genus *Harrisimemna* Grote  
*H. trisignata* (Walker). 2. 3. 4.

Genus *Polygrammate* Hübner  
*P. hebraicum* Hübner. 4.

Genus *Simyra* Ochsenheimer  
*S. henrici* (Grote). 2. 3. 4.

Subfamily Agaristinae

Genus *Alypia* Hübner  
*A. langtoni* Couper. 2. 3. 4.  
*A. octomaculata* (Fabricius). Eight-spotted forester/alypie à huit points. 4.

Genus *Androloma* Grote  
*A. maccullochii* (Kirby). 2. 3.

Genus *Eudryas* Boisduval  
*E. grata* (Fabricius). 4.  

Genus *Psychomorpha* Harris  
*P. epimenis* (Drury). 4s: Essex (Ojibway Park, 1987. Point Pelee*. Seen on Pelee Island); Halton (Campbellville); Waterloo (Kitchener).
Subfamily Amphipyrinae

Genus *Achatodes* Guenée

*A. zeae* (Harris). 4.

Genus *Amolita* Grote

*A. fessa* Grote. 4.

Genus *Amphipoea* Billberg

*A. americana* (Speyer). 2. 3. 4.
*A. interoceanica* (Smith). 4s: Lambton; Wentworth (Ancaster).
*A. velata* (Walker). 3. 4.

Genus *Amphipyra* Ochsenheimer

*A. glabella* (Morrison). 3. 4.
*A. pyramidoides* Guenée. 4.
*A. tragopoginis* (Clerck). 4.

Genus *Andropolia* Grote

*A. aedon* (Grote). 2. 3.
*A. contacta* (Walker). 3.

Genus *Anorthodes* Smith

*A. tarda* (Guenée). 2: Thunder Bay (Geraldton).

Genus *Apamea* Ochsenheimer [= *Trichoplexia* Hampson]

*A. alia* (Guenée). 2. 3. 4.
*A. amputatrix* (Fitch). 2. 3. 4.
*A. apamiformis* (Guenée). 3. 4.
*A. cariosa* (Guenée). 4.
*A. cogitata* (Smith). 2.
*A. commoda* (Walker). 3.
*A. devastator* (Brace). Glassy cutworm/ver-gris vitreux. 2. 3. 4.
*A. dubitans* (Walker). 2. 3. 4.
*A. extensa* (Smith). 4n: Carleton (Ottawa).
*A. finitima* Guenée. 2. 3. 4.
*A. helva* (Grote). 4.
*A. impulsa* (Guenée). 2. 3. 4.
A. _indocilis_ (Walker). 2. 3. 4.
A. _inficita_ (Walker). 3.
A. _inordinata_ (Morrison). 4s: Lincoln (Queenston); Peterborough*.
A. _lateritia_ (Hufnagel). 2. 3. 4.
A. _lutoso_ (Andrews). 4s.
A. _mixta_ (Grote). 3: Sudbury (Westree).
A. _nigrior_ (Smith). 4.
A. _niveivenosa_ (Grote). 2. 3. 4.
A. _plutonia_ (Grote). 3. 4.
A. _verbascoïdes_ (Guenée). 3. 4.
A. _vulgaris_ (Grote and Robinson). 4s: Lambton.
A. _vultuosa_ (Grote). 3. 4.

Genus _Archanara_ Walker

A. _laeta_ (Morrison). 4n: Carleton (Mer Bleue).
A. _oblonga_ (Grote). 3. 4.
A. _subflava_ (Grote). 2. 3. 4.

Genus _Athetis_ Hübner [= _Proxenus_ Herrich-Schäffer]

A. _mendosa_ (McDunnough). 2: Cochrane (Smoky Falls).
A. _miranda_ (Grote). 2. 3. 4.

Genus _Balsa_ Walker

_B. labecula_ (Grote). 4.
_B. malana_ (Fitch). 4.

Genus _Bellura_ Walker

_B. densa_ (Walker). 4s: Hastings (Trenton).
_B. gortynoides_ Walker. 2. 3. 4.
_B. obliqua_ (Walker). 2. 3. 4.

Genus _Callopistria_ Hübner

_C. cordata_ (Ljungh) [= _montifera_ (Guenée)]. 3. 4.
Genus *Caradrina* Ochsenheimer

*C. extima* (Walker). 3: Sudbury.
*C. meralis* (Morrison). 4s: Frontenac (Perth Road); Hastings (Trenton).
*C. morpheus* (Hufnagel). 4n: Carleton (Ottawa).
*C. multifera* (Walker). 3. 4.

Genus *Catabena* Walker

*C. lineolata* Walker. 4.

Genus *Celaena* Stephens [= *Helotropha* Lederer]

*C. reniformis* (Grote). 2. 3. 4.

Genus *Cerma* Hübner

*C. cerintha* (Treitschke). 3. 4.
*C. cora* Hübner. 3. 4.

Genus *Chytonix* Grote

*C. palliaticula* (Guenée). 3. 4.
*C. ruperti* Franclemont. 4s: Huron (Grand Bend).
*C. sensilis* Grote. 4.

Genus *Cirrophanus* Grote

*C. triangulifer* Grote. 4s: Kent (Rondeau Provincial Park); Middlesex (London).

Genus *Condica* Walker [= *Platysenta* Grote]

*C. sutor* (Guenée). 4s: Wentworth (Ancaster).
*C. vecors* (Guenée). 4.
*C. videns* (Guenée). 4.

Genus *Conservula* Grote

*C. anodonta* (Guenée). 4.

Genus *Cosmia* Ochsenheimer

*C. calami* (Harvey). 3. 4.
Genus *Crambodes* Guenée

*C. talidiformis* Guenée. 4.

Genus *Dypterygia* Stephens

*D. rozmani* Berio [= *scabriuscula* (Linné)]. 3. 4.

Genus *Elaphria* Hübner

*E. festivoides* (Guenée). 2. 3. 4.
*E. grata* Hübner. 4s: Hastings (Trenton).
*E. versicolor* (Grote). 4.

Genus *Enargia* Hübner

*E. decolor* (Walker). 2. 3. 4.
*E. infumata* (Grote). 2. 3. 4.
*E. mephisto* Franclemont. 4s.

Genus *Euplexia* Stephens

*E. benesimilis* McDunnough. 2. 3. 4.

Genus *Fagitana* Walker

*F. littera* (Guenée). 4n: Carleton (Ottawa).

Genus *Galgula* Guenée

*G. partita* Guenée. 2. 3. 4.

Genus *Hydraecia* Guenée

*H. micacea* (Esper). Potato stem borer/perce-tige de la pomme de terre. 4.
*H. stramentosa* Guenée. 4.

Genus *Hypocoena* Hampson

*H. basistriga* McDunnough. 3: Thunder Bay.
*H. defecta* (Grote). 3. 4.

Genus *Hyppa* Duponchel

*H. xylinoides* (Guenée) [= *ancociscônensis* (Morrison)]. 3. 4.
Genus *Ipimorpha* Hübner

*I. pleonectusa* Grote. 2. 3. 4.

Genus *Lemmeria* Barnes and Benjamin

*L. digitalis* (Grote). 4.

Genus *Luperina* Boisduval

*L. passer* (Guenée). 2. 3. 4.

Genus *Macronoctua* Grote

*M. onusta* Grote. Iris borer/perceur de l’iris. 4.

Genus *Magusa* Walker


Genus *Meropleon* Dyar

*M. diversicolor* (Morrison). 3. 4.

Genus *Nedra* Clarke

*N. ramosula* (Guenée). 4.

Genus *Ogdoconta* Butler

*O. cinereola* (Guenée). 4.

Genus *Oligia* Hübner

*O. bridghami* (Grote and Robinson). 3. 4.

*O. chlorostigma* (Harvey). 4s: Frontenac (Perth Road); Lambton*.

*O. exhausta* (Smith). 4n: Carleton (Dunrobin).

*O. fractilinea* (Grote). 3. 4.

*O. illocata* (Walker). 2. 3. 4.

*O. mactata* (Guenée). 3. 4.

*O. marina* (Grote). 2.


*O. modica* (Guenée). 3. 4.

*O. obtusa* (Smith). 4s: Welland (Port Colborne).


*O. tonsa* (Grote). 3. 4.
Genus *Papaipema* Smith

*P. apassionata* (Harvey). 4.
*P. arcticorens* Hampson. 4s.
*P. astuta* Bird. 2: Thunder Bay (Geraldton)
*P. aweme* (Lyman). 4s: Huron (Grand Bend).
*P. cataphracta* (Grote). Burdock borer/perce-tige de la bardane. 4.
*P. cerina* (Grote). 4s: Norfolk (Delhi).
*P. cerrusata* (Grote). 4s: Essex (Windsor area, J. Larson).
*P. eupatorii* (Lyman). 4.
*P. furcata* (Smith). 4.
*P. harrisii* (Grote). 3. 4.
*P. impecuniosa* (Grote). 4.
*P. inquaesita* (Grote and Robinson). 4.
*P. leucostigma* (Harris). Columbine borer/perce-tige de l’ancolie. 4.
*P. lysimachiae* Bird. 4s: Welland (Port Colborne).
*P. marginidens* (Guénon). 4.
*P. nebris* (Guénon). 4.
*P. necopina* (Grote). 4s: Kent (Chatham).
*P. nelita* (Strecker). 4.
*P. nepheleptena* (Dyar). 4n: Carleton (Ottawa). 4s: Norfolk (Delhi).
*P. pterisii* Bird. 3. 4.
*P. speciosissima* (Grote and Robinson). 4n: Carleton (Ottawa). 4s: Leeds (Chaffeys Locks).
*P. unimoda* (Smith) [= *frigida* (Smith)]. 3. 4.

Genus *Perigea* Guénon

*P. xanthioides* Guénon. 4s: Essex (Windsor); Kent (Chatham).

Genus *Phlogophora* Treitschke

*P. iris* Guénon. 2. 3. 4.
*P. periculosa* Guénon. 2. 3. 4.

Genus *Phosphila* Hübner

*P. miselioides* (Guénon). 4s: Essex (Windsor); Norfolk (Delhi).

Genus *Plagiomimicus* Grote

*P. pityochromus* Grote. 4s: Essex (Windsor).
Genus *Spartiniphaga* McDunnough

*S. panatala* (Smith). 4.

Genus *Spodoptera* Guenée

*S. exigua* (Hübner). 4

*S. ornithogalli* (Guenée). 4.

Genus *Trachea* Ochsenheimer

*T. delicata* (Grote). 4.

Genus *Xylomoia* Staudinger

*X. chagnoni* Barnes and McDunnough. 4.

Subfamily Cuculliinae

Genus *Adita* Grote


Genus *Anathix* Franclemont

*A. puta* (Grote and Robinson). 2: Cochrane (Ogoki Post).
*A. ralla* (Grote and Robinson). 4.

Genus *Apharetra* Grote

*A. dentata* (Grote). 2: Thunder Bay (Geraldton). 3. 4: Carleton (Mer Bleue, type locality of the synonym *purpurea* McDunnough, see Poole, 1989:111).

Genus *Blepharita* Hampson [= *Mniotype* Franclemont]

*B. miniota* (Smith). 2. 3.

Genus *Brachionycha* Hübner

*B. borealis* (Smith). 3: Thunder Bay (Black Sturgeon Lake).
Genus *Brachylomia* Hampson

*B. discinigra* (Walker). 2: Cochrane (Ogoki Post).

Genus *Chaetaglaea* Franclemont

*C. cerata* Franclemont. 4s: Leeds (Chaffeys Locks).
*C. sericea* (Morrison). 4n: Carleton (Ottawa).

Genus *Copivaleria* Grote

*C. grotei* (Morrison). 4s.

Genus *Cucullia* Schrank

*C. asteroides* Guenée. 4.
*C. convexipennis* Grote and Robinson. Aster cutworm/cucullie de l’aster. 4.
*C. florea* Guenée. 2. 3. 4.
*C. lucifuga* (Denis and Schiffermüller) [= *intermedia* Speyer]. Goldenrod cutworm/cucullie de la verge d’or. 2. 3. 4.
*C. omissa* Dod. 2. 3. 4.
*C. posterana* Guenée. 4n: Carleton (Ottawa).
*C.-speyeri* Lintner. 4s.

Genus *Epiglaea* Grote

*E. apiata* (Grote). 3. 4.
*E. decliva* (Grote). 4s.

Genus *Eucirroedia* Grote

*E. pampina* (Guenée). 3. 4.

Genus *Eupsilia* Hübner

*E. devia* (Grote). 4.
*E. morrisoni* (Grote). 4.
*E. sidus* (Guenée). 4.
*E. tristigmata* (Grote). 3. 4.
*E. vinulenta* (Grote). 4.

Genus *Feralia* Grote

*F. comstocki* (Grote). 2. 3. 4.
*F. jocosa* (Guenée). Green caterpillar/chenille à raies vertes. 4.
*F. major* Smith. 4.
Genus *Fishia* Grote

*F. enthea* Grote. 2. 3. 4.

Genus *Hillia* Grote

*H. iris* (Zetterstedt). 2. 4.

Genus *Homoglaea* Morrison

*H. hircina* Morrison. 2. 4.

Genus *Homohadena* Grote

*H. badistriga* (Grote). Honeysuckle budworm / phalène du chèvrefeuille. 3. 4.

*H. infixa* (Walker). 2. 3. 4.

Genus *Litholomia* Grote

*L. napaea* (Morrison). 2. 3. 4.

Genus *Lithomoia* Hübner

*L. solidaginis* (Hübner). 2: Cochrane (Ogoki Post).

Genus *Lithophane* Hübner

*L. amanda* (Smith). 2. 3. 4.

*L. antennata* (Walker). Green fruitworm / phalène du fruit vert. 4.

*L. baileyi* Grote. 3. 4.

*L. bethunei* (Grote and Robinson). 4.

*L. disposita* Morrison. 4.

*L. fagina* Morrison. 4.

*L. georgii* Grote. 2. 3. 4.

*L. grotei* Riley. 4.

*L. hemina* Grote. 4.

*L. innominata* (Smith). 3. 4.

*L. laticinerea* Grote. 4.

*L. lemmeri* (Barnes and Benjamin). 4: Frontenac (Arden).

*L. lepida* Grote. 3. 4.

*L. oriunda* Grote. 4.


*L. petulca* Grote [= *ferrealis* Grote]. 3. 4.

*L. pexata* Grote. 2. 3. 4.

*L. quерquer* Grote. 4s: Frontenac (Perth Road).

*L. semiusta* Grote. 4.
L. tepida Grote. 2: Timiskaming (Larder Lake). 4s: Frontenac (Perth Road).
L. thaxteri Grote. 2. 3. 4.
L. unimoda (Lintner). 3. 4.

Genus *Metaxaglaea* Franclemont

*M. inulta* (Grote). 4.

Genus *Oncocnemis* Lederer

*O. piffardi* (Walker). 2. 3.
*O. riparia* Morrison. 4s.
*O. saundersiana* Grote. 4.
*O. viriditincta* Smith. 4s: Leeds (Chaffey's Locks); Wentworth (Hamilton).

Genus *Parastichtis* Hübner

*P. discivaria* (Walker). 2. 4.

Genus *Platypolia* Grote

*P. anceps* Stephens. 3. 4.

Genus *Properigea* Barnes and Benjamin

*P. costa* Barnes and Benjamin. 4s: Frontenac (Perth Road); Leeds (Chaffey's Locks).

Genus *Psaphida* Walker

*P. electilis* (Morrison). 4s.
*P. rolandi* Grote. 4s: Kent (Chatham).
*P. styracis* (Gueneé). 4s.
*P. thaxteriana* (Grote). 4s: Norfolk (Delhi).

Genus *Psectraglaea* Hampson

*P. cariosa* (Grote). 4s.

Genus *Pyreferra* Franclemont

*P. ceromatica* (Grote). 4s.
*P. citromba* Franclemont. 3.
*P. hesperidago* (Gueneé). 4.
*P. pettiti* (Grote). 4.
Genus *Sunira* Franclemont

*S. bicolorago* (Guenée). 4.

Genus *Sutyna* Todd

*S. privata* (Walker). 2. 4.  
*S. profunda* (Smith). 2.

Genus *Sympistis* Hübner

*S. zetterstedtii* (Staudinger) [= *kolthoffi* (Aurivillius)]. 1: Kenora (Cape Henrietta Maria).

Genus *Xanthia* Ochsenheimer

*X. togata* (Esper) [= *lutea* (Ström)]. 2. 3. 4.

Genus *Xylena* Ochsenheimer

*X. cineritia* (Grote). 2. 3. 4.  
*X. curvimacula* (Morrison). 3. 4.  
*X. nupera* (Lintner). 3. 4.  
*X. thoracica* (Putnam-Cramer). 2. 3.

Genus *Xylotype* Hampson

*X. acadia* Barnes and Benjamin. 2. 3.

Subfamily Hadeninae

Genus *Achatia* Hübner

*A. distincta* Hübner. 4.

Genus *Aletia* Hübner

*A. oxygala* (Grote). 2. 3. 4.

Genus *Anarta* Ochsenheimer

*A. cordigera* (Thunberg) [= *luteola* (Grote and Robinson)]. 4n.  
*A. melanopa* (Thunberg). 1: Kenora (Fort Severn).
Genus *Anartomima* Boursin


Genus *Anhimella* McDunnough

*A. contrahens* (Walker). 2. 3. 4.

Genus *Croigrapha* Grote

*C. normani* (Grote). Climbing cherry cutworm/phalène du cerisier. 3. 4.

Genus *Discestra* Hampson

*D. trifolii* (Hufnagel). Clover cutworm/ver-gris du trefle. 2. 3. 4.

Genus *Egira* Duponchel

*E. alternans* (Walker). 4s: Leeds (Chaffeys Locks).
*E. dolosa* (Grote). 3. 4.
*E. purpurea* (Barnes and McDunnough). 3.

Genus *Faronta* Smith

*F. diffusa* (Walker). Wheat head armyworm/légionnaire des épis de blé. 2. 3. 4.

Genus *Hadena* Schrank [= *Anepia* Hampson]

*H. capsularis* (Guenée). 4s: Lambton.

Genus *Homorthodes* McDunnough

*H. furfurata* (Grote). 3. 4.

Genus *Lacanobia* Billberg

*L. atlantica* (Grote). 2. 3. 4.
*L. nevadac* (Grote). 2. 3. 4.
*L. radix* (Walker). 2. 3. 4.
*L. subjuncta* (Grote and Robinson). 4.

Genus *Lacinipolia* McDunnough

*L. anguina* (Grote). 2. 3. 4.
*L. implicata* McDunnough. 4s: Leeds (Chaffeys Locks).
L. lorea (Guenée). 2. 3. 4.
L. lustralis (Grote). 3. 4.
L. meditata (Grote). 4.
L. olivacea (Morrison). 2. 3. 4.
L. renigera (Stephens). 2. 3. 4.
L. vicina (Grote). 2. 3. 4.

Genus Lasionycta Aurivillius
L. albinuda (Smith). 3: Thunder Bay (Black Sturgeon Lake).

Genus Leucania Ochsenheimer
L. commoides Guenée. 2. 3. 4.
L. insueta Guenée. 2. 4.
L. multilinea Walker. 2. 3. 4.
L. phragmatidicola Guenée. 3. 4.
L. pseudargyria Guenée. 4.
L. ursula (Forbes). 4s.

Genus Mamestra Ochsenheimer
M. curialis (Smith). 3. 4.

Genus Melanchra Hübner
M. adjuncta (Boisduval). 2. 3. 4.
M. assimilis (Morrison). 3. 4.
M. picta (Harris). Zebra caterpillar/chenille zébrée. 4.
M. pulverulenta (Smith). 2. 3.

Genus Morrisonia Grote
M. confusa (Hübner). 4.
M. evicta (Grote). 4.
M. latex (Guenée). 2. 4.

Genus Nephelodes Hübner
N. minians Guenée. 2. 3. 4.

Genus Orthodes Guenée
O. crenulata (Butler). 3. 4.
O. cynica Guenée. 2. 3. 4.
O. goodelli (Grote). 4.
O. obscura (Smith). 2. 3. 4.

Genus Orthosia Ochsenheimer

O. alurina (Smith). 4n: Carleton (Dunrobin). 4s: Leeds (Chaffey’s Locks).
O. hibisci (Guenée). 2. 3. 4.
O. revicta (Morrison). 2. 3. 4.

Genus Papestra Sukhareva

P. cristifera (Walker). 2. 3.
P. quadrata (Smith) [= ingravis Smith]. 3.

Genus Polia Ochsenheimer

P. detracta (Walker). 2. 3.
P. imbrifera (Guenée). 2. 3. 4.
P. nimbosa (Guenée). 3. 4.
P. purpurissata (Grote). 2. 3. 4.
P. rogenhoferi (Möschler) [= carbonifera Hampson; = leomegra (Smith)]. 2: Cochrane (Ogoki Post). 3: Thunder Bay (Black Sturgeon Lake).

Genus Protorthodes McDunnough

P. incincta (Morrison). 4s: Essex (Windsor).
P. oviduca (Guenée). 2. 3. 4.

Genus Pseudaletia Franclemont

P. unipuncta (Haworth). Armyworm/légionnaire uniponctuée. 2. 3. 4.

Genus Pseudorthodes McDunnough

P. vecors (Guenée). 2. 3. 4.

Genus Sideridis Hübner

S. congermana (Morrison). 4.
S. maryx (Guenée). 2. 3.
S. rosea (Harvey). 2. 3. 4.
Genus *Spiramater* McCabe

*S. grandis* (Guenée). 2. 3. 4.
*S. lutra* (Guenée). 2. 3. 4.

Genus *Stretchia* Hy. Edwards

*S. plusiiformis* Hy. Edwards. 2. 3.

Genus *Trichoclea* Grote

*T. artesta* (Smith). 4s: Kent (Chatham); Welland (Port Colborne).

Genus *Trichodestra* McCabe

*T. legitima* (Grote). 2. 3. 4.
*T. lilacina* (Harvey). Flax cutworm/ver-gris du lin. 3. 4.
*T. Tacoma* (Strecker). 2. 3.

Genus *Tricholita* Grote

*T. signata* (Walker). 3. 4.

Genus *Ulolonche* Smith

*U. culea* (Guenée). 3. 4.
*U. modesta* (Morrison). 4s.

Subfamily Noctuinae

Tribe Agrotini

Genus *Abagrotis* Smith

*A. alternata* (Grote). 3. 4.
*A. barnesi* (Benjamin). 4s: Northumberland (Presqu’île Provincial Park).
*A. placida* (Grote). 2: Thunder Bay (Geraldton).

Genus *Agrotis* Ochsenheimer

*A. epsilon* (Hufnagel). Black cutworm/ver-gris noir. 2. 3. 4.
*A. mollis* Walker. 3.
*A. obliqua* (Smith). 2. 3. 4.
*A. stigmosa* Morrison. 4.
A. venerabilis Walker. 4.
A. vetusta Walker. 3. 4.
A. volubilis Harvey. 2. 3. 4.

Genus Anaplectoides McDunnough

A. prasina (Denis and Schiffermüler). 2. 3. 4.
A. pressus (Grote). 2. 3. 4.

Genus Aplectoides Butler

A. condita (Guenée). 2. 3.

Genus Cerastis Ochsenheimer


Genus Chersotis Boisduval

C. juncta (Grote). 2: Thunder Bay (Geraldton).

Genus Choephora Grote and Robinson

C. fungorum Grote and Robinson. 4s: Kent (Chatham); Welland (Port Colborne).

Genus Cryptocala Benjamin

C. acadiensis (Bethune). 2. 3. 4.

Tribe Aniclini

Genus Diarsia Hübner

D. dislocata (Smith). 3.
D. freemani Hardwick. 2.
D. jucunda (Walker). 2. 3. 4.
D. rubifera (Grote). 2. 3. 4.

Genus Euagrotis McDunnough

E. forbesi Frackson. 4.
E. illapsa (Walker). 3. 4.
Genus *Eueretagrotis* Smith

*E. attenta* (Grote). 2. 3. 4.
*E. perattenta* (Grote). 2. 3. 4.
*E. sigmoides* (Guenée). 4.

Genus *Eugraphe* Hübner

*E. subrosea* (Stephens) [= *opacifrons* (Grote)]. 2. 3. 4.

Genus *Eurois* Hübner

Generic name is of masculine gender.

*E. astrictus* Morrison. 2. 3. 4.

Genus *Euxoa* Hübner

Subgenus *Longivesica* Hardwick

*E. divergens* (Walker). 2. 3. 4.
*E. messoria* (Harris). Dark-sided cutworm/ver-gris moissonneur. 4.
*E. sinelinea* Hardwick. 2. 3.

Subgenus *Pleonectopoda* Grote

*E. aurulenta* (Smith). 4s: Welland (Port Colborne).
*E. churchillensis* (McDunnough). 1: Kenora (Cape Henrietta Maria).
*E. pleuritica* (Grote). 3. 4.
*E. quebecensis* (Smith). 2. 3.
*E. scandens* (Riley). White cutworm/ver-gris blanc. 2. 3. 4.

Subgenus *Chorizagrotis* Smith

*E. lidia* (Cramer). 4n: Carleton (Ottawa).

Subgenus *Euxoa* Hübner

*E. albipennis* (Grote). 4.
*E. bostoniensis* (Grote). 4.
*E. campestris* (Grote). 3. 4.
*E. comosa* (Morrison) [= *ontario* (Smith)]. 2. 3.
*E. declarata* (Walker). 3. 4.
*E. fumalis* (Grote). 4.
*E. mimallonis* (Grote). 3. 4.
E. obeliscoïdes (Guenée). 4.
E. ochrogaster (Guenée). Red-backed cutworm/ver-gris à dos rouge. 2. 3. 4.
E. scholastica McDunnough. 4.
E. servita (Smith). 3. 4.
E. tessellata (Harris). Striped cutworm/ver-gris rayé. 3. 4.
E. velleripennis (Grote). 4.

Subgenus Orosagrotis Hampson
E. manitobana McDunnough. 4s: Huron (Grand Bend).
E. perpolita (Morrison). 2. 3. 4.
E. ridingsiana (Grote). 2: Thunder Bay (Geraldton).

Genus Feltia Walker
F. geniculata Grote and Robinson. 2. 3. 4.
F. herilis (Grote). 3. 4.
F. jaculifera (Guenée) [= ducens (Walker)]. 3. 4.
F. subgothica (Haworth). Dingy cutworm/ver-gris terne. 4.
F. tricosa (Lintner). 4s.

Genus Graphiphora Ochsenheimer
G. haruspica (Grote). 2. 3. 4.

Genus Hemipachnobia McDunnough
H. monochromatea (Morrison). 2. 4.

Genus Heptagrotis McDunnough
H. phyllophora (Grote). 2. 3. 4.

Genus Loxagrotis McDunnough
L. sp. 4: Manitoulin.

Genus Metalepsis Grote
M. salicarum (Walker). 2. 3. 4.
Genus *Ochropleura* Hübner

*O. fennica* (Tauscher). Black armyworm/légionnaire noire. 2. 3. 4.

*O. plecta* (Linné). 2. 3. 4.

Genus *Paradiarsia* McDunnough

*P. littoralis* (Packard). 2. 3. 4.

Genus *Peridroma* Hübner

*P. saucia* (Hübner). Variegated cutworm/ver-gris panaché. 2. 3. 4.

Genus *Protolampra* McDunnough

*P. brunneicollis* (Grote). 4.

*P. rufipectus* (Morrison). 2. 3. 4.

Genus *Rhynchagrotis* Smith


*R. cupida* (Grote). 2: Thunder Bay (Geraldton).

Genus *Spaelotis* Boisduval

*S. clandestina* (Harris). W-marked cutworm/ver-gris clandestin. 2. 3. 4.

Genus *Ufeus* Grote

*U. satyricus* Grote. 2. 3. 4.

Genus *Xestia* Hübner [= *Anomogyna* Staudinger]

*X. adela* Franclemont. Spotted cutworm/ver-gris tacheté. 2. 3. 4.

*X. atrata* (Morrison). 2. 3.

*X. badicollis* (Grote). 3. 4.

*X. badinodis* (Grote). 4.

*X. bicairea* (Guenée). 3. 4.

*X. bugrai* Kocak. 2. 3. 4.

*X. dilucida* (Morrison). 4s: Frontenac (Perth Road).

*X. dolosa* Franclemont. 4s.

*X. fabulosa* Ferguson. 3: Thunder Bay (Pukaskwa National Park).

*X. normaniana* (Grote). 3. 4.

*X. oblata* (Morrison). 2. 3.

*X. perquiritata* (Morrison). Gray spruce cutworm/phalène grise de l’épinette. 3.

*X. smithii* (Snellen). 2. 3. 4.
X. *speciosa* (Hübner). 2.
X. *tenuicula* (Morrison). 2. 3. 4.
X. *youngii* (Smith). 4.

Subfamily Heliothinae

**Genus *Eutricopis* Morrison**

*E. nexilis* Morrison. 3. 4.

**Genus *Helicoverpa* Hardwick**

*H. zeae* (Boddie). Corn earworm, tomato fruitworm/ver de l'épi du maïs, noctuelle de la tomate. 2. 4.

**Genus *Heliothis* Ochsenheimer**

*H. borealis* (Hampson). 2.
*H. paradoxus* Grote. 4s: Kent (Chatham).
*H. phloxiphagus* Grote and Robinson. 4.
*H. virescens* (Fabricius). Tobacco budworm/phalène verdoyante. 4s: Kent (Chatham).

**Genus *Pyrrhia* Hübner**

*P. exprimens* (Walker). 2. 3. 4.

**Genus *Rhodoecia* Hampson**

*R. aurantiago* (Guenée). 4s: Huron (Grand Bend); Norfolk (Delhi).

**Genus *Schinia* Hübner**

*S. arcigera* (Guenée). 4.
*S. florida* (Guenée). 3. 4.
*S. gloriosa* (Strecker). 4s: Lambton (Pinery Provincial Park).
*S. lynx* (Guenée). 4.
*S. meadi* (Grote). 3: Rainy River (Emo).
*S. nundina* (Drury). 4s: Kent (Chatham).
*S. obscurata* Strecker. 4.
*S. rivulosa* (Guenée). 3. 4.
*S. thoreau* (Grote and Robinson). 4s: Kent (Chatham).
*S. trifascia* Hübner. 4.
ACKNOWLEDGEMENTS

I would like to express sincere thanks to the institutions that made their collections available for the compilation of this list, and to the curators who provided all possible help for the study of their material: the late H. K. Clench (CM), D. M. Davies (McM), T. N. Freeman (then CNC), D. F. Hardwick (then CNC), W. W. Judd (UWO), A. B. Klots (AMNH), J. D. Lafontaine (CNC), W. C. McGuffin (then CNC), G. A. Moore (Lyman College), E. G. Munroe (then CNC), D. H. Pengelly (then UG), W. L. Sippell (FIDS), V. R. Vickery (LEM), A. S. West (QU), and D. M. Wood (then McM). Special thanks are extended to the following people: F. H. Rindge (AMNH), who identified thousands of specimens of Geometridae and Noctuidae collected by the author, and who checked and rechecked the Geometridae section; E. G. Munroe, who provided valuable advice over many years of work connected with this list (the section on the Pyralidae is virtually his); and P. R. Ehrlich, D. D. Murphy, and P. A. Opler for advice and assistance on the Papilionoidea section. Special thanks are extended also to the Lepidoptera section of Biosystematics Research Centre, in particular, J. D. Lafontaine, P. T. Dang, K. Bolte, B. Landry, and J.-F. Landry. They provided recent information on the distribution of Ontario Lepidoptera during the final stages of the preparation of the manuscript (in 1990).

Special acknowledgement must be given to the Department of Entomology, Royal Ontario Museum, especially to curators G. B. Wiggins, and D. Barr for their interested participation in the development of this publication, and for making possible the necessary fieldwork of the author, supported by the following summer student volunteers: I. Smith, P. Hébert, L. Kohalmi, L. Luciuk, and P. Ward. Mrs. E. A. Perry-Easley, my field assistant for summer 1975, provided substantial help in the reorganization of the contents of this list from research and field notes. Nick Tzovolos (ROM) provided new county records and flight periods by researching various publications and by examining recently donated specimens in the ROM collection, and as well provided annotations and editorial work. The maps were produced by Zile Zichmanis and Patricia Stephens-Bourgeault of the ROM Department of Entomology; Figures 2 and 3 are based on maps provided by R. D. James (Department of Ornithology, ROM). Mr. E. R. Fuller (then ROM) deserves special thanks for transforming the entire list from the format of the McDunnough (1938, 1939) checklist to the format of the Moths of North America series. Very substantial editorial and secretarial contributions from Roslyn Darling and Susan Pasch are acknowledged with gratitude. And last but not at all least, very special thanks go to D. C. Darling, Department of Entomology, Royal Ontario Museum, who can very properly be called the spiritus rector of the final version of the checklist.
LITERATURE CITED

ARTHUR, A. P.
1966  The present status of the introduced skipper, Thymelicus lineola (Ochs.) (Lepidoptera: Hesperiidae), in North America and possible methods of control. Canadian Entomologist 98:622–626.

BAKER, A. W.

BENOIT, P., ed.

BETHUNE, C. J. S.

BURNS, J. M.

CANADA DEPARTMENT OF TRANSPORT, METEOROLOGICAL DIVISION

CANADIAN PERMANENT COMMITTEE ON GEOGRAPHICAL NAMES

CHUA, K. E., J. C. E. RIOTTE, and C. GILMORE

CLAYTON, W. J.

D’ABRERA, B.
EHRLICH, P. R.

EHRLICH, P. R. and A. H. EHRLICH

ETSCHBERGER, U. and H. STEINIGER
1983 Systematische Untersuchungen am Pieris napi - bryoniae Komplex (Lepidoptera: Pieridae). Herbipoliana 1(1), 504 pp., 1(2), 601 pp. Published by the authors.

ENGELHARDT, G. P.

FERGUSON, D. C.

FLETCHER, D. S.

FLETCHER, D. S. and I. W. B. NYE

FORBES, W. T. M.
1948 The Lepidoptera of New York and neighboring states. Part II.
Geometridae, Sphingidae, Notodontidae, Lymantriidae. Cornell University Agricultural Experiment Station, Memoir 274:1–263.

1960 The Lepidoptera of New York and neighboring states. Part IV. Agaristidae through Nymphalidae, including butterflies. Cornell University Agricultural Experiment Station, Memoir 371:1–188.

FORSTER, W. and T. WOHLFAHRT

FRANCLEMONT, J. G.

FREEMAN, T. N.

GEIGER, H. J.


GLEN, R.

HEINICKE, W.

HIGGINS, L. G.

HODGES, R. W.

HODGES, R. W., et al., eds.

HOLLAND, W. J.

HÜBNER, J.
1809 Sammlung exotischer Schmettlinge. Augsburg, 1806–1824.

INTERNATIONAL TRUST FOR ZOOLOGICAL NOMENCLATURE
JUDD, W. W.

KLOTS, A. B.

KOHALMI, L. and P. MOENS

LAFONTAINE, J. D.

LAMB, L.
1967 A checklist of Waterloo County Lepidoptera, Papilionoidea. 9 pp. Published by the author, Kitchener.

LAYBERRY, R. A., J. D. LAFONTAINE, and P. W. HALL

MAYR, E.

McDUNNOUGH, J.

McGUFFIN, W. C.

McGUGAN, B. M.
1958 Forest Lepidoptera of Canada recorded by the Forest Insect Survey. Volume I - Papilionidae to Arctiidae. Canada Department of Agriculture, Forest Biology Division, Publication 1034:1-76.


1957 Northward extension in recent years of the lettered sphinx moth. Canadian Field-Naturalist 71:37.


reared at the Ottawa Forest Insect Survey Laboratory from 1937 to 1948. Ottawa, Canada Department of Agriculture, Forest Biology Division. 277 pp.

RINDGE, F. H.

RIOTTE, J. C. E.
1959 Revision of C. J. S. Bethune’s list of the butterflies of the eastern provinces of Canada as far as northern Ontario is concerned. Ontario Field Biologist 13:1–18.
RIOTTE, J. C. E. and R. S. PEIGLER  

ROCKBURNE, E. W. and J. D. LAFONTAINE  

RUPERT, L. R.  

SCOTT, J. A.  

SNYDER, L. L.  

URQUHART, F. A.  

WAGNER, D. L.  

WAGNER, D. L. and N. B. TINDALE  

WALKER, E. M.  

WARD, P. S., R. HARMSEN, and P. D. N. HEBERT  

WARREN, B. C. S.  


WERNY, K.  

WORMINGTON, A.  
**INDEX OF SCIENTIFIC NAMES**

Generic and specific synonyms, preoccupied names, and names for species, subspecies, and forms mentioned in the text are enclosed in square brackets.

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abagrotis Smith</td>
<td>165</td>
</tr>
<tr>
<td>abalienalis (Walker), Hypona</td>
<td>135</td>
</tr>
<tr>
<td>[Abbottana Hulst = Eutrapela Hübner]</td>
<td>95</td>
</tr>
<tr>
<td>abbettii (Swainson), Sphecodina</td>
<td>110</td>
</tr>
<tr>
<td>abditiva Heinrich, Meroptera</td>
<td>61</td>
</tr>
<tr>
<td>Abegesta Munroe</td>
<td>49</td>
</tr>
<tr>
<td>abnaki (Klots), Pediasia</td>
<td>56</td>
</tr>
<tr>
<td>abortivaria (Herrich-Schéffer), Dyspteris</td>
<td>79</td>
</tr>
<tr>
<td>abrasaria (Herrich-Schéffer), Xanthorhoe</td>
<td>75</td>
</tr>
<tr>
<td>Abraxini</td>
<td>79</td>
</tr>
<tr>
<td>Abrostola Ochsenheimer</td>
<td>141</td>
</tr>
<tr>
<td>acerifoliella (Fitch), Paraclemensia</td>
<td>10</td>
</tr>
<tr>
<td>acerni (Clemens), Synanthedon</td>
<td>13</td>
</tr>
<tr>
<td>acerrubri (Engelhardt), Synanthedon</td>
<td>13</td>
</tr>
<tr>
<td>Achalarus Scudder</td>
<td>15</td>
</tr>
<tr>
<td>Achaita Hübner</td>
<td>158</td>
</tr>
<tr>
<td>Achatodes Guenée</td>
<td>148</td>
</tr>
<tr>
<td>achemon (Drury), Eumorphe</td>
<td>110</td>
</tr>
<tr>
<td>Achyra Guenée</td>
<td>51</td>
</tr>
<tr>
<td>Acontia Ochsenheimer</td>
<td>144</td>
</tr>
<tr>
<td>Acontiinae</td>
<td>144</td>
</tr>
<tr>
<td>Acossus Dyar</td>
<td>15</td>
</tr>
<tr>
<td>acrea (Drury), Estigmene</td>
<td>125</td>
</tr>
<tr>
<td>Acrobasis Zeller</td>
<td>59</td>
</tr>
<tr>
<td>Acronicta Ochsenheimer</td>
<td>146</td>
</tr>
<tr>
<td>Acronictinae</td>
<td>146</td>
</tr>
<tr>
<td>acronyctoides (Walker), Panthea</td>
<td>145</td>
</tr>
<tr>
<td>Actias Leach</td>
<td>102</td>
</tr>
<tr>
<td>acutella (Walker), Nascia</td>
<td>50</td>
</tr>
<tr>
<td>Adaina Tutt</td>
<td>65</td>
</tr>
<tr>
<td>adel Franelement, Xestia</td>
<td>166</td>
</tr>
<tr>
<td>Adela Latreille</td>
<td>10</td>
</tr>
<tr>
<td>Adelinae</td>
<td>10</td>
</tr>
<tr>
<td>adipaloides Grote and Robinson, Diacme</td>
<td>53</td>
</tr>
<tr>
<td>Adita Grote</td>
<td>154</td>
</tr>
<tr>
<td>adjuncta (Boisduval), Melanchra</td>
<td>160</td>
</tr>
<tr>
<td>Adonea Clemens</td>
<td>47</td>
</tr>
<tr>
<td>adumbrata (Behr), Drasteria</td>
<td>136</td>
</tr>
<tr>
<td>aedon (Grote), Andropolia</td>
<td>148</td>
</tr>
<tr>
<td>aeglealis (Walker), Herpetogramma</td>
<td>54</td>
</tr>
<tr>
<td>Aellopos Hübner</td>
<td>109</td>
</tr>
<tr>
<td>aemula Hübner, Idia</td>
<td>133</td>
</tr>
<tr>
<td>aemulataria (Walker), Semiothisa</td>
<td>81</td>
</tr>
<tr>
<td>aenescentialis Munroe, Palpita</td>
<td>54</td>
</tr>
<tr>
<td>aenigmatica Heinrich, Pyla</td>
<td>61</td>
</tr>
<tr>
<td>aerata (Fabricius), Synchlora</td>
<td>69</td>
</tr>
<tr>
<td>aerea (Hübner), Allagraphe</td>
<td>141</td>
</tr>
<tr>
<td>aereoides Grote, Diachrysia</td>
<td>141</td>
</tr>
<tr>
<td>aeruginosa (Guenée), Zale</td>
<td>140</td>
</tr>
<tr>
<td>Aethalura McDunnough</td>
<td>83</td>
</tr>
<tr>
<td>Aethiophysa Munroe</td>
<td>50</td>
</tr>
<tr>
<td>affinata Pearsall, Eupithecia</td>
<td>77</td>
</tr>
<tr>
<td>[affirmaria (Walker), Triphosa haesitata]</td>
<td>73</td>
</tr>
<tr>
<td>afflcta Grote, Acronicta</td>
<td>146</td>
</tr>
<tr>
<td>Agaristinae</td>
<td>147</td>
</tr>
<tr>
<td>agitatellus Clemens, Crambus</td>
<td>55</td>
</tr>
<tr>
<td>Aglossa Latreille</td>
<td>57</td>
</tr>
<tr>
<td>Agrapha Hübner</td>
<td>141</td>
</tr>
<tr>
<td>Agriades Hübner</td>
<td>34</td>
</tr>
<tr>
<td>agrilaceella (Packard), Rhaphiptera</td>
<td>55</td>
</tr>
</tbody>
</table>
Agriopodes Hampson  147
Agriphila Hübner  56
Agrius Hübner  104
Agrotini  162
Agrotis Ochsenheimer  162
Alabama Grote  136
[alaskensis Holland, Oeneis jutta]  44
albarufa Grote, Acronicta  146
albata Packard, Clemensia  122
albatella Ragonot, Phycitodes  62
albellus Clemens, Crambus  55
albicornis (Hy. Edwards),
Synanthedon  13
[albicostella Fernald, Donacaula melinella]  54
albidula (Guenée), Lithacodia  144
albifera (Walker), Hydrelia  76
albifrons (J. E. Smith),
Symmerista  117
albinuda (Smith), Lasionycta  160
albipennis (Grote), Euxoa  164
albicapa Packard, Eupithecia  77
[albineata (Packard), Ecliptopera silaceata]  72
albosigma Fitch, Clostera  112
albottitata (Guenée), Trichodezia  76
Albuna Hy. Edwards  12
Alcathoe Hy. Edwards  14
[alcestis (Edwards), Speyeria aphrodite]  37
alciphea Walker, Selenia  91
alcoolaria (Guenée), Plagodis  92
Aletia Hübner  158
algidata (Möschler), Xanthorhoe  75
alia (Guenée), Apamea  148
alias (Ottolengui), Syngrapha  142
alienaria (Herrich-Schäffer),
Probole  92
alienellus (Zincken), Crambus  55
Allagrapha Francelmont  141
Allotria Hübner  138
alleni (Grote), Drasterea  136
allionalis (Walker), Paraponyx  48
alpinella (Busck), Antophila  14
Alsophila Hübner  68
[altantica Munroe, Coryphista meadii]  73
altera (Ottolengui), Syngrapha  142
alternans (Walker), Egira  159
alternata (Grote), Abagrotis  162
alternata (Müller), Epirrhoe  75
alticolalis (Dyar), Acallia  58
Alucita Linne  11
Alucitidae  11
alturina (Smith), Orthosia  161
Alynthia Hübner  147
amanda (Smith), Lithophane  156
amatrix (Hübner), Catocala  139
ambiguus Walker, Lascoria  134
Amblyptilia Hübner  65
Amblyscirtes Scudder  22
americalis (Guenée), Idia  133
americana (Harris), Acronicta  146
[americana Harris, Arctia caja]  127
[americana Harris, Lycaena phlaeas]  29
americana (Guérin-Méneville),
Harrisiona  45
americana (Speyer),
Amphipoea  148
americanaum (Fabricius),
Malacosoma  98
americanum (Harris),
Phylloidesma  97-8
amica (Hübner), Catocala  139
[amica (Edwards), Plebeius saepiolus]  33
amicaria (Herrich-Schäffer),
Probole  92
amitoria (Guenée), Ematurga  83
Amolita Grote  148
amorata Packard, Callizza  95
Amorpha Hübner  108
Amphion Hübner  110
Amphipoea Billberg  148
Amphipyra Ochsenheimer  148
Amphipyrinae  148
ampla (Walker), Autographa  141
amplexella Ragonot, Acrobasis  59
amputatrix (Fitch), Apamea  148
Amyna Guenée  144
amyntor (Geyer), Ceratonia  104
amyntula (Boisdouval), Everes  32
amyrisaria (Walker),
Metarranthis  91
Anacampitodes McDunnough  83
Anagasta Heinrich  63
Anageshna Munroe  53
Anagoga Hübner  92
Anagogini  91
Anagraphe McDunnough  141
Anania Hübner  51
Anaplectoides McDunnough  163
Anarta Ochsenheimer  158
anartalis (Grote), Loxostege  52
Anartomima Boursin  159
anataria (Swett), Itame  80
Anathix Franclemont 154
Anavitrinella McDunnough 84
ancellata (Hulst), Scopula 71
anceps (Stephens), Platypolia 157
anchoceiloïdes (Guenée), Rhynchagrotis 166
[anocisconensis (Morrison), Hyppa] 151
Anayloniinae 54
Ancoxypha Felder 18
andersoni (Swett), Itame 80
andremona (Cramer), Hypoclena 137
Androlopa Grote 147
Andropolia Grote 148
[Anepia Hampson = Hadena Schrank] 159
angelica (Grote), Oficloecosta 96
Angeronini 87
anguina (Grote), Lacinipolia 159
anguina (J. E. Smith), Dasylophia 117
angulalis (Hübner), Palthis 134
angulella Ely, Eurythmia 63
angulifera (Walker), Callosamia 102
angulosa (J. E. Smith), Peridea 114-5
anguellula Grote, Acrobasia 59
angusii Grote and Robinson, Datana 113
angustiorata Walker, Caripeta 93
Anhimella McDunnough 159
Anieleni 163
anilis (Drury), Argyrostritis 138
Anisota Hübner 100
anna (Grote), Grammia 128
annulata (Hulst), Eupithecia 77
anodonta (Guenée), Conservula 150
Anomis Hübner 136
[Anomogyna Staudinger = Xestia Hübner] 166
Anorthodes Smith 148
antennata (Walker), Lithophane 156
Antepione Packard 95
Anterasia Sugi 147
anthesd (A. H. Clark), Enodia 42
Antheraea Hübner 101
Anthocharinæ 26
anticaria Walker, Eupithecia 77
Anticarsia Hübner 136
Anticlea Stephens 74
antinympha (Hübner), Catocala 139
antipoa (Linné), Nymphalis 35
antiqua (Linné), Orgyia 132
Antopila Haworth 14
Apamea Ochsenheimer 148
apamiformis (Guenée), Apamea 148
Apantesis Harris 127
Apateolodes Packard 96
Apateolidae 96
Apaturini 42
Apharea Grote 154
Aphonia Hübner 59
aphrodite (Fabricius), Speyeria 37
apiata (Grote), Epiglaea 155
apicalis (Grote and Robinson), Schizura 119
apicalis (Walker), Clostera 113
[Apia Guenée = Eusarca Hübner] 94
apiciaria (Packard), Metarrhantis 91
apicosa (Haworth), Homophoberia 144
aplastella (Hulst), Tetralophia 58
Aplectoides Butler 163
Apoda Haworth 46
Apodrepanulatrix Rindge 87
Apomyelois Heinrich 60
appalachia (R. L. Chermock), Sathyrodes 42
appassionata (Harvey), Paipaima 153
approximella (Walker), Peoria 63
aprica (Hübner), Aconti 144
[aquilo auct., Agriades] 34
[aquilonaris (Lintner), Furcula scolopendrina] 121
Archana Walker 149
Archiearinae 68
Archiheus Hübner 68
archippus (Cramer), Limenitis 41
arcigera (Guenée), Schinia 167
Arctia Schrank 127
Arctiidae 121
Arctiinae 123
Arctiini 123
Arctivoren Hampsom, Papaijma 153
arcuata Walker, Drepana 67
Arequipa Walker 55
arge (Drury), Grammia 128
argentemaculatus (Harris), Sthenopis 9
argillacea (Hübner), Alabama 136
argillacearia (Packard), Itame 80
argillacea (Packard), Raphiptera 55
<table>
<thead>
<tr>
<th>Species</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argynninae</td>
<td>37</td>
</tr>
<tr>
<td>Argyraetini</td>
<td>48</td>
</tr>
<tr>
<td>Argyria Hübner</td>
<td>56</td>
</tr>
<tr>
<td>Argyrini</td>
<td>56</td>
</tr>
<tr>
<td>[argyrognomon (Bergsträsser), Lycaenidae]</td>
<td>33</td>
</tr>
<tr>
<td>Argyrogramma Hübner</td>
<td>141</td>
</tr>
<tr>
<td>Argyrostreis Hübner</td>
<td>138</td>
</tr>
<tr>
<td>armataria (Herrich-Schäffer)</td>
<td></td>
</tr>
<tr>
<td>Cepheis</td>
<td></td>
</tr>
<tr>
<td>arsaliensis (Walker), Palpita</td>
<td>54</td>
</tr>
<tr>
<td>Arta Grote</td>
<td>58</td>
</tr>
<tr>
<td>artesta (Smith), Trichoclea</td>
<td>162</td>
</tr>
<tr>
<td>arthemis (Drury), Limenitis</td>
<td>41</td>
</tr>
<tr>
<td>Ascalapha Hübner</td>
<td>136</td>
</tr>
<tr>
<td>[ascerta Masters and Sorensen, Oeneis jutta]</td>
<td>44</td>
</tr>
<tr>
<td>Ascia Scopoli</td>
<td>25</td>
</tr>
<tr>
<td>asilipennis (Boisduval)</td>
<td></td>
</tr>
<tr>
<td>Paranthrene</td>
<td>12</td>
</tr>
<tr>
<td>asopialis (Guéneé), Palthis</td>
<td>134</td>
</tr>
<tr>
<td>asperatella (Clemens), Tetralopa</td>
<td>58</td>
</tr>
<tr>
<td>Aspilates Treitschke</td>
<td>87</td>
</tr>
<tr>
<td>assimilans Walker, Phragmatobia</td>
<td>126</td>
</tr>
<tr>
<td>assimilis (Morrison), Melanchra</td>
<td>160</td>
</tr>
<tr>
<td>Astila Davis</td>
<td>11</td>
</tr>
<tr>
<td>[asterius Stoll, Papilio polyxenes]</td>
<td>24</td>
</tr>
<tr>
<td>Astartocampa Röber</td>
<td>42</td>
</tr>
<tr>
<td>asteroides Guéneé, Cucullia</td>
<td>155</td>
</tr>
<tr>
<td>Asthenia</td>
<td>76</td>
</tr>
<tr>
<td>asstrictus Morrison, Eurois</td>
<td>164</td>
</tr>
<tr>
<td>astuta Bird, Papaipema</td>
<td>153</td>
</tr>
<tr>
<td>[astyanax (Fabricius), Limenitis artemis]</td>
<td>41</td>
</tr>
<tr>
<td>atlantica (Linne), Vanessa</td>
<td>36</td>
</tr>
<tr>
<td>Atalopedes Scudder</td>
<td>20</td>
</tr>
<tr>
<td>[athasaria (Walker), Lambdina fervidaria]</td>
<td>93</td>
</tr>
<tr>
<td>Athetis Hübner</td>
<td>149</td>
</tr>
<tr>
<td>atlantica (Grote), Lacanobia</td>
<td>159</td>
</tr>
<tr>
<td>[atlantica Munroe, Caryplusia meadí]</td>
<td>73</td>
</tr>
<tr>
<td>atlantis (Edwards), Speyeria</td>
<td>37</td>
</tr>
<tr>
<td>atomaria Smith, Hyphenia</td>
<td>135</td>
</tr>
<tr>
<td>atomaris Hübner, Phoberia</td>
<td>137</td>
</tr>
<tr>
<td>atomcellus Dyar, Yponomeuta</td>
<td>12</td>
</tr>
<tr>
<td>atrata (Morrison), Xestia</td>
<td>166</td>
</tr>
<tr>
<td>[atrocostalis (Huard), Boloria selene]</td>
<td>39</td>
</tr>
<tr>
<td>atrullitata (Walker), Cladara</td>
<td>79</td>
</tr>
<tr>
<td>atropunctata (Packard), Tacparia</td>
<td>90</td>
</tr>
<tr>
<td>Atrytone Scudder</td>
<td>21</td>
</tr>
</tbody>
</table>

**B**

<table>
<thead>
<tr>
<th>Species</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atrytonopsis Godman</td>
<td>22</td>
</tr>
<tr>
<td>Attacini</td>
<td>102</td>
</tr>
<tr>
<td>attenta (Grote), Eueretagrotis</td>
<td>164</td>
</tr>
<tr>
<td>Ateva Walker</td>
<td>11</td>
</tr>
<tr>
<td>augusttorata (Walker), Caripeta</td>
<td>93</td>
</tr>
<tr>
<td>augustus (Kirby), Incisalia</td>
<td>30</td>
</tr>
<tr>
<td>aurantiaca (Hübner), Holomelina</td>
<td>123-4</td>
</tr>
<tr>
<td>aurantiago Guénéé, Rhodocia</td>
<td>167</td>
</tr>
<tr>
<td>aurata (Packard), Entephría</td>
<td>74</td>
</tr>
<tr>
<td>auratella (Clemens), Váxi</td>
<td>57</td>
</tr>
<tr>
<td>auratus Grote, Sthenosipus</td>
<td>9</td>
</tr>
<tr>
<td>[aurea Fitch, Atteva]</td>
<td>11</td>
</tr>
<tr>
<td>[aureopurpure (Hy. Edwards), Carmenta]</td>
<td>13</td>
</tr>
<tr>
<td>auricinctaria Grote, Melanomma</td>
<td>137</td>
</tr>
<tr>
<td>auricrinella (Walshingham), Epimartyria</td>
<td>9</td>
</tr>
<tr>
<td>aurora (J. E. Smith), Hyarpax</td>
<td>120</td>
</tr>
<tr>
<td>aurorella Ely, Acrobasis</td>
<td>59</td>
</tr>
<tr>
<td>aurulenta (Smith), Euxoa</td>
<td>164</td>
</tr>
<tr>
<td>ausonides (Lucas), Euchloe</td>
<td>26</td>
</tr>
<tr>
<td>australis (Grote), Baileya</td>
<td>143</td>
</tr>
<tr>
<td>Autographa Hübner</td>
<td>141</td>
</tr>
<tr>
<td>Automeris Hübner</td>
<td>101</td>
</tr>
<tr>
<td>autumnata (Borkhausen), Epirrita</td>
<td>77</td>
</tr>
<tr>
<td>avimacula Hudson, Gluphisia</td>
<td>116</td>
</tr>
<tr>
<td>aweme (Lyman), Papaipema</td>
<td>153</td>
</tr>
<tr>
<td>awemellus McDunnough, Crambus</td>
<td>55</td>
</tr>
<tr>
<td>Azelinini</td>
<td>89</td>
</tr>
</tbody>
</table>

**B**

<table>
<thead>
<tr>
<th>Species</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>bachmannii (Kirtland), Libytheana</td>
<td>34</td>
</tr>
<tr>
<td>badia (Packard), Schizura</td>
<td>119</td>
</tr>
<tr>
<td>badia (Hübner), Prolimacodes</td>
<td>46</td>
</tr>
<tr>
<td>badicollis (Grote), Xestia</td>
<td>166</td>
</tr>
<tr>
<td>badinodis (Grote), Xestia</td>
<td>166</td>
</tr>
<tr>
<td>badistriga (Grote), Homohadena</td>
<td>156</td>
</tr>
<tr>
<td>badiusalis (Walker), Paraponyx</td>
<td>48</td>
</tr>
<tr>
<td>Baileya Grote</td>
<td>143</td>
</tr>
<tr>
<td>baileyi Grote, Lithophane</td>
<td>156</td>
</tr>
<tr>
<td>balluca (Geyer), Diaçhrisia</td>
<td>141</td>
</tr>
<tr>
<td>Balsa Walker</td>
<td>149</td>
</tr>
<tr>
<td>baltimoralis (Guénéé), Hypena</td>
<td>135</td>
</tr>
<tr>
<td>banksianae Ferguson, Semiothisa</td>
<td>81</td>
</tr>
<tr>
<td>banksiella Mutuura, Monroe and Ross, Dioryctria</td>
<td>61</td>
</tr>
</tbody>
</table>
Baptini 86

baptisiae (Forbes), Erynnis 16
baptisiella Fernald, Tetralopha 58
barnesi (Benjamin), Abagrotis 162
basaliatum (Walker), Perizoma 74
basalis Walker, Scoparia 47
basalis Walker, Marathyssa 143
basiflava (Packard), Dasychira 131
basilaris Zeller, Nephopterix 61
basistriga (Walker), Peridea 115
bassiformis (Walker), Carmenta 13
batesii (Reakirt), Phyciodes 39
battus Scopoli 23
bella (Linné), Utetheisa 123
bellicula Hübner, Lithacodia 144
bellona (Fabricius), Boloria 38
benesimilis McDunnough, Euplexia 81
besma Capps 93
bethunei (Grote and Robinson), Lithophane 156
betularius (Linné), Biston 85-6
betulella Hulst, Acrobasis 59
bicolor (Grote), Eilema 121
bicolor (Harris), Sphingicampa 99
bicolorago (Guenee), Sunira 158
bicolorata (Fabricius), Pyrausta 52
bicolorata (Fabricius), Semiothisa 81
bidens Zeller, Crambus 55
bidentata Walker, Nerice 116
bifacialis (Robinson), Petrophila 48
biguttata Packard, Apoda 46
biguttellus (Forbes), Microcrambus 56
bijugalis (Walker), Hypena 135
bilineatus (Packard), Lochmaeus 118
bilinea (Packard), Drepana 67
biloba (Stephens), Autographa 141
bimacula (Grote and Robinson), Euphyes 21
bimaculata (Stephens), Autographa 141
binocula (Grote), Tarachidia 145
biplagialis Walker, Scoparia 47
[biseriata (Packard), Eudeilinia] 67
bisignata (Walker), Semiothisa 81

Biston Leach 85
Bistonini 85
bistriaria Hübner, Nemoria 69
bistriaris Hübner, Parallela 140
bistriatella (Hulst), Apomyelois 60
bitactata (Walker), Itame 80
biundata Walker, Heterocampa 118
bivittata (Grote), Macrochilo 134
blandula Hulst, Catocala 139
Blepharita Hampson 154
Blepharomastix Lederer 53
Bleptena Guéné 133
Boarmii 83
[boidyli (Duponchel), Boloria titania] 39
Boloria Moore 38
bolteri (Hy. Edwards), Synanthedon 13
Bombycoida 96
bombycoides Walker, Lapara 107
[Bomolocha Hübner = Hypena Schrank] 135
borealis (Hampson), Heliothis 167
borealis (Hulst), Cabera 87
[borealis Packard, Pyrausta] 52
borealis (Smith), Brachionycha 154
borealis (Guérin-Ménéville), Furcula 120
bostoniensis (Grote), Euxoa 164
bowmani Cassino and Swett, Eupithecia 77
Brachionycha Hübner 154
Brachylomia Hübner 155
bradorata McDunnough, Eupithecia 77
[bradorata (Munroe), Entephria polata] 74
brephoides (Walker), Leucobrephe 68
bridghami (Grote and Robinson), Oligia 152
briseis Edwards, Catocala 139
brizo (Boisduval and LeConte), Erynnis 16
broweri Heinrich, Manhatta 63
bruceata (Hulst), Operophtera 77
brucei (Hy. Edwards), Clostera 113, 124
brunneata (Thunberg), Itame 80
brunneicollis (Grote), Protolampra 166
bugrai Kocak, Xestia 166
buscki McDunnough, Geina 64
Cabera Treitschke 87
Caberini 87
cachexiata Guenée, Tetracis 94
cacuminaria (Morrison), Scopula 71
Cadra Walker 63
caducus Dyar, Hyponodes 135
[caecalis (Walker), Gesneria centuriella] 47
caecalis Zeller, Perispasta 51
Caenurgina McDunnough 138
[caesonia (Grote), Tortricidae] 45
caja (Linné), Arctia 127
[caalis (Scudder), Oeneis chryxus] 44
calami (Harvey), Cosmia 150
calanus (Hübner), Satyrium 29
californicum (Packard), Malacosoma 98
caliginosellus Clemens, Crambus 55
[Callarctica Packard = Arctia Schrank] 127
Calledapteryx Grote 95
Callimorphini 123
Callizona Packard 95
Callopistria Hiibner 149
Callosamia Packard 102
Caloreas Heppner 14
calycanthata (J. E. Smith), Zale 140
Calyptra Ochsenheimer 136
cambria Curtis, Venusia 76
Campaea Lamarck 89
Campaeini 89
campestris (Boisduval), Atolopodes 20
[campestris (Behr), Phyciodes] 39
canadaria (Guenée), Melanophila 85
[canadensis Bethune, Calyptra 136
canadensis Boisduval, Sphinx 105
[canadensis McDunnough, Cerura] 121
[canadensis Munroe], Petrophila 48
[canadensis Rothschild and Jordan, Papilio glaucus] 23
Canarsia Hulst 62
caneficta (Hübner), Tarachidia 145
canicosta Franclemont, Symmerista 117
caniplaga (Walker), Elida 116
canosaria (Walker), Nepyria 94
Capis Grote 136
Capperia Tutt 64
cappaialis (Hübner), Aglossa 57
capularis (Guenée), Hadena 159
cara Guenée, Catocala 139
Caradina Ochsenheimer 150
cardsinalis Guenée, Bleptina 133
[carbonifera Hampson, Polia] 161
cardui (Linné), Vanessa 36
carduidactyla (Riley), Platyptilia 65
cariosa (Guenée), Apamea 148
Caripeta Walker 93
Carmenta Hy. Edwards 13
carneella Hulst, Nephopteryx 61
carneicosta Guenée, Panopoda 137
carnella (Guenée), Lithacodia 145
carnosa (Grote), Psectraglæa 157
carolina Kearlott, Stenoptilodes 65
Carsi Hübner 78
Carterocephalus Lederer 17
caryae Grote, Acroasis 59
caryae Harris, Lophocampa 130
caryaevorum (McDunnough), Satyrium 30
caryivorella Ragonot, Acerasis 59
casta (Packard), Crambidia 121
casta (Pallas), Psyche 11
[castigata (Hübner), Eupithecia subfusca] 78
Catabena Walker 150
catalae (Boisduval), Ceratonia 104-5
cataphracta (Grote), Papaiomma 153
catamornina (Cramer), Cingilia 93-4
Catocala Schrank 139
Catocalinae 138
Catoptria Hübner 56
catullus (Fabricius), Pholisora 17
caudata (Harris), Alcathoe 14
caudellella Dyar, Saraia 62
cautella (Walker), Cadra 63
cecropia (Linné), Hyalophora 103
Celaena Stephens 150
[Celama Walker = Nola Leach] 144
Celastrina Tutt 32-3
celia (Saunders), Grammia 128
Celiptera Guenée 140
celitella (Hulst), Nephopteryx 61
celtis (Boisduval and LeConte), Asterocampa 42
centaureae (Rambur), Pyrgus 17
centerensis (Lintner), Acosmus 15
centrostrigaria (Wollaston), Orthonama 76
centuriella (Denis and Schiffermüller), Gesneria 47
cephalonica (Stainton), Corcyra 59
Cepphis Hübner 92
Cerastis Ochsenheimer 163
cerata Franclemont, Chaetaglaea 155
Ceratonia Harris 104
Cercyonis Scudder 43
cerintha (Treitschke), Cerma 150
cerisyi Kirby, Smerinthus 107
Cerma Hiibner 150
cerogama Guenee, Catocala 139
ceromatica (Grote), Pyreferra 157
cerami (Grote), Papaipema 153
Cerura Schrank 121
Cerurinae 120
[cervinifascia (Walker), Dysstroma hersiliata] 72
cesionia (Stoll), Zerene 27
Chaetaglaea Franclemont 155
chagoni Barnes and McDunnough, Xylomoia 154
Chalcoela Zeller 50
Charadra Walker 145
Charaxinae 42
Charidryas Scudder 40
chersis (Hübner), Sphinx 105
Chersotis Boisduval 163
Chiliini 57
Chilo Zincken 57
chionanthi (J. E. Smith), Adita 154
[chippewa Edwards, Colias palaeno] 26
chiridotum Grote, Lacosoma 96
Chlorochlamys Hulst 69
chloroleucaria (Guenée), Chlorochlamys 69
chlorostigma (Harvey), Oligia 152
[Chlosyne auct. = Charidryas Scudder] 40
Choeophora Grote and Robinson 163
Choerocampini 111
Choreutidae 14
Choreutinae 14
Choreutis Hübner 14
[Chorizagrosis Smith] 164
chortalis (Grote), Sitotrocha 52
Chrysanympha Grote 141
Chrysauginae 58
Chysoteuchia Hübner 55
chryxus (Doubleday and Hewitson), Oeneis 44
Chysolita Grote 133
Chytionix Grote 150
churchillensis (McDunnough), Euxoa 164
Cicinminus Blanchard 96
cilicoides (Grote), Nola 144
cimicifugata Pearseil, Eupithecia 77
cinerea (Walker), Furcula 120
cinereana (Neumoegen and Dyar), Nycteola 143
[cinereofrons (Packard), Schizura] 119
cinereola (Guenée), Ogoconata 152
cinereomedia Dyar, Scoparia 48
cineritia (Grote), Xylena 158
[cinerosa Grote, Lithophane] 156
Cingilia Walker 93
Cingilini 93
cingulatus (Fabricius), Agius 104
cingulifera (Walker), Zale 140
Cirrophanus Grote 150
Cisseps Franclemont 131
Cissus Walker 136
Cisthene Walker 122
Citheroniinae 99
citrita (Linne), Dysstroma 71
citromba Franclemont, Pyreferra 157
Cladara Hulst 79
clandestina (Harris), Spaelotis 166
clarecens Guenée, Acronicta 146
[clarki (Freeman), Incisalia niphon] 31
clarus (Cramer), Eupargyreus 15
claudia (Cramer), Euptoieta 37
clemataria (J. E. Smith), Eutrapela 95
Clemensia Packard 122
Cleora Curtis 84
clethrae Dyar, Nola 144
clintonii Grote, Catocala 139
Clostera Samouelle 112
clymene (Brown), Haploa 123
clyton (Boisduval and LeConte), Asterocampa 42
[coagulata Guenée, Eupithecia] 77
cocinata Grote, Catocala 139
Cochliidiini 45
coelebs Grote, Catocala 139
coenia (Hübner), Junonia 37
Coenochoa Ragonot 63
Coenoymphina Hübner 43
Coenoymphini 43
cogitata (Smith), Apamea 148
[cognatarius (Guenee), Biston betularius] 86
Coliidae 26
Colias Fabricius 26
Colobochyla Hübner 136
Colocasia Hampson 145
colona Hübner, Haploa 123
coloradensis Fernald, Stenoptilia 65
coloradensis (Hulst), Eupithecia 78
coloraria (Fabricius), Erastria 87
columbia (S. I. Smith),
Hyalophora 103
columbiata (Dyar), Eupithecia 78
coma (Harris), Polygonia 34
coma (Linné), Hesperia 19
commixtalis (Walker), Loxostege 52
commoda (Walker), Apamea 148
commoides Gueneé, Leucania 160
communis (Grote), Pyrgus 17
comosa Morrison, Euxoa 164
compressipalpis Gueneé,
Plusiodonta 138
comptaria (Walker), Venusia 76
comptiella (Hulst), Acrobasis 59
comptulatalis (Hulst), Occidentalia 57
comstocki Grote, Feralia 155
comynias (Godart), Everes 32
concinna (J. E. Smith),
Schizura 119
concinnimacula (Gueneé),
Malintha 145
concumbens Walker, Catocala 139
condensata (Walker), Hydrelia 76
Condica Walker 150
condita (Gueneé), Aplectoides 163
Condylostoma Grote 58
confederata (Grote and Robinson),
Astala 11
confusa (Hübner), Morrisonia 160
confusa (Lymann), Haploa 123
confusaria (Hübner), Eusarca 94
congermana (Morrison),
Sideridis 161
congruum Walker, Spilosoma 125
coniella (Ragonot), Myelopsis 60
connecta Grote, Acronicta 146
connubialis Gueneé, Catocala 139
Conservula Grote 150
consobrinella (Zeller),
Glyptocera 60
conspicua (Edwards), Euphyes 21
contacita (Walker), Andropolia 148
contexta (Grote), Plusia 142
contigua (Walker), Haploa 123
contracta Walker, Datana 113
contractata (Packard), Thera 73
contraentris Walker, Anhimella 159
convergaria (Walker), Eufidia 85
convexipennis Grote and Robinson,
Cucullia 155
convolutella (Hübner), Zophodia 62
cootaria (Hulst), Itame 80
Copivaleria Grote 155
Copromorphoidea 11
cora Hübner, Cerma 150
coras (Cramer), Polites 19
Corcyra Ragonot 59
cordata (Ljungh), Callopistria 149
cordigera (Thunberg), Anarta 158
cori (Hy. Edwards), Carmenta 13
Coryphista Hulst 73
Cosmia Ochsenheimer 150
Cossidae 14
Cossinaria 14
Cossioidea 14
costalis (Fabricius), Hypsopygia 57
costa Barnes and Benjamin,
Properigia 157
costiferalis Walker, Pyralis 57
Cosymbiini 70
[couperi Grote, Glauropsyche
lygdamus] 33
Crambidia Packard 121
Crambiformes 47
Crambinae 54
Crambini 55
Crambodes Gueneé 151
Crambus Fabricius 55
crassiuscula (Haworth),
Caenurgina 138
crataegi Saunders, Catocala 139
crinalata (Butler), Orthodes 160
crepuscularia (Denis and
Schiiffermüller), Ectrops 84
cresphontes Cramer, Papilio 23
[Cressonia Grote and Robinson =
Amorpha Hübner] 108
cretaceata (Packard), Eupithecia 78
cretidactylus (Fitch),
Oidaematophrus 65
cristata Morrison,
Homophoberia 144
cristifera (Walker), Papesra 161
crítica Forbes, Urola 57
crocallata Gueneé, Tetracs 94
Crocidophora Lederer 51
Crocidographe Grote 159
discivaria (Walker), Parastichtis 157
discclusa Heinrich, Dioryctria 61
discoidalis (Kirby), Erebia 44
discospilata (Walker), Eufidonia 85
dislocaria (Packard), Enconista 82
dislocata (Smith), Diarsia 163
dispar (Linne), Lymantria 133
disposita Morrison, Lithophane 156
[dissectus (Walker), Semiothisa signaria] 82
[dispunctata (Walker), Crambus alienellus] 55
disstria (Hübner), Malacosoma 98
distans (Grote), Acronicta 146
distincta Hübner, Achatia 158
Dityria 11
diversens (Walker), Euxoa 164
diversicolor (Morrison), Meropleon 152
diversilineata (Hübner), Eulithis 72
divisia (Walker), Hydriomena 73
divisata Walker, Caripeta 93
Dolba Walker 104
dolosa Franclemont, Xestia 166
dolosa Grote, Egira 159
Donacauly Meyrick 54
dorcas (Kirby), Lycaena 28
doris (Boisdual), Grammia 128
dormitans (Guenée), Baileya 143
dorsipennata (Barnes and McDunnough), Dasychira 131
dorsipunctella (Kearfott), Pediasia 56
doubledayi (Guenée), Baileya 143
Drasteria Hübner 136
Drepana Schrank 67
Drepanidae 67
Drepaninae 67
Drepanoidea 66
drexelii Hy. Edwards, Datana 113
drupiferarum J. E. Smith, Sphinx 105
[drusius (Edwards), Charidryas nycteis] 40
Dryocampa Harris 99
dryopterata Grote, Calledapteryx 95
duaria (Guenée), Metarrhanitis 91
dubium Walker, Spilosoma 125
dubitans (Walker), Apamea 148
[duzens (Walker), Feltia] 165
dukesi (Lindsey), Euphyes 22
duovata (Bird), Papaipeema 153
duplicata (Bethune), Zale 140
Dyspteris Hübner 79
Dyspyralis Warren 133
Dysstroma Hübner 71
E
Eacles Hübner 99
[Earophila Gumppenberg = Anticlea Stephens] 74
Ecliptoptera Warren 72
Ecpantheria Hübner 126
Ectoedemia Busck 10
Ectropis Hübner 84
edicalis (Walker), Hypena 135
edmandsii (Packard), Vitula 62
eductalis (Walker), Lomanaltes 134
edwardsii (Beutenmüller), Penstemonia 14
edwardsii (Fish), Stenoptilodes 65
edwardsii (Grote and Robinson), Satyrium 30
effecta (Walker), Euchlaena 88
egeremet (Scudder), Wallengrenia 20
Egira Duponchel 159
egle (Drury), Euchaetes 130
Eilema Hübner 121
ekthlipsis (Grote), Nymphula 48
Elaphria Hübner 151
electilis (Morrison), Psaphida 157
elegans (Clemens), Microcrambus 56
elegans (Packard), Packardia 46
elegans (Strecker), Odontosia 115
Ellida Grote 116
elliottii (Fernald), Oidaematophorus 65
ello (Linne), Erinnyis 109
elonympha (Hübner), Allotria 138
elutella (Hübner), Ephestia 63
Elymniiinae 42
Ematurga Lederer 83
Emmelina Tutt 65
Enargia Hübner 151
Enconista Lederer 82
endopiaria (Grote and Robinson), Besma 93
engeli (Dyar), Salebriaria 60
[engeli Chemrock and Chemrock, Ceratomia] 105
[enigmata (Burns and McDunnough), Itame coortaria] 80
Ennominae 79
Ennomini 89
Ennomos Treitschke 89
Enodia Hübner 42
Entephria Hübner 74
Enthea Grote, Fishia 156
Eoparargyractus Lange 49
Eosphoropteryx Dyar 142
Epargyreus Hübner 15
Epelis Hulst 81
Ephesia Guenee 63
Ephesiodes Ragonot 62
ephyria (Walker), Anacampiotes 83
epigaea (Grote), Syngrapha 142
Epiglaea Grote 155
Epimartyria Walshingham 9
Epimecis Hübner 85
epimenis (Drury), Psychomorpha 147
epine (Drury), Catocala 139
Epipaschia Clemens 58
Epipaschiinae 58
Epiplemidae 95
Epiphron Hulst 81
Ephestia Guenee 63
Ephestiodes Ragonot 85
ephyria (Walker), Anacampiotes 83
epigaea (Grote), Syngrapha 142
Epiglaea Grote 155
Epimartyria Walshingham 9
Epimecis Hübner 85
epimenis (Drury), Psychomorpha 147
epine (Drury), Catocala 139
Epipaschia Clemens 58
Epipaschiinae 58
Epiplemidae 95
Epiphron Hulst 81
Ephestia Guenee 63
Ephestiodes Ragonot 85
[Euxoa Hübner] 164
Euzophera Zeller 62
Evagaria (Hulst), Itame 80
evansi (McDunnough), Capperia 64
evansi (McDunnough),
Orthonama 76
Everes Hübner 32
Evergestinae 50
Everestis Hübner 50
Everini 32
evicia (Grote), Morrisonia 160
exauspicata (Walker), Itame 80
excaecata (J. E. Smith),
Paonias 107
exitiosa (Say), Synanthedon 13
exhausta (Smith), Oligia 152
exigua (Hübner), Spodoptera 154
Exoporia 9
expandens (Walker), Tetralopha 59
explanata (Walker), Eulithis 72
exprimens (Walker), Pyrrhia 167
[exultrix (Grote),
Pseudothyatira] 66
extensa (Smith), Apamea 148
extimia (Walker), Caradrina 150
extricalis Guenée, Nealgedonia 51
Exyra Grote 144

F

fabulosa Ferguson, Xestia 166
factualis (Walker), Renia 135
faddus (Cramer), Aellopos 109
fagina Morrison, Lithophane 156
Fagiiana Walker 151
[falacer (Godart), Satyrium
calanus] 29
falcifera (Kirby), Anagraphe 141
fallax (Herrich-Schäffer),
Agriopesdes 147
farinalis (Linné), Pyralis 57
Faronta Smith 159
fasciata (Sulzer), Eumorpha 110
fasciola (Herrich-Schäffer),
Lithacodes 46
faulalis (Walker), Munroessa 48
faunus (Edwards), Polygonia 34
feltella Dyar, Acrobasis 59
Feltia Walker 165
Feniseca Grote 28
fennica (Tauscher), Ochropleura 166
Feralia Grote 155
feralid (Ragonot), Nephopterix 61
[ferrealis Grote, Lithophane] 156
ferrugata (Clerk), Xanthorhoe 75
ferruginea (Packard), Peridea 115
ferruginosa (Walker),
Holomelina 124
ferruminaria (Zeller), Leptostael 71
fervidaria Herrich-Schäffer,
Plagodis 92
fervidaria (Hübner), Lambdina 93
fessa Grote, Amolita 148
festivoides (Guenée), Elaphra 151
figulilella (Gregson), Cadra 63
figurata (Drury), Grammia 128
[filamentaria Guenée,
Nematocampa] 95
finitella (Walker), Tulsa 61
finitima Guenée, Apamea 148
finlaysoni Riotte, Anisosa 100
fiscellaria (Guenée), Lambdina 93
Fishia Grote 156
fishii (Grote), Metaletes 165
Fissicrambus Bleszynski 56
fissinotata (Walker), Semiothisa 81
flagellum (Walker), Autographa 141
flava (Fabricius), Anomis 136
flavicaria (Packard), Itame 80
flavicorns (Smith), Calocasia 145
flavidalis (Guenée),
Polygrammodes 54
flavipunctalis (Geyer), Renia 135
flavivenata (Hulst), Orthofidonia 83
flavo fasciatus (Walker),
Proserpinus 111
fletcherata Taylor, Eupithecia 78
[fletcheri (Michener and dos Passos),
Satyrium liparops] 30
flexus (Grote), Tortricidia 45
florea Guenée, Cucullia 155
florida (Guenée), Schinia 167
floridens B. P. Clark,
Amphion 110
[floridus Zeller, Crambus
cascuellus] 55
fodinalis (Lederer), Pyrausta 52
forbesellus (Fernald), Thopeutis 57
forbesi Franeclmont, Euagrotis 163
forbesi (French), Idia 133
formosa (Grote),
Chrysanymphma 141
formosalis Walker, Nigetta 145
fractilinae (Grote), Oligia 135
fractilina (Smith), Hyponodes 152
fragilis (Guenée), Acronicta 146
Framinghamia Strand 54
franklinii (Curtis), Agriades 34
frater Grote, Raphia 145
fraxini (Hy. Edwards), Albuna 12
freemani Hardwick, Diarsia 163
freija (Thunberg), Boloria 38
frigga (Thunberg), Boloria 38-9
frigida (Smith), Papaipema 153
frigidana (Walker), Nycteola 143
frigidaria (Möschler), Scopula 71
friillardia (Guêné),
Homochlodes 90
frustulum Guêné, Celiptera 140
fucosid (Hiibner), Hypoprepia 122
fulicalis (Clemens), Petrophila 48
fuliginosa (Linne), Phragmatobia 126-7
fuliginosalis (Fernald), Lipocosmodes 50
fulvicollis (Hübner), Cisseps 131
fulvipes (Harris), Synanthedon 13
fumalis (Hiibner), Euxoa 164
fumalis (Guêné), Fumibotys 51
fumata Taylor, Eupithecia 78
Fumibotys Munroe 51
fumosid (Hulst), Saucrobotys 50
fumosa (Hulst), Eupithecia 78
fumosum (Strecker), Spilosoma 129
funeralis (Hübner), Desmia 53
fungorum Grote and Robinson, Choephora 163
furcata (Smith), Papaipema 153
furcula (Thunberg), Hydriomena 73
furcilla (Packard), Panthea 145
Furcula Lamarck 120
furfurata (Grote), Homorthodes 159
fuscata (Haworth), Pyla 61

G
Galasa Walker 58
galbanata (Morrison), Zale 140
Galgula Guêné 151
Galleria Fabricius 59
Galleriinae 59
Gallerini 59
gallii (Rotenburg), Hyles 112
garita (Reakirt), Oarisma 18
Gastropachinae 97
Gazorycta Hübner 10

Geina Tutt 64
Gelechioidea 11
[gelida (Möschler), Grammia quensel] 129
gelidata (Möschler), Eupithecia 78
geminata (Packard), Packardia 46
[geminatus Say, Smerinthus] 107
gemnatais Hübner, Anticarsia 136
gemmata (Hulst), Peoria 63
generous (Grote and Robinson),
Pyrausta 52
genulata Grote and Robinson, Feltia 165
Geometridae 68
Geometrinae 68
Geometroidea 68
georgica (Herrich-Schäffer),
Hyperaescha 114
georgii Grote, Lithopâne 156
georgii Hulst, Plemyria 72
Gerydini 28
Gesneria Hübner 47
gibbicostata (Walker), Stamnodes 75
gibbera (J. E. Smith), Nadata 114
[gibsonella Kearfott, Thaumatopsis pexella] 56
gibsoni McDunnough,
Grammia 128
gigantea Strecker, Colias 26
girardellus Clemens, Crambus 55
galbanata (Morrison), Zale 140
glabela (Morrison), Amphipyra 148
gliadia Morrison, Agrotis 162
[glandon auct., Agriades] 34
glyphralis (Guêné), Glyphyria 49
Glyphyria Hübner 49
Glyphyrinae 49
Glaucopsyche Scudder 33
glauca Linné, Papilio 23
glenni Cashatt,
Oidaematophorus 65
glomeraria (Grote), Lomographa 86
gloriosa (Guêné), Habrosyne 66
gloriosa (Strecker), Schinia 167
Gluphisia Boisduval 116
Gluphisini 116
Glyptocera Boisduval 60
gnosphosaria (Guêné),
Semiocitha 81
goodelli (Grote), Orthodes 161
gordius Cramer, Sphinx 106
gorgone (Hübner), Charidryas 40
gortynoides Walker, Bellura 149
gracilineata (Guêné), Eulithis 72
gracilis (Grote), Korscheltellus 9
gracilis (Grote and Robinson), Hemaris 109
gracilis (Grote and Robinson), Polygonia 34
Granumia Rambur 128
grandirena (Haworth), Drasteria 136
[grandis (Barnes and McDunnough), Borolia ritaitia] 39
grandis (Guenée), Spiramater 162
Graphiphora Ochsenheimer 165
[Graphium auct. = Eurytides Hübner] 24
grata (Fabricius), Eudryas 147
grata Hübner, Elaphria 151
grataria (Fabricius), Haematopis 70
grisea Walker, Acronicta 146
gromei (Morrison), Copivaleria 155
grotei Riley, Lithophane 156
grynea (Cramer), Catocala 139
grynea (Hübner), Mitoura 30
Gueneria Packard 91
guttivitta (Walker), Heterocampa 118
gyralis (Hulst), Munroessa 48

H

habilis Grote, Catocala 139
Habrosyne Hübner 66
Habrosynini 66
Hadena Schrank 159
Hadeninae 158
Haematopis Hübner 70
haesitata (Grote), Acronicta 146
haesitata (Guénée), Triphosa 73
Hahnccpsia Munroe 51
Halysidota Hübner 129
hamamelis Guénée, Acronicta 146
hamellus (Thunberg), Crambus 55
hammondii (Riley), Psorosina 62
hanhami (Smith), Phalaenostola 134
Haplaoa Hübner 123
Harkenclosus den Passos 29
harlequinalis Dyar, Diathrausta 53
harrisi (Grote), Papaiopema 153
harrisi (Scudder), Charidryas 40
harrisi Walsh, Halysidota 129
Harrissimenna Grote 147
Harrisina Packard 45
haruspica (Grote), Graphiphora 165
hasta Guénée, Acronicta 146
hastata (Linne), Rheumaptera 74
hayhurstii (Edwards), Staphylus 16
hebetata (Hulst), Semiithosa 81
hebraeicum Hübner, Polygrammate 147
hegon (Scudder), Amblysirtes 22
helata (Smith), Zale 140
Helicoerva Hardwick 167
Heliomata Grote 79
Heliothinae 167
Heliothis Ochsenheimer 167
helloides (Boisduval), Lycaena 28
Hellula Guénée 49
[Heliotropha Lederer = Celaena Stephens] 150
helva (Grote), Apamea 148
helvalis (Walker), Framinghamia 54
helvialis (Walker), Helvibiotys 52
Helvibiotys Munroe 52
Hemaris Dalman 109
Hemileuca Walker 101
Hemileucinae 101
Hemileucini 101
hemina Grote, Lithophane 156
Hemipachnobia McDunnough 165
Hemitheini 69
henrici (Grote), Simyra 147
henrici (Grote and Robinson), Incisalia 30
[henshawi (Swett), Epirrita autumnata] 77
Heptaoidae 9
Heptaloida 9
[Heptalos Fabricius = Korscheltellus Börner] 9
[= Gazorycta Hübner] 10
Heptagrotis McDunnough 165
Herculia Walker 58
herilis (Grote), Feltia 165
herminiata (Guénée), Eudeilinea 67
Hermininae 133
Herpetogramma Lederer 54
hersiliata (Guénée), Dysstroma 71-2
Hesperia Fabricius 19
hesperidago (Guénée), Pyreferra 157
Hesperiiidae 15
Hesperinae 18
Hesperioidea 15
Hesperumia Packard 83
Heterocampa Doubleday 118
Heterocampini 117
Heterogenea Knoch 46
Heteropacha Harvey 97
Heterophyleps Herrich-Schäffer 79
Heteropterinae 17
heterosalis (McDunnough),
Eudonia 48
Hethemia Ferguson 69
hexactyla Linné, Alucita 11
hianna (Scudder), Atrytonopsis 22
hibisci (Guénée), Orthosis 161
Hillia Grote 156
hiricina Morrison, Homoglaea 156
hobomok (Harris), Poanes 21
Holomelina Herrich-Schäffer 123
Homochlodes Hulst 90
homodactylus (Walker),
Oidaematophorus 65
Homoeosoma Curtis 62
Homoglaea Morrison 156
Homohadena Grote 156
Homophoberia Morrison 144
Homorthodes McDunnough 159
honestaria (Walker), Pero 89
horatius (Scudder and Burgess),
Erynnis 16
Horisme Hübner 77
[Hormisa Walker = Macrochilo
Hübner] 134
horrida Hübner, Zale 140
hortaria (Fabricius), Epimecis 85
hortulata (Linné), Eurrhypara 51
hubneraria (Guénée), Pero 89
[hudsonianus Clark, Papilio] 23
[huebneri (Wallengren), Alucita] 11
humaria (Guénée),
Anacamptodes 83
humuli Harris, Hypena 135
hyalinata (Linné), Diaphania 53
Hyalophora Duncan 103
Hydraecia Guénée 151
Hydrelia Hübner 76
Hydria Hübner 73
Hydriomena Hübner 73
Hydriomenini 71
Hylephila Billberg 19
Hyles Hübner 112
hyllus (Cramer), Lycaena 28-9
hyloeus (Drury), Dolba 104
Hymenia Hübner 53
Hypagyrtis Hübner 84
Hyparpat Hübner 120
Hypena Schrank 135
Hypenae Schrank 135
Hypenodes Doubleday 135
Hypenodinae 135
Hyperaescha Butler 114
Hyperstrotia Hampson 144
Hyphantria Harris 126
Hypocola Guénée 137
hypochraria (Herrich-Schäffer),
Metarrhantis 91
Hypocoena Hampson 151
Hypolimnini 37
Hypoprepia Hübner 122
Hyppa Duponchel 151
Hypsopygia Hübner 57

1
icciusalis (Walker), Munroessa 48
icelus (Scudder and Burgess),
Erynnis 16
Idaea Treitschke 70
idalia (Drury), Speyeria 38
idas (Linné), Lycaenides 33
Idia Hübner 133
iduata (Guénée), Xanthorhoe 75
ignea (Grote), Syngrapha 142
ilia (Cramer), Catochala 139
illapsa (Walker), Euagrotis 163
illecta Walker, Catochala 139
illibella (Hulst), Coenochroa 63
illocata (Walker), Oligia 152
illocata Warren, Dyspyralis 133
imbrifera (Guénée), Polia 161
immanis Guénée, Hydraecia 151
Immyrla Dyar 60
impecuniosa (Grote),
Papaipema 153
imperialis (Drury), Eacles 99
impleta Walker, Acronicta 146
implicata McDunnough,
Lacinipolia 159
impulsa (Guénée), Apamea 148
inatomaria Guénée, Metanema 91
incertata Walker, Mesothea 69
incincta (Morrison),
Protorhodes 161
Incisalia Scudder 30
inclara Smith, Acronicta 146
includens (Walker),
Pseudoplasia 142
includens (Walker),
Spartiniphaga 154
inclusa (Hübner), Clostera 113
increta Morrison, Acronicta 146
[Incurvaria Haworth = Lampronia
Stephens] 10
Incurvariidae 10
Incurvariinae 10
Incurvarioidae 10
indeclinata (Walker),
Metarrhanitis 91
indigenella (Zeller), Acrobasis 59
indicolis (Walker), Apamea 149
indomita (Walker), Melipotis 137
inermis Forbes, Leucania 160
inexplicata (Walker),
Mysterophora 137
inflata (Möscher), Archearis 68
infumata (Grote), Enargia 151
infra (Smith), Colocasia 145
infusa (Walker), Apamea 149
infusa (Walker), Marathysa 143
infusorialis Dyar, Herculia 58
infusilla Ragonot, Ephestiodes 62
infusa (Walker), Homohadena 156
inflata (Clemens), Prochoreutis 14
infusa (Grote), Enargia 151
[ingravis (Smith), Papestra] 161
innominata (Smith), Lithophane 156
innotaia Guenée, Acronicta 146
[innotatella Walker, Crambus perlellus] 55
innubens Guenée, Catocala 139
inordinata (Morrison), Apamea 149
inornata Edwards,
Coenonympha 43
inornata (Hust), Hydelria 76
inquieta (Grote and Robinson), Papaipema 153
inquinalis (Zeller), Udea 52
inquinatus Zeller,
Oidaematophorus 65
inscripta (Harris), Deidamia 110
insolabilis Guenée, Catocala 139
insueta Guenée, Leucania 160
insulsaria (Guenée), Pleuroprucha 70
integerrima Grote and Robinson,
Datana 113-4
integra Zeller, Lineodes 52
interior Scudder, Colias 26
[intermedia Speyer, Cucullia] 155
[intermedia (Stretch), Grammia parthenice] 128
intermedialis (Walker), Herculia 58
[intermediata (Guenée), Euphia unangulata] 76
interoceanica (Smith), Amphipoea 148
interpuncta (Grote), Colobophyla 136
interpunctella (Hübner), Plodia 63
interrogationis (Fabricius), Polygonia 35
interrupta Guenée, Acronicta 146
interruptofasciata Packard, Eupithecia 78
intertexta (Walker), Aethalura 83
intestinal (Guenée), Horisme 77
intricata (Zetterstedt), Eupithecia 78
inula (Grote), Metaxaglaea 157
io (Fabricius), Automeris 101
iole Boisduval, Nathalis 28
ipitalis (Walker), Chalcoida 50
Ipimorpha Hübner 152
ipomoeae Doubleday, Schizura 119
ipsilon (Hufnagel), Agrotis 162
iridaria (Guenée), Dichorda 69
Iridopsis Warren 84
iris Guenée, Phlogophora 153
iris (Zetterstedt), Hillia 156
iraria Barnes and McDunnough,
Euchlaena 88
[irrorata (Packard), Oreta] 68
irrubiella Ely, Acrobasis 59
irus (Godart), Incisalia 31
Isa Packard 47
isabella (J. E. Smith),
Pyrrhacria 124
[Isia auct. = Pyrrhacria Packard] 124
[Isurgia auct. = Epelis Hulst] 81
Itame Hübner 80
[itealis (Walker), Paraponyx allonealis] 48
itysalis (Walker), Udea 52

J

[j-album (Boisduval and LeConte), Nymphalis va-album] 36
jacchusalis (Walker), Polypogon 134
jaculifera (Guenée), Feltia 165
jamaicensis (Drury), Smerinthus 107
jocosa (Guenée), Feralia 155
johnsonaria (Fitch), Euchlaena 88
johnstoni McDunnough,
Eupithecia 78
jucunda Hübner, Melipotis 137
jucunda (Walker), Diarsis 163
juliet Strecker, Catocala 139
juglandis (J. E. Smith), Amorpha 108
juglandis (LeBaron), Acrobasis 59
julia (Barnes and McDunnough),
Idia 134
[julia (Hulst), Itame loricaria] 80
julianalis (Walker), Dicymolomia 50
juncta (Grote), Chersotis 163
junctaria (Walker), Scopula 71
juniperata (Linné), Thera 73
Junonia Hübner 37
jutta (Hübner), Oeneis 44
juvenalis (Fabricius), Erynnis 16

K
kalniae J. E. Smith, Sphinx 106
kearfottella Dyar, Acrobasis 59
kellicottii (Fish), Oidaematophorus 65
kentaria Grote and Robinson, Selenia 91
[kolthoffii Aurivillius, Sympistis] 158
Korscheltellus Börner 9
kuehniella (Zeller), Anagasta 63
kuetzingi (Grote), Plagodis 92

L
labecula (Grote), Balsa 149
labradorensis (Packard), Xanthorhoe 75
[labradoriensis Christoph, Crambus alienellus] 55
Lacanobia Billberg 159
Lacinipolia McDunnough 159
Lacosoma Grote 96
[Lacosomidae = Mimallonidae] 96
lacrymose Guénéé, Catocala 139
lacteodactylus (Chambers), Oidaematophorus 65
lacustrata (Guénéé), Xanthorhoe 75
[lacustris Munroe, Microtheoris ophionalis] 49
ladon (Cramer), Celastrina 32
laeta (Edwards), Eroa 32
laeta Guérin-Ménéville, Holomelina 124
laeta (Morrison), Archana 149
laetifica Smith, Acronicta 146
laevigata (Grote), Polypogon 134
lame (T. N. Freeman), Holomelina 124
Lambdina Capps 93
Lampronia Stephens 10
lanceolaria (Grote), Acronicta 146
langtoni Couper, Alypia 147
lanoraieensis Sheppard, Incisalia 31
Lapara Walker 106
Laphymga (Guénéé) 154
laqueatellus Clemens, Crambus 55
Larentiinae 71
larentioides Grote,
Phalaenostola 134
lariciata (Freyer), Eupithecia 78
laricus (Fitch), Tolype 97
larvaria (Guénéé), Iridopsis 84
Lascoria Walker 134
Lasiocampidae 97
Lasiocampinae 98
Lasionycta Aurivillius 160
lateritia (Hufnagel), Apamea 149
latex (Guénéé), Morrisonia 160
latincinerata Grote, Lithophane 156
latiferrugata (Walker), Eumacaria 80
latipennis Stretch, Spilosoma 125
latipes (Guénéé), Mecos 140
latiradiella (Walker), Catoptria 56
leachellus (Zincken), Crambus 55
lecontei (Guérin-Ménéville), Haploa 123
Ledaea Druce 137
legitima (Grote), Trichodesstra 162
lemmeri (Barnes and Benjamin), Lithophane 156
Lemmerià Barnes and Benjamin 152
lentiflualis (Zeller), Aethiopsysa 50
leo (Grote), Spragueia 145
[leomegra (Smith), Polia] 161
leonardus Harris, Hesperia 19
lepida Grote, Lithophane 156
lepidula (Grote), Leuconycta 144
leporina (Linne), Acronicta 146
leptinoides (Grote), Schizura 119
Leptostales Möschler 71
lepusculina Guénéé, Acronicta 146
[Lethe Hübner = Enodia Hübner, Satyrodes Scudder] 42
Leucania Ochsenheimer 160
leucobasis (Dyar), Calores 14
leucobasis (Dyar), Calores 14
Leucobrepheos Grote 68
Leucoma Stephens 133
Leuconycta Hampson 144
leucostigma (Harris), Papaipema 153
Lycia Hübner 86
lyciades (Geyer), Achalarus 15

Lycomorpha Harris 122
[lygdamus (Doubleday), Glaucopsyche lygdamus] 33
[Lygris Hübner = Eulithis Hübner] 72

Lyantria Hübner 133
Lymantriidae 131
Lymantriinae 133
Lymantriini 133
lynx (Guenée), Schinia 167
lyonsellus Haimbach, Crambus 55
lysimachiae Bird, Papaipema 153

Lytrosis Hulst 87

m-album (Boisduval and LeConte), Parrhasius 31
maccullochii (Kirby), Androloma 147
machaon Linné, Papilio 23-4
macmurtrei (Guérin-Méneville), Prionoxystus 1
macounii (Edwards), Oeneis 44
Macrinhys Hübner 134
MacroGLOSSinae 109
MacroGLOSSini 110
Macromphaliinae 97
Macronoctua Grote 152
Macrothylax 66

[Malefactaria (Barnes and McDunnough), Enconista dislocaria] 82
Maliath Walker 145
Mamestra Ochsenheimer 160
manalis (Walker), Hypena 135
[manataaquia (Scudder), Polites orygenes] 20
mancalis (Lederer), Hahncappsia 51
[mancinus Doubleday and Hewitson, Erebia disa] 44
[mandan (Edwards), Carerocephalus palaemon] 18

Manduca Hübner 104
Manhatta Hulst 63
Maniolini 43

[manitoba McDunnough, Dysstroma hersiliata] 72
[manitobaee B. P. Clark, Amorpha juglandis] 108
manitobana McDunnough, Euxoa 165
[manitobensis McDunnough, Macrurocampa marthelia] 118
[manitoboides (Fletcher), Hesperia] 19
manteo Doubleday, Lohcmaeus 118
mappa (Grote and Robinson), Autographa 141

Marathyssa Walker 143
marcellus (Cramer), Eurytides 24
marculenta (Grote and Robinson), Hahncappsia 51
marginalis (Walker), Ostrinia 51
marginaria (Minot), Euchlaena 88
[marginata (Edwards), Celastrina] 33
marginata (Harris), Pennisetia 12
marginidens (Guenée), Papaipema 153
marina (Grote), Oligia 152
maritimalis McDunnough, Tetralopha 59
[marmoratus (Grossbeck), Pero] 89
marthesia (Cramer), Macrurocampa 117-8
martialis (Scudder), Erynnis 17
maryx (Guenée), Sideridis 161
massasoit (Scudder), Poanes 21
matthewianus (Zeller), Oidaematophorus 65
meadi (Grote), Schinia 167
meadii (Packard), Coryphista 73
Mecyna Guenée 53

Mecyna Guenée 53
Meganola Dyar 143
[Megasis Guenée = Saraa
Ragonot] 62
Megisto Hübner 43
Melanchra Hübner 160
Melanolophia Hulst 85
Melanolophini 85
Melanomma Grote 137
melanopa (Thunberg), Anarta 158
melinella Clemens, Donacaula 54
melinus Hübner, Strymon 31
Melipos Hübner 137
melissa (Edwards), Lycaenides 33
melissa (Fabricius), Oeneis 44
Melitaeinae 39
Melititia Hübner 12
Melittini 12
Mellilla Grote 81
mellistrigata (Grote), Semiothisa 82
mellonella (Linné), Galleria 59
melsheimeri (Harris), Cicinnus 96
mendica (Walker), Eubaphe 77
mendosa (McDunnough),
Athetis 149
mephisto Franclemont, Enargia 151
meralis (Morrison), Caradrina 150
[meridionalis Riotte, Orgyia] 132
Meropleon Dyar 152
Meroperta Grote 61
merricata Dyar, Paleacrita 86
merrickalis (Barnes and McDunnough),
Laxostegopsis 53
meskei Grote, Catocala 139
Mesoleuca Hübner 74
Mesothea Warren 69
messoria (Harris), Euxoa 164
[metacomet (Harris), Euphyes
ruricola] 22
Metalca Hübner 137
Metalopsis Grote 165
Metanema Guenée 91
Metarrhanits Warren 91
metatoides McDunnough, Zale 140
Metaxaglaea Franclemont 157
metanalis (Walker),
Phalaenostola 134
Metrea Grote 49
mexicanum (Boisduval), Eurema 27
mexicanaria (Grote), Nacophora 89
micacea (Esper), Hydraecia 151
Microcrambus Bleszynski 56
microgamma (Hübner),
Syngrapha 142
miconympha Guenée, Catocala 139
Micropterigidae 9
Micropterigoidae 9
Microtheoris Meyrick 49
milberti (Godart), Nymphalis 35
militaris (Harris), Haploa 123
militella Zeller, Tetraloha 59
Mimallonidae 96
mimmallonis (Grote), Euxoa 164
Mimallonoidea 96
mimosaria (Guenée), Nemoria 69
minerea (Guenée), Zale 140
minians Guenée, Nephelodes 160
miniata (Kirby), Hypropelia 122
minioti (Smith), Blephorita 154
ministra (Drury), Datana 114
minor (Forbes), Microcrambus 56
minorata (Packard), Semiothisa 82
minualis (Guenée), Hypena 135
minuscula (Morrison), Oligia 152
minuscula (Zeller), Meganola 143
mira Grote, Catocala 139
miranda (Grote), Athetis 149
miselioides (Guenée), Phosphila 153
miseralata Grote, Eupithecia 78
Misogada Harvey 117
misturata (Hulst), Eupithecia 78
Mitoura Scudder 30
mixta (Grote), Apamea 149
[Mniotype Franclemont = Blepharita
Hampson] 154
Mocis Hübner 140
modesta (Harris), Pachysphinx 108
modesta (Hudson), Furcula 120, 121
modesta (Morrison), Ulolonche 162
modica (Guenée), Oligia 152
modica Walker, Acronicta 146
molliculata (Walker), Eulithis 72
molis Walker, Agrotis 162
mollissima (Guenée),
Callopistria 149
[monetifera (Guenée),
Callopistria] 149
monochromatea (Morrison),
Hemipachnobia 165
monodactyla (Linné), Emmelina 65
Monotrysia 10
montana (Packard), Syngrapha 142
montana (Walshingham), Adaina 65
monuste (Linné), Ascia 25
Moodna Hulst 62
morbidalis (Guenée), Chytolita 133
[morpheus (Fabricius),
Phyciodes] 39
morpheus (Hufnagel),  
Caradrina 150  
morrisonaria (Hy. Edwards),  
Pero 89  
morrisoni (Grote), Eupsilia 155  
Morrisonia Grote 160  
morula Grote and Robinson,  
Acronicta 146  
[mucidella (Ragonot),  
Phyciodes] 62  
multifera (Walker), Caradrina 150  
multiferata (Walker), Anticlea 74  
multilinea Walker, Leucania 160  
multipunctella Clemens,  
Yponomeuta 12  
[multiscripta Riley, Cerura  
sctiscripta] 121  
munitata (Hübner), Xanthorhoe 75  
Munroessa Lange 48  
muscosula (Guenée), Lithacodia 145  
[mustelinus (Packard),  
Korscheltellus] 9  
mutabilis (Clemens),  
Fissicrambus 56  
mutata Pearsall, Eupithecia 78  
Mutuuraia Munroe 51  
muzaria (Walker), Euchlaena 88  
Mycterophora Hulst 137  
Myelopsis Heinrich 60  
mynesalis (Walker), Tetanotila 135  
myops (J. E. Smith), Paonias 107-8  
myricella McDunnough,  
Ortholepis 60  
[myrina (Cramer), Boloria  
selene] 39  
myron (Cramer), Darapsa 111  
mysippusalis (Walker),  
Mutuuraia 51  
mystic (Edwards), Polites 19-20  

N  

[nabokovi Masters, Lycaenidae  
idas] 33  
Nacophora Hulst 89  
Nacophorini 89  
Nadata Walker 114  
nais (Drury), Apantesis 127  
napaea (Morrison), Litholomia 156  
[napi (Linné), Pieris] 25  
[napi oleracea Harris, Pieris] 25  
Nascia Curtis 50  
Nathalis Boisduval 28  
Nealgedonia Munroe 51  

nearctica Munroe, Nomophila 53  
[nearctica Ferguson, Syngrapha  
microgramma] 142  
nebris (Guenée), Papaipema 153  
nebulifera Stephens,  
Prionapteryx 54  
nebulosa Edwards, Catocala 139  
necopina (Grote), Papaipema 153  
Nedra Clarke 152  
[neglecta (Edwards), Celastrina] 33  
nelita (Strecker), Papaipema 153  
Nematomampa Guenée 95  
Nemoria Hübner 69  
Nemorini 69  
nobliteralis Capps,  
Hahncapsia 51  
Neocataclysta Lange 48  
neogama (J. E. Smith),  
Catocala 139  
[neomarsyas dos Passos, Polygonia  
satyrus] 35  
nepheleptena (Dyss),  
Papaipema 153  
Nepholodes Guenée 160  
Nepheipteryx Hübner 61  
Nephoecrania Munroe 49  
neptaria (Guenée), Semiothisa 82  
Nepticulidae 10  
Nepticuloidea 10  
Nepytia Hulst 94  
Nerice Walker 116  
[nessus Cramer, Sphinx] 110  
[nessus Drury, Theretra] 110  
nevadae (Grote), Laccobia 159  
nexilis Morrison, Eutrichopis 167  
ni (Hübner), Trichopius 142  
nicalis Grote, Pyrausta 52  
nicippe (Cramer), Eurema 27-8  
nigella (Strecker), Dyspyralis 133  
Nigetia Walker 145  
nigrinodis (Zeller), Galasa 58  
nigrion (Smith), Apamea 149  
nigrovittella Dyar, Immuryla 60  
nimbicolor (Hulst), Eupithecia 78  
nimbosa (Guenée), Polia 161  
niphon (Hübner), Incisalia 30, 31  
[nisquisquita McDunnough,  
Coenonympha] 43  
nivalis (Drury), Urola 56  
niveovenosa (Grote), Apamea 149  
nivigerata Walker, Lobophora 79  
nivosaria (Guenée), Eugonobapta 94  
nocitava Grote, Acronicta 146  
Noctuidae 133  

196
Noctua 162
Noctuoidea 112
[Nokomis (Brodie), Hyalophora] 103
Nola Leach 144
Nolinae 143
Nomophila Hübner 53
normani (Grote), Crocigrapha 159
northernia (Grote), Xestia 166
notataria (Walker), Eufidonia 85
notialis Fricke, Nolinae 143
[nova Fitch, Orgyia antiqua] 132
novaroensis (H. Edwards), Synanthedon 132
Nubila Hübner 143
Nubilia Hübner 143
numitor (Fabricius), Ancyloxypha 18
Nycteis (Doubleday), Charidryas 40
Nycteola Hübner 143
[Nycterosea Hulst = Orthonama Hübner] 76
Nymphalidae 34
Nymphalinae 34
Nymphalini 34
Nymphalis Kluk 35
Nymphula Schrank 48
Nymphulinae 48
Nymphulini 48
nyssaria (Guenée), Probole 92
O
Oarisma Scudder 18
[obductata (Möschler), Spargania (Hedua) 74
obelixoides (Guenée), Euxoa 165
obfirma (Fabricius), Metarrhantis 91
oblata (Morrison), Xestia 166
obliquata (J. E. Smith), Acronicta 146
obliqua Packard, Heterocampa 118
obliqua (Smith), Agrotis 162
obliqua (Walker), Bellura 149
obliquata (Grote and Robinson), Dasychira 131
oblonga (Grote), Archanara 149
obscura (Fabricius), Erinnyis 109
obscura (Smith), Orthodes 161
obscura Strecrer, Catocala 139
obscuralis (Grote), Paraponyx 48
obscurata Strecrer, Schinia 167
obscuripennis (Grote), Polyphon 134
obstipata (Fabricius), Orthonama 76
obtusa Smith, Oligia 152
obtusaria (Hübner), Euchlaena 88
obumbratalis (Lederer), Ostrinia 51
Occidentalia Dyar and Heinrich 57
occidentalis Lintner, Furcula 121
occidentalis (Reakirt), Pontia 24
occiduaria (Packard), Itame 80
occiduaria (Walker), Anagaga 92
ocellinata (Guenée), Semiothisa 82
ochreipennis (Grote), Polyphon 135
ochrifrontella (Zeller), Eulogia 62
ochrogaster (Guenée), Euxoa 165
Ochropleura Hübner 166
octo (Guenée), Amyna 144
octomaculata (Fabricius), Alypis 147
octoscripta (Grote), Syngrapha 142
oculatrix (Guenée), Paectes 143
Odontinae 49
Odontini 49
Odontosia Hübner 115
odorata (Linné), Ascalapha 136
Oeneis Hübner 44
Oenochrominae 68
Ogdoconta Butler 152
Oidaematophorus Wallengren 65
oithona (Strecrer), Gramma 128
Olececlostera Butler 96
oleracea (Harris), Pieris 25
Oligia Hübner 152
Oligocentria Herrick-Schäffer 119
olinalis (Guenée), Herculia 58
olivacea (Morrison), Lacinipolia 160
olympia (Edwards), Euchloe 26
omisca Dod, Cucullia 155
Oncocnemis Lederer 157
Oneida Hulst 58
ontario (Edwards), Euristrymon 31
ontario (McDunnough), Sphenarches 64
[ontario (Smith), Euxoa] 164
onusta Grote, Macronoctua 152
onustana (Walker), Tebenna 14
Pachysphinx Rothschild and Jordan 108

packardata McDunnough, Xanthorhoe 75
Packardia Grote and Robinson 46
padellus (Linné), Yponomeuta 12
Paectes Hübner 143
palaemon (Pallas), Carterocephalus 17-8
palamo (Linné), Colias 26
palaegama Guenée, Catocala 139
Paleacrita Riley 86
palliaticula (Guenée), Chyttonix 150
pallida (Herrich-Schäffer), Tortricidia 46
pallida Packard, Crambidia 122
pallidactyla (Haworth), Platypilia 65
pallida (Hufnagel), Evergestis 50
pallioella Ragonot, Acrobasis 59
palpia (Walker), Hypena 135
palpata Packard, Eupithecia 78
Palpita Hübner 54
Palthis Hübner 134
palmis fusca (Félix E. Guérin), Eupithecia 131
palmis (Fabricius), Pyrausta 46
pallidactyla (Haworth), Anavitrinella 84
panalopec (Dyar), Xubida 57
panatela (Smith), Spartaniphaga 154
pandora (Hübner), Eumorpha 110
Pangrapta Hübner 137
Panopoda Guenée 137
Panthea Hübner 145
Pantheinae 145
Pantographa Lederer 54
Paonias Hübner 107
Papaipeuma Smith 153
Papestra Sukhareva 161
Papilio Linne 23
Papilionidae 23
Papilioninae 23
Papilionini 23
Papilionoidea 22
Paraclemensia Busck 10
Paradiarsia McDunnough 166
paradoxus Grote, Heliothis 167
[Parahypenodes Barnes and McDunnough = Hypena Schrank] 135
pariana (Clemens), Choreutis 14
Paraleelia Hübner 140
Paranthrene Hübner 12
Paranthreninae 12
Paranthrenini 12

Pachysphinx Rothschild and Jordan 108
<table>
<thead>
<tr>
<th>Term</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parapediasia Bleszynski</td>
<td>56</td>
</tr>
<tr>
<td>Paraponyx Hübner</td>
<td>48</td>
</tr>
<tr>
<td>Parargini</td>
<td>42</td>
</tr>
<tr>
<td>Parasemia Hübner</td>
<td>124</td>
</tr>
<tr>
<td>Parastichis Hübner</td>
<td>157</td>
</tr>
<tr>
<td>pariana (Clemens), Choreutis</td>
<td>14</td>
</tr>
<tr>
<td>Parrhasius Hübner</td>
<td>31</td>
</tr>
<tr>
<td>parta Guenée, Catocala</td>
<td>139</td>
</tr>
<tr>
<td>parthenice (Kirby), Grammia</td>
<td>128</td>
</tr>
<tr>
<td>parthenos (Harris), Platarctia</td>
<td>127</td>
</tr>
<tr>
<td>participalis Grote, Condylolomia</td>
<td>58</td>
</tr>
<tr>
<td>partita Guenée, Galgula</td>
<td>151</td>
</tr>
<tr>
<td>pasadamia (Dyar), Ortholepis</td>
<td>60</td>
</tr>
<tr>
<td>passer (Guenée), Luperina</td>
<td>152</td>
</tr>
<tr>
<td>patefacta (Walker), Lithophane</td>
<td>19</td>
</tr>
<tr>
<td>Pediasia Hübner</td>
<td>56</td>
</tr>
<tr>
<td>pedipilalis (Guenée), Polypogon</td>
<td>135</td>
</tr>
<tr>
<td>pegala (Fabricius), Cercyonis</td>
<td>43-4</td>
</tr>
<tr>
<td>pegasus (Walker), Chalcoela</td>
<td>50</td>
</tr>
<tr>
<td>pelidne Boisduval and LeConte</td>
<td>26</td>
</tr>
<tr>
<td>pellucidaria (Packard), Nepyria</td>
<td>94</td>
</tr>
<tr>
<td>pendulinaria (Guenée),</td>
<td></td>
</tr>
<tr>
<td>Cyclophora</td>
<td>70</td>
</tr>
<tr>
<td>pentalis (Grote), Ostrinia</td>
<td>51</td>
</tr>
<tr>
<td>Pennistea Dehne</td>
<td>12</td>
</tr>
<tr>
<td>Pennisetiini</td>
<td>12</td>
</tr>
<tr>
<td>[pennsylvaniaica Smith,</td>
<td></td>
</tr>
<tr>
<td>Euthyatra]</td>
<td>67</td>
</tr>
<tr>
<td>Penstemonia Engelhardt</td>
<td>14</td>
</tr>
<tr>
<td>penumbralis Dyar, Scoparia</td>
<td>48</td>
</tr>
<tr>
<td>Peoria Ragonot</td>
<td>63</td>
</tr>
<tr>
<td>Peorinae</td>
<td>63</td>
</tr>
<tr>
<td>Peratreia Grote</td>
<td>105</td>
</tr>
<tr>
<td>perattenta (Grote), Eueretagrotis</td>
<td>164</td>
</tr>
<tr>
<td>perditalis (Walker), Ledaea</td>
<td>137</td>
</tr>
<tr>
<td>perfracta Swett, Hydriomena</td>
<td>73</td>
</tr>
<tr>
<td>perhusca (Hulst), Eupithecia</td>
<td>78</td>
</tr>
<tr>
<td>pergivilis (Hulst), Hahnccapsia</td>
<td>51</td>
</tr>
<tr>
<td>periculosana Guenée,</td>
<td></td>
</tr>
<tr>
<td>Phlogophora</td>
<td>153</td>
</tr>
<tr>
<td>Peridea Stephens</td>
<td>114</td>
</tr>
<tr>
<td>Peridroma Hübner</td>
<td>166</td>
</tr>
<tr>
<td>Perigea Guenée</td>
<td>153</td>
</tr>
<tr>
<td>periscelidactyla Fitch, Geina</td>
<td>64</td>
</tr>
<tr>
<td>Perispasta Zeller</td>
<td>51</td>
</tr>
<tr>
<td>Perizoma Hübner</td>
<td>74</td>
</tr>
<tr>
<td>perlata (Guenée), Campaea</td>
<td>89</td>
</tr>
<tr>
<td>perlellus (Scopoli), Crambus</td>
<td>55</td>
</tr>
<tr>
<td>Pero Herrich-Schäffer</td>
<td>89</td>
</tr>
<tr>
<td>[Perophoridae = Mimallonidae]</td>
<td>96</td>
</tr>
<tr>
<td>perpolita (Morrison), Euxoa</td>
<td>165</td>
</tr>
<tr>
<td>perquiritana (Morrison), Xestia</td>
<td>166</td>
</tr>
<tr>
<td>[persephone (Grote), Grammia]</td>
<td>128</td>
</tr>
<tr>
<td>persius (Scudder), Erynnis</td>
<td>17</td>
</tr>
<tr>
<td>perspectalis (Hübner), Hymenia</td>
<td>53</td>
</tr>
<tr>
<td>perspicua Grote and Robinson,</td>
<td>56</td>
</tr>
<tr>
<td>[philometra Grote = Phalaenostola Grote]</td>
<td>134</td>
</tr>
<tr>
<td>Phoebis Hübner</td>
<td>27</td>
</tr>
<tr>
<td>philea (Johansson), Phoebis</td>
<td>27</td>
</tr>
<tr>
<td>philenor (Linné), Battus</td>
<td>23</td>
</tr>
<tr>
<td>philodice Godart, Colias</td>
<td>26-7</td>
</tr>
<tr>
<td>[Philometra Grote = Phalaenostola Grote]</td>
<td>134</td>
</tr>
<tr>
<td>Phlogophora Treitschke</td>
<td>153</td>
</tr>
<tr>
<td>phlogosaria (Guenée), Plagodis</td>
<td>92</td>
</tr>
<tr>
<td>phloxiphagus Grote and Robinson,</td>
<td>167</td>
</tr>
<tr>
<td>Phoebis Hübner</td>
<td>137</td>
</tr>
<tr>
<td>Phoebetria</td>
<td>46</td>
</tr>
<tr>
<td>Phoebon Hübner</td>
<td>46</td>
</tr>
<tr>
<td>Pholos Hübner</td>
<td>27</td>
</tr>
<tr>
<td>Pholos Scudder</td>
<td>17</td>
</tr>
<tr>
<td>pholus (Cramer), Darapsa</td>
<td>111</td>
</tr>
<tr>
<td>pholus (Drury), Lycomorpha</td>
<td>122</td>
</tr>
<tr>
<td>Phosphila Hübner</td>
<td>153</td>
</tr>
<tr>
<td>phragmatidicola Guenée,</td>
<td></td>
</tr>
<tr>
<td>Phragmatobia Stephens</td>
<td>126</td>
</tr>
<tr>
<td>Phyciodes Hübner</td>
<td>39</td>
</tr>
</tbody>
</table>
Phycitinae 59
Phycitodes Hampson 62
phyleus (Drury), Hylephila 19
phyllira (Drury), Grammia 129
Phyllodesma Hübner 97
phyllophora (Grote),
   Heptagrotis 165
Phytometra Haworth 137
piatrix Grote, Catocala 139
pica (Walshingham), Amblyptilia 65
picta (Harris), Melanchra 160
pictipes (Grote and Robinson),
   Synanthedon 13
Pieridae 24
Pierinae 24
Pierini 24
Pieris Schrank 25
piffardi (Walker), Oncocnemis 157
pini (Kellicitte), Synanthedon 13
   [pini Michener, Eacles imperialis] 99
piniata (Packard), Caripeta 93
piniata (Packard), Hypagyrtis 84
pincola (Dyar), Dasychira 131
pinstrobata Ferguson,
   Semiothisa 82
pistasciaria (Gueneé), Hethemia 69
pithectum (J. E. Smith),
   Phobetron 46-7
pityochromus Grote,
   Plagiomicimus 153
placida (Grote), Abagrotis 162
plagiata (Walker), Dasychira 131
plagiata (Walker), Orgyia 132
   Plagiomicimus Grote 153
Plagodis Hübner 92
plantaginis (Linné), Parasemia 113, 124
Platarctica Packard 127
   [Plathylena Grote = Hypena Schrank] 135
Platypolia Grote 157
Platypilia Grote 65
Platypilinae 64
   [Platysenta Grote = Condica Walker] 150
Platytes Gueneé 55
plebeja (Fabricius), Peratrea 105
Plebejus Kluk 33
plecta (Linné), Ochroleuca 166
plejadellus Zincken, Chilo 57
Plemyria Hübner 72
Pleonectopoda Grote 164
pleonectusa Grote, Ipimorpha 152
pleuritica (Grote), Euxoa 164
Pleuroprocura Möschler 70
plevie (Dyar), Eopararyctis 49
plexippus (Linné), Danaus 45
Plodia Gueneé 63
   [plumbea Hy. Edwards, Hypoprepia] 122
plumbea Stretch, Cisthene 122
Plusia Ochsenheimer 142
plusiformis Hy. Edwards,
   Stretchia 162
Plusiinae 141
Plusiodonta Gueneé 138
plutonia (Grote), Apamea 149
Poanes Scudder 21
   [pocahontas (Scudder), Poanes] 21
Podosesa Möschler 13
poeila Stephens, Sphinx 106
polata (Duponchel), Entephria 74
policia (Cook and Watson),
   Incisalia 31
Polia Ochsenheimer 161
polistiformis (Harris), Vitacea 12
Polites Scudder 19
Polygonia Hübner 34
polygrammarius (Packard),
   Stenoporpia 83
Polygrammata Hübner 147
Polygrammodes Gueneé 54
Polyommatinae 32
Polyommatini 33
polyphemus (Cramer),
   Antheraea 101
Polypteron Schrank 134
polyxenes Fabricius, Papilio 24
pometaria (Harris), Alsophila 68
Pompeius Evans 20
Poncia Fabricius 24
populella Busck, Ectoedemia 10
populi (Walker), Acossus 15
porcelaria (Gueneé),
   Protobarma 85
postera Gueneé, Cucullia 155
praela Grote and Robinson,
   Catocala 139
praefectellus (Zincken), Crambus 55
prasiina (Denis and Schiffermüller),
   Anaplectoides 163
pravella (Grote), Meropiera 61
precationis (Gueneé),
   Autographa 141
   [preciosa Nixon, Grammia] 128
pressus (Grote), Anaplectoides 163
primordialis (Dyar), Anagleshna 53
[primus Slosson, Spilosoma] 125
[ Priocyc I Guenée = Cephis
Hübner] 92
Prionapteryx Stephens 54
Prionoxystus Grote 15
privata (Walker), Sutyna 158
Probole Herrich-Schäffer 92
Prochoerodes Grote 95
Prochoreutis Diakonoff and
Heppner 14
Procossiana Reuss, see Boloria
Moore 38
profunda (Smith), Sutyna 158
progne (Cramer), Polygonia 35
projecta (Walker), Cleora 84
Prolimacodes Schaus 46
promethea (Drury),
Callosamia 102-3
Properigea Barnes and
Benjamin 157
propinqualis Guenée, Rivula 138
propinquilinea (Grote),
Colocasia 145
propulsata (Walker), Eulithis 72
Proserpinus Hübner 111
Protita mad McDunnough 80
Protoboa рема McDunnough 85
protodice (Boisduval and LeConte),
Pontia 24
Protolampra McDunnough 166
Protorthodes McDunnough 161
protumnusalis (Walker),
Polytrogon 135
[Proxenus Herrich-Schäffer = Athes
Hübner] 149
proxima (Hy. Edwards),
Synanthedon 13
Psaphida Walker 157
Psedraglæa Hampson 157
Pseudalela Franclemont 161
[pseudargiolus (Boisduval and
LeConte), Celastrina] 32
pseudargyria Guenée, Leucania 160
Pseudeva Hampson 142
pseudogamma (Grote),
Autographa 141
Pseudoplusia McDunnough 142
Pseudorthodes McDunnough 161
Pseudothyatira Grote 66
Psorosina Dyar 62
Psyche Schrank 11
psychialis (Hulst), Xanthophysa 50
Psychidae 11
Psychinae 11
Psychomorpha Harris 147
pterisii Bird, Papaipema 153
Pterophoridae 64
Pterophorinae 65
Pterophoroida 64
pudens (Guenée), Euthyatira 66-7
pulcherrima (Grote), Eutelia 143
[pulveira Grote and Robinson,
Heterocampa umbra)] 118
pulverulenta (Smith),
Melanchma 160
punctella (Cramer), Atteva 11
puncticosta (Smith), Dyspyralis 133
pupula Hübner, Eustixia 49
pura Barnes and McDunnough,
Crambidia 122
pura Guehée), Scopula 71
purpurascens (Packard),
Sithenopis 9
purpurea Barnes and McDunnough,
Egira 159
[purpurea McDunnough,
Apharetra] 154
purpurea Walker, Adela 10
purpurigera (Walker), Pseudeva 142
purpurissata (Grote), Polia 161
pustularia (Guehée), Itame 80-1
pul (Grote and Robinson),
Anathix 154
purpballi (Grote), Plusia 142
Pygaerinae 112
Pyla Grote 61
pylades (Scudder), Thorybes 16
Pyralidae 47
pyraliformis (Walker),
Carmenta 14
Pyraliformes 57
Pyralinae 57
Pyralis Linné 57
Pyraloidea 47
pyramidalis (Walker), Albuna 12
pyramidoides Guenée,
Amphipyra 148
pyramusalis (Walker),
Phalaenophsa 134
Pyrausta Schrank 52
Pyraustinae 50
Pyraustini 50
Pyrefera Franclemont 157
Pyrginae 15
Pyrgus Hübner 17
pyrs (Harris), Synanthedon 13
Pyrrha Packard 124
Pyrhrhia Hübner 167
quadralis Barnes and McDunnough, Hypena 135
quadrata (Grote), Acronicta 146
quadrata (Grote), Papestra 161
quadriguttatus (Grote), Sthenopis 9
quadrilineata (Packard), Scopula 71
quadrisignata Walker, Metalectra 137
quadristigmalis (Gueneé), Palpita 54
quebecensis (Smith), Euxoa 164
quenseri (Paykull), Grammia 129
quercivoraria (Gueneé), Besma 93
quernaria (J. E. Smith), Nacophora 89
querquera Grote, Lithophane 156
quinquemaculata (Haworth), Manduca 104
R
Rachiplusia Hampson 142
radcliffei (Harvey), Acronicta 146
radix (Walker), Lacanobia 159
ralla (Grote and Robinson), Anathix 154
ramosula (Gueneé), Nedra 152
ranalis (Gueneé), Blepharomastix 53
rantalis (Gueneé), Achlya 51
rapae (Linné), Pieris 25
Raphia Hübner 145
Raphiptera Hampson 55
ravocostalata Packard, Eupithecia 78
reconditalis (Walker), Diathrausta 53
rectangula (W. Kirby), Syngrapha 142
[rectangulata Ottolengui, Habrosyne] 66
[rectilinea (French), Grammia] 128
recurvalis (Fabricius), Spoladea 53
rediviculis (Morrison), Euxoa 165
reductella (Walker), Tlascala 61
refractaria (Gueneé), Metarrhantis 91
refusaria (Walker), Heterophleps 79
relicta Walker, Catocala 139
reluctalis (Hulst), Abegesta 49
Renia Gueneé 135
renicolalis (Zeller), Nephrorogama 49
reniculelloides Mutuura and Munroe, Dioryctria 61
reniformis (Grote), Celaena 150
renigera (Stephens), Lacinipolia 160
renunciata (Walker), Hydriomena 73
repanda Walker, Panopoda 137
residua Grote, Catocala 139
retadata (Walker), Acronicta 146
retecta Grote, Catocala 139
[reversa (F. & R. Chermock), Charidyras nyciteis] 40
reversa (Stretch), Haploa 123
reversalis (Gueneé), Uresiphita 52
revicta (Morrison), Orthosia 161
rhodarialis (Walker), Phytometra 137
Rheumaptera Hübner 74
Rhodocelia Hampson 167
Rhynchagrotis Smith 166
ribearia (Fitch), Itame 81
ridingsella Clemens, Adela 10
ridingsiana (Grote), Euxoa 165
rileyana Harvey, Heteropacha 97
rimonsa Packard, Pheosia 115
Riodinidae 34
riparia Morrison, Onocenmis 157
Rivula Gueneé 138
Rivulinae 136
rivulosa (Gueneé), Schinia 167
robiniae (Peck), Prionoxystus 15
robustella Zeller, Tetralopha 59
rogatalis (Hulst), Hellula 49
rogenhoferi (Möschler), Polia 161
rolandi Grote, Psaphida 157
rolandiana Grote, Exyra 144
rosea (Harvey), Sideridis 161
rosea (Walker), Oreta 68
rotundalis (Walker), Idia 134
rotundopennata (Packard), Idaea 70
rozmani Berio, Diperygia 151
rubberata (Freyer), Hydriomena 73
rubricoma Gueneé, Acronicta 146
rubicunda (Fabricius), Dryocampa 99-100
rubida Ottolengui, Autographa 141
rubifera (Grote), Diarsia 163
rubigalis (Gueneé), Udea 52
[rubricosa (Harris), Phragmatobia fuliginosa] 127
rubrifasciella Packard, Acrobatis 60
rubrifrontaria (Packard), Nemoria 69
[rubrofasciata Barnes and McDunnough, Limenitis arthemis] 41
[rubromarginaria (Packard), Nemoria bistriaria] 69
ruficollata Guenée, Mesoleuca 74
rufimargo (Hübner), Panopoda 137
rufipunctus (Morrison), Protolampra 166
rugosa (Morrison), Trichodestra 162
ruperti Franclemont, Chytonix 150
ruricola (Boisduval), Euphyes 22
ruricolella (Zeller), Agriphila 56
russeliata Swett, Eupithecia 78
saepiolus (Boisduval), Plebejus 33
[saga (Staudinger), Boloria frigga] 39
Salebriaria Heinrich 60
[Salia Hübner = Colobochyla Hübner] 136
salicarum (Walker), Metalepsis 165
salicis (Linné), Leucoma 133
Samia Hübner 102
[samoset (Scudder), Amblytarsites] 22
[samuelis Nabokov, Lycaenides melissa] 33
Sarata Ragonot 62
Sarrothripinae 143
sasacatis Harris, Hesperia 19
Saturniidae 99
Saturniinae 101
Saturniini 101
satyrata Hübner, Eupithecia 78
satyricus Grote, Ufeus 166
Satyrini 44
Saxastra 15
Satyrium Scudder 29
Satyrosodes Scudder 42
satyrus (Edwards), Polygonia 35
saucia (Hübner), Peridroma 166
Saurobotys Munroe 50
saundersiana Grote, Oncocnemis 157
saxifragae (Hy. Edwards), Synanthedon 13
scabride (Fabricius), Hypena 135
[scabriuscula (Linné), Dipterygina] 151
scandens (Riley), Euxoa 164
[scapha (Harris), Prolimacodes] 46
Schinia Hübner 167
Schizura Doubleday 119
Schoenobiinae 54
[Schoenobius Duponchel = Donacaula Meyrick] 54
scholastica McDunnough, Euxoa 165
scitipennis Walker, Notodonta 115-6
scitisscripta Walker, Cerura 121
scitula (Harris), Synanthedon 13
scobialis (Grote), Idia 134
Scolecocampa Guenée 138
Scoliopteryx Germar 138
Scolitantidini 33
scolopendrina (Boisduval), Furcula 121
Scoparia Haworth 47
Scopariinae 47
Scopula Schrank 71
Scopulini 71
scribonia (Stoll), Ecpanteritha 126
scripta (Gosse), Habrosyne 66
scriptana (Walker), Nycteola 143
[scudderi (Packard), Parasemia] 124
secedens (Walker), Anartomima 159
secta (Grote), Hyperstratia 144
secundella Ely, Acrobasis 60
selecta (Walker), Syngrapha 142
selene (Denis and Schiffermüller), Boloria 39
Selenia Hübner 91
[selenis W. Kirby, Phyciodes] 39
semiaperta (Hulst), Eustroma 72
seminata (Walker), Oligia 152
semilarata (Walker), Lomographa 86
semisunatalis (Walker), Euzophera 62
Semiothisa Hübner 81
Semiothisini 80
[semipurpurea (Walker), Phytometra] 137
semirelicta Grote, Catocala 139
semirufescens (Walker), Oligocentria 120
semiusa Grote, Lithophane 156
[semplei Holland, Oeneis melissa] 44
senatoria (J. E. Smith), Anisota 100
sennae (Linné), Phoebis 27
sensilis Grote, Chytonix 150
septentrionalis Walker, Glyphisia 116

S
[stragula Grote, Notodonta] 115-6
stramentosa Guenée, Hydraecia 151
stramineus (Walshingham), Oideaematophorus 65
stratona Packard, Eupithecia 78
Stretchia Hy. Edwards 162
strigataria (Minot), Phigalia 86
strigosa (Grote), Clostera 113
[strigulosa McDunnough, Oeneis chryxus] 44
Strymon Hübner 31
Strymonini 29
[stygia McDunnough, Rheumaptera subhastata] 74
stypicellum Grote, Homoeosoma 62
styracis (Guenée), Psaphida 157
subaequaria Walker, Petrophora 90
subcaesiella (Clemens), Nephopterix 61
subcessaria (Walker), Itame 81
subflava (Grote), Archanara 149
subfuscata (Haworth), Eupithecia 78
subfuscella (Ragonot), Nephopterix 61
subgothica (Haworth), Feltia 165
subhastata (Nolcken), Rheumaptera 74
subjuncta (Grote and Robinson), Lacaena 159
sublunaria (Guenée), Cleora 84
submarmorata (Walker), Semiothisa 82
submedialis (Grote), Mecyna 53
submediana Strand, Zale 140
subnata Grote, Catocala 139
subrosea (Stephens), Eugraphe 164
subrota Harvey, Heterocampa 118
subsequalis (Guenée), Pyrausta 52
subsignaria (Hübner), Ennomos 90
substriataria (Hulst), Epiphantus 90
subtetricella (Ragonot), Myelois 60
sulphuraria Packard, Hesperumia 83
sulphurea (Packard), Itame 81
Sunira Franclemont 158
superans Guenée, Acontia 146
superatalis Clemens, Epipaschia 58
surena (Grote), Syngrapha 142
sutor Guenée, Condica 150
Sutyna Todd 158
swetti Grossbeck, Eupithecia 78
sylviella Ely, Acrobasis 60
Symmerista Hübner 117
Sympistis Hübner 158
Synanthedon Hübner 13
Synanthedonini 13
Synchlorella Guenée 69
Synchlorini 69
[Synedoida Hy. Edwards = Drasteria Hübner] 136
Syngrapha Hübner 142
synohipis (Grote and Robinson), Malathia 145
syriaceae (Harris), Podosesia 13
[Syrhodia Hübner = Erastris Hübner] 87

T

tacoma (Strecker), Trichodestra 162
Taqaparia Walker 90
Taleporiinae 11
tahodiformis Guenée 151
Tarachidia Hampson 145
tarda (Guenée), Anorthodes 148
tarquinius (Fabricius), Fenisea 28
[taylorata Swett, Eupithecia intricata] 78
taylorella (Kearfott), Lampronia 10
Tebenna Billberg 14
Telethusia Heinrich 61
tenebrifera (Walker), Cerastis 163
tenebrorella (Hulst), Salebraria 60
tenera Hübner, Cynia 130
tenacula (Morrison), Xestia 167
tenuidactyla Fitch, Geina 64
tepida Grote, Lithophane 157
teratophora (Herrich-Schäffer), Anterastria 147
terminimaculata (Grote), Acontia 144
terrenella Zeller, Aphomia 59
tersa (Linne), Xylophanes 111
tesselarlis (J. E. Smith), Halysidota 129-30
tesselata (Harris), Euxoa 165
tesseradactyla (Linne), Platyptilia 65
testaceata Packard, Torricidea 46
testata (Linne), Eulithis 72
Tetanolita Grote 135
teterrella (Zincken), Parapediasia 56
Tetracis Guenée 94
tetradella (Zeller), Peoria 63
Tetralopha Zeller 58
textula (Herrich-Schäffer), Isa 47
tharos (Drury), Phyciodes 40
Thaumatopsis Morrison 56
thaxteri Grote, Lithophane 157
thaxteriana (Grote), Psaphida 157
themistoecles (Latreille), Polites 20
Thera Stephens 73
theralis (Walker), Polyngon
theseusalis (Walker),
Herpetogramma 54
thestealis (Walker),
Herpetogramma 54
thisoaria (Guenée), Antepione 95
[thoe (Guérin-Ménéville),
Lycaena] 28
Thopeutis Hübner 57
thoracica (Putnam-Cramer),
Xylena 158
thoreauii (Grote and Robinson),
Schinia 167
Thorybes Scudder 15
thule Streeker, Sthenopis 9
Thyatiridae 66
Thyatirinae 64
Thyridioidea 64
Thyris Laspeyres 64
Thysania Dalman 138
thysbe (Fabricius), Hemaris 109
tibialis (Harris), Sesia 13
tigrinaria (Guénéé), Euchaena 88
tiliaria (Harris), Erannis 86
Timandriini 70
tinctaria (Walker), Orthofidonia 83
Tineoidea 11
Tinthiinae 12
tipuliformis (Clerck),
Synanthedon 13
Tirathabini 59
titan (Cramer), Aellopos 109
titania (Esper), Boloria 39
titea (Cramer), Phigalia 86
titus (Fabricius), Harkencleenus 29
Tlascala Hulst 61
[toddi (Holland), Boloria
bellona] 38
togata Esper, Xanthia 158
Tolype Hübner 97
tonsa (Grote), Oligia 152
toparia (Zeller), Chrysoteuchia 55
torrefac (J. E. Smith),
Apatelodes 96
Tortricidia Packard 45
torticina (Zeller), Tarachidia 145
Tortricoidea 15
Tosale Walker 58
Trachea Ochsenheimer 154
tragopoginis (Clerk),
Amphipyra 148
transfigurata Swett, Hydriomena 73
transitaria (Walker), Semiothisa 82
transversata (Drury),
Prochoerodes 95
[treatii (Grote), Holomelina
lacta] 124
triangulifer Grote, Cirrophanus 150
Trichoclea Grote 162
Trichodestra McCabe 162
Trichodezia Warren 76
Tricholita Grote 162
[Trichoplectia Hampson = Apamea
Ochsenheimer] 148
Trichoplusia McDunnough 142
Trichoptilus Walshingham 64
[triclaris (Hübner), Bellona
eunomia] 38
tricolorella Grote, Acrobasis 60
tricosa (Lintner), Feltia 165
trifascia Hübner, Schinia 167
trifolii (Hufnagel), Discera 159
triguttaria Herrich-Schäffer 79
[tripartitus (Grote),
Smerinthus] 107
Triphosa Stephens 73
tripunctaria Herrich-Schäffer,
Eupithecia 78
triquetrana (Fitch), Nola 144
triseptata (Walker), Pediadisa 56
trisignata (Walker),
Harrismemna 147
[tristata auct., Epirrhoe sperryi] 75
tristigmata (Grote), Eupilia 155
tristis Smith, Acronicta 146
tristrigella (Walker), Balsa 149
tritona (Hübner), Acronicta 146
Troidini 23
troillus Linné, Papilio 24
truncata (Hufnagel), Dysstroma 72
truncataria (Walker), Epelis 81
truncatella (Zetterstedt), Pediadisa 56
tuberculalis Lederer,
Crocidophora 51
*Tulsa* Heinrich 61
*turbatella* (Walker), Arequipa 55

**U**

*u-aurum* (Gueneé), *Syngrapha* 142
*Udea* Gueneé 52
*Ufeus* Grote 166
*ulmiarrosorella* (Clemens), Canarsia 62
*Ulolonche* Smith 162
*ulsterata* (Pearsall), *Semiothisa* 82
*ultronia* (Hübner), *Catocala* 139
*umbra* (Hufnagel), *Pyrrhia* 167
*umbra* (Walker), *Heterocampa* 118
*umbripennis* (Hulst), *Tusla* 61
*unangulata* (Haworth), *Euphryia* 76
*undularis* (Packard), *Mispogada* 117
*unicolor* (Packard), *Tusla* 61
*unicorellum* Hulst, *Oreana* 60
*unicornis* (J. E. Smith), *Schizura* 119
*unifascialis* (Packard), *Pyrausta* 52
*unijuga* Walker, *Catocala* 139
*unilineata* (Grote), *Zyteleva* 87
*univittata* (Gueneé), *Lomographa* 87

**V**

*vaccinii* Riley, *Acrobasis* 60
*vacciniviors* Munroe, *Tetralopia* 59
*vagans* (Barnes and McDunnough), *Dasychira* 132

*Vanessa* Fabricius 36
*variolaria* Guenée, *Cabera* 87
*vassiliata* (Guenné), *Anticlea* 75
*vau-album* (Denis and Schiffermüller), *Nymphalis* 36
*Vaxi* Bleszynski 57
*vecors* (Gueneé), *Condica* 150
*vecors* (Gueneé), *Pseudorthodes* 161
*velata* (Walker), *Amphhipoea* 148
*velleda* (Stoll), *Tolypha* 97
*velleripennis* (Grote), *Euxoa* 165
*vellivolata* (Hulst), *Anacamptodes* 83
*venerabilis* Walker, *Agratis* 163
*ventralis* (Grote and Robinson), *DIastictis* 54
*Venusia* Curtis 76
*venusta* (Walker), *Plusia* 142
*verbacoides* (Gueneé), *Apamea* 149
*verna* (Edwards), *Pompeius* 20
*vernata* (Peck), *Paleacrita* 86
*verruca* (Fabricius), *Argyrogramma* 141
*versicolor* (Grote), *Elaphria* 151
*versicolor* (Harris), *Darapsa* 111
*vestalura* (Gueneé), *Lomographa* 87
*vestale* (Packard), *Spilosoma* 122, 125
*[vestris* Boisduval, *Euphyes* *ruricola]* 22
*vetusta* Walker, *Agroith* 163
*vetustella* (Dyar), *Nephoterix* 61
*vialis* (Edwards), *Amblyscirtes* 22
*viator* (Edwards), *Poanes* 21
*vibex* (Geyer), *Polites* 20
*viburni* Engelhardt,
*Synanthedon* 13
*vicina* (Grote), *Lacinipolia* 160
*vides* (Guenné), *Conidica* 150
*vidua* (J. E. Smith), *Catocala* 139
*villificans* Barnes and McDunnough,
*Hyperstrotia* 144
*viinnula* (Grote), *Acronicta* 146
*vinulenta* (Grote), *Eupsilia* 155
*[violacea* (Edwards), *Celastrina]* 33
*violeacearia* (Walker), *Idaea* 70
*virescens* (Fabricius), *Heliothis* 167
*virgatella* (Clemens),
*Nephoterix* 61
*virginalis* (Hulst), *Protitame* 80
*virginica* (Esper), *Ctenucha* 131
*virginioum* (Fabricius),
*Spilosoma* 125-6
*virginiensis* (Drury), *Anisota* 100
<table>
<thead>
<tr>
<th>Species</th>
<th>Author</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>virginiensis (Drury)</td>
<td>Vanessa</td>
<td>36</td>
</tr>
<tr>
<td>virginiensis (Edwards)</td>
<td>Pieris</td>
<td>25</td>
</tr>
<tr>
<td>virgo (Linné)</td>
<td>Grammia</td>
<td>129</td>
</tr>
<tr>
<td>virguncula (Kirby)</td>
<td>Grammia</td>
<td>129</td>
</tr>
<tr>
<td>viridata (Packard)</td>
<td>Acasis</td>
<td>79</td>
</tr>
<tr>
<td>viridisigma Grote</td>
<td>Syngrapha</td>
<td>142</td>
</tr>
<tr>
<td>viriditineta Smith</td>
<td>Oncocnemis</td>
<td>157</td>
</tr>
<tr>
<td>Vitacea Engelhardt</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>[vittata (Fabricius), Apantesis]</td>
<td></td>
<td>127</td>
</tr>
<tr>
<td>[vividior Munroe, Anageshna]</td>
<td></td>
<td>53</td>
</tr>
<tr>
<td>volubilis Harvey</td>
<td>Agrotis</td>
<td>163</td>
</tr>
<tr>
<td>vulgaris (Grote and Robinson)</td>
<td>Apamea</td>
<td>149</td>
</tr>
<tr>
<td>vulgivagella (Clemens)</td>
<td>Agriphila</td>
<td>56</td>
</tr>
<tr>
<td>vultuosa (Grote)</td>
<td>Apamea</td>
<td>149</td>
</tr>
<tr>
<td>W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wallengrenia Berg</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>walshella Clemens</td>
<td>Solenobia</td>
<td>11</td>
</tr>
<tr>
<td>[wardi Riotte, Orgyia]</td>
<td></td>
<td>132</td>
</tr>
<tr>
<td>warnerae (Harvey)</td>
<td>Metarrhantis</td>
<td>91</td>
</tr>
<tr>
<td>whitmerellus Klots</td>
<td>Crambus</td>
<td>55</td>
</tr>
<tr>
<td>williamsi (Dodge)</td>
<td>Grammia</td>
<td>129</td>
</tr>
<tr>
<td>[winni (Gunder), Speyeria</td>
<td>aphrodite]</td>
<td>37</td>
</tr>
<tr>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xanthia Ochsenheimer</td>
<td></td>
<td>158</td>
</tr>
<tr>
<td>xanthioides Guenée</td>
<td>Perigea</td>
<td>153</td>
</tr>
<tr>
<td>xanthoides (Boisduval)</td>
<td>Lycaena</td>
<td>29</td>
</tr>
<tr>
<td>xanthometata (Walker)</td>
<td>Mellilla</td>
<td>81</td>
</tr>
<tr>
<td>Xanthophyza Munroe</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>Xanthorhoe Hübner</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>Xanthorhoini</td>
<td></td>
<td>75</td>
</tr>
<tr>
<td>Xanthotype Warren</td>
<td></td>
<td>88</td>
</tr>
<tr>
<td>Xestia Hübner</td>
<td></td>
<td>166</td>
</tr>
<tr>
<td>Xubida Schaus</td>
<td></td>
<td>57</td>
</tr>
<tr>
<td>Xylena Hübner</td>
<td></td>
<td>158</td>
</tr>
<tr>
<td>xylinoisides (Guenée)</td>
<td>Hyppa</td>
<td>151</td>
</tr>
<tr>
<td>Xylomoia Staudinger</td>
<td></td>
<td>154</td>
</tr>
<tr>
<td>Xylophanes Hübner</td>
<td></td>
<td>111</td>
</tr>
<tr>
<td>Xylotype Hampson</td>
<td></td>
<td>158</td>
</tr>
<tr>
<td>[Xystrota Hulst = Leptostales Möscher]</td>
<td></td>
<td>71</td>
</tr>
<tr>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>y-inversum Packard</td>
<td>Apoda</td>
<td>46</td>
</tr>
<tr>
<td>[youngata Taylor, Eupithecia perfusea]</td>
<td></td>
<td>78</td>
</tr>
<tr>
<td>youngellus Kearfott</td>
<td>Crambus</td>
<td>55</td>
</tr>
<tr>
<td>youngii (Smith)</td>
<td>Xestia</td>
<td>167</td>
</tr>
<tr>
<td>Yponomeuta Latreille</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Yponomeutidae</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Yponomeutoidea</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zale Hübner</td>
<td></td>
<td>140</td>
</tr>
<tr>
<td>[Zanclognatha Lederer = Polypogon Schrank]</td>
<td></td>
<td>134</td>
</tr>
<tr>
<td>zarucco (Lucas)</td>
<td>Erynnis</td>
<td>17</td>
</tr>
<tr>
<td>zea (Boddie)</td>
<td>Helicoverpa</td>
<td>167</td>
</tr>
<tr>
<td>zeeae (Harris), Achatodes</td>
<td></td>
<td>148</td>
</tr>
<tr>
<td>zeellus (Fernald)</td>
<td>Crambus</td>
<td>55</td>
</tr>
<tr>
<td>zenobia (Cramer)</td>
<td>Thysania</td>
<td>138</td>
</tr>
<tr>
<td>Zerene Hübner</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>zetterstedtii (Staudinger)</td>
<td>Sympistis</td>
<td>158</td>
</tr>
<tr>
<td>Zygloptera</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>zimmermani (Grote)</td>
<td>Dioryctria</td>
<td>61</td>
</tr>
<tr>
<td>zinckenella (Treitschke)</td>
<td>Etiella</td>
<td>60</td>
</tr>
<tr>
<td>Zophodia Hübner</td>
<td></td>
<td>62</td>
</tr>
<tr>
<td>Zygaenidae</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>Zygaenoidea</td>
<td></td>
<td>45</td>
</tr>
</tbody>
</table>
Annotated List of Ontario Lepidoptera

J. C. E. Riotte

This checklist summarizes current knowledge about the distribution and taxonomy of the major groups of moths and butterflies in Ontario. The author, J. C. E. Riotte, is a research associate in the Department of Entomology, Bishop Museum, Honolulu, and also in the Department of Entomology, Royal Ontario Museum.

Books of related interest from the Royal Ontario Museum:

Revision of the Caddisfly Genus Psilotreta (Trichoptera: Odontoceridae)
Life Sciences Contributions 144
C. R. Parker and G. B. Wiggins

Revision of the World Species of Spalangiopelta (Hymenoptera: Chalcidoidea: Pteromalidae: Ceinae)
Life Sciences Contributions 155
D. Christopher Darling

Ross D. James
Life Sciences Miscellaneous Publications

Shrubs of Ontario
James H. Soper and Margaret L. Heimburger
Life Sciences Miscellaneous Publications