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# TB109: A List of the Lepidoptera of Maine--Part 2: The Microlepidoptera Section 1 Limacodidae Through Cossidae

Auburn E. Brower

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# A LIST OF THE LEPIDOPTERA OF MAINE

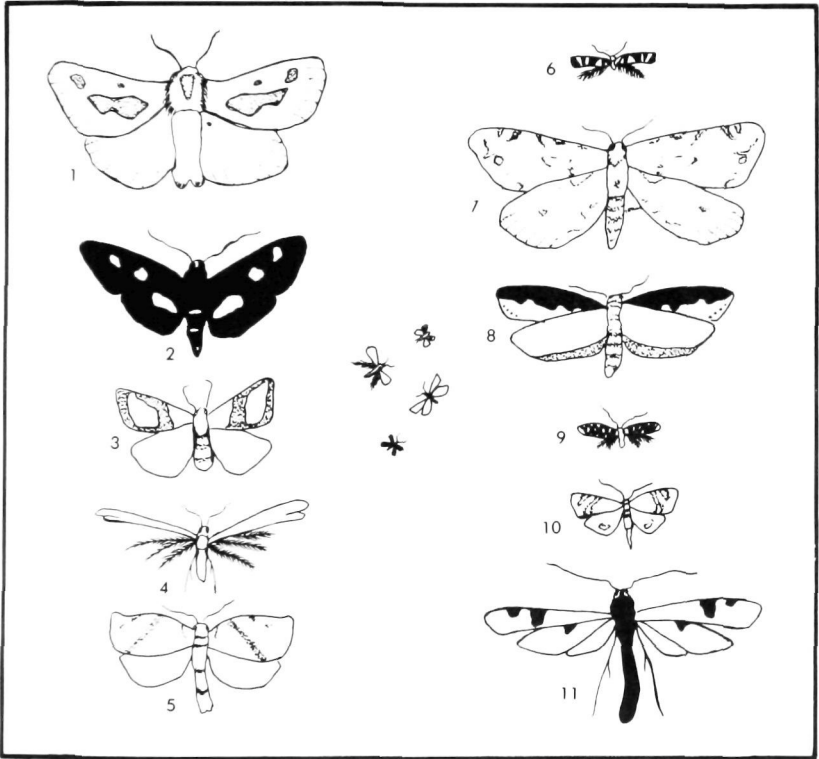
## Part 2

### THE MICROLEPIDOPTERA

#### Section I

### LIMACODIDAE THROUGH COSSIDAE

Auburn E. Brower



*Get Landry*

**A JOINT PUBLICATION OF THE  
MAINE DEPARTMENT OF CONSERVATION**  
Maine Forest Service  
Division of Entomology, Augusta, Maine  
and the  
**DEPARTMENT OF ENTOMOLOGY, ORONO**  
Maine Agricultural Experiment Station

August 1983

Representatives of the Diverse Groups of Included Microlepidoptera

- 1 Slug moth
- 2 Pyralid moth
- 3 Argyrid moth
- 4 Plume moth
- 5 Bell moth
- 6 Cosmopterygid moth
- 7 Gelechiid moth
- 8 Ethmiid moth
- 9 Gracilariid moth
- 10 Glyphipterygid moth
- 11 Aegeriid moth

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A LIST OF THE LEPIDOPTERA OF MAINE  
Part 2

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Maine Agricultural Experiment Station  
University of Maine at Orono



## **DEDICATION**

To the many collectors who secured many thousands of specimens; the taxonomists who assisted in the difficult determination work; and to Professor Emeritus Geddes W. Simpson, who edited this bulletin for publication.



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## FOREWORD

In 1974 Dr. Auburn E. Brower, with the support of the Maine Agricultural Experiment Station, authored a publication on the Macrolepidoptera of Maine. This listing of species and locations is invaluable to entomologists, naturalists, and ecologists. Now Dr. Brower has tackled an even greater subject, of which part is being published herein. The Microlepidoptera is a much larger group of insects than the Macrolepidoptera; relatively less is known about these insects, primarily because of their smaller sizes. The value of this publication, therefore, is even greater to amateur and professional scientists. It is with great pleasure that I am asked to submit his work for publication, which will be valued by future generations of interested people.

Professor Howard Y. Forsythe, Jr.  
Chairman,  
Department of Entomology  
Maine Agricultural Experiment  
Station

The importance of accurate documentation of historical events has long been recognized and the compilation of insect records for an area by a competent specialist as a result of his life work is no less significant. This list of Microlepidoptera is a part of the culmination of a life of observing, collecting, rearing, and identification of an important group of insects by a recognized naturalist and taxonomist. The author spent long hours over 52 years of dedicated work in Maine making his vocation and avocation a foundation for this valuable set of records. Because of his extensive travel throughout the state and the length of time he has devoted to this single order of insects, the records accumulated reflect fairly accurately a high percentage of the species which probably occur in Maine. This will undoubtedly be one of the most complete lists available for the group in the Northeast. Being the meticulous individual that he is, Dr. Auburn E. Brower, always stressed accuracy and verification of records. All entries in this list have been backed by known specimens either collected by or seen by the author and these specimens will be deposited in the USNM for future reference. Unlike some more hastily constructed lists for other states, these records can always be checked should future taxonomic changes necessitate a review of some groups.

Through the activities of man we are seeing many changes in the environment and in the nature of insect problems in our state. It is becoming increasingly evident that some sort of faunistic base line be documented against which changes of species composition, distribution, and

abundance can be measured. This list should serve this purpose well for the Microlepidoptera. It should also serve as a valuable reference for biologists in field and laboratory studies in future years in a variety of other ways as well. In dealing with forest insects in Maine, *A List of the Lepidoptera of Maine—Part I The Macrolepidoptera* by Dr. A.E. Brower has been an invaluable reference and we expect the sections on Microlepidoptera to be at least as valuable. When completed, the entire list of species in the order may also see valuable use as a part of coordinated North American biological survey programs now gaining momentum and support in both Canada and the United States.

Richard G. Dearborn  
Survey Entomologist  
Maine Forest Service

## PREFACE

I worked on the Lepidoptera of the Ozark region for a number of years, some seventy years ago, completing a list of the butterflies of southwest Missouri and bringing to the East a considerable collection of Lepidoptera including some rare species. At Cornell, between 1928 and 1931, I worked with others on additions to the New York List and operated the light traps there. During those years, I had the important assistance of Dr. W.T.M. Forbes with determinations; also some from A.B. Klotz. At that time I began adding named northeastern species to my collection by exchange. I also visited many museums and private collections on determination work, and purchased desirable specimens. After coming to Maine with my material, I began working on the collections and lists of Dr. William Procter, D.W. Farquhar, Dr. F.M. Jones, and Charles P. Kimball, all of whom were actively working on their lists for portions of the New England area, and I worked with them and received extensive help and material from them. Determination work and exchange with other list makers and collectors added greatly to my New England material. Gradually, I acquired the great and important Lepidoptera collection and library of S. Albert Shaw, who had worked on the micros for over forty years (at Hampton, N.H., near Maine's southern border), supplying types for many of W.D. Kearfott's and Dr. W.G. Dietz's species. The many specimens named by Kearfott and others from Shaw's specimens and those which Shaw secured from other collectors made this a valuable collection. In addition to those named above, I have had important help from Walter Clayton, Paul Grey and from my wife, Lurana, who has labelled and recorded insects and typed and proofread manuscripts. Many others have supplied material.

Soon after coming to Maine, I began spending every other vacation in Washington, D.C. at the U.S. National Museum on identification work, where the greatest amount of assistance was available with the help of Carl Heinrich, August Busck, Dr. J.F.G. Clarke, and many others. Other times at the Canadian National Collection Drs. J. McDunnough, Tom Freeman, and Eugene Munroe gave generous assistance. Other museums such as those at Harvard, Yale, Carnegie, the Philadelphia Academy and the American Museum of Natural History have been visited and their collections worked, as have most of the larger private collections in eastern America. An attempt has been made to learn of every Maine collection and to work it. Very little basic taxonomic and descriptive work has been done in this area, except that by Professor C.H. Fernald. Throughout the years that this work has gone on in Maine, a definite effort has been made to collect and assemble sizeable numbers of specimens in difficult genera and families, and to submit material to specialists to further their work and to secure the recognition of the greatest number



*The author at a relict glacial pool near Southwest Harbor, Maine, type locality for *Nymphula broweri* Heinrich. These pools seem to be unusual in the northeast, but this species has been taken by the author in eight locations of this type in Maine. No out-of-state records are known.*

of species from the area and the most accurate names possible. Exchanging for and purchasing additional species of this area to assist in determinations has continued.

No New England State, at the moment, has an important list of Lepidoptera, excepting the local Mt. Desert Island lists of Dr. Procter. This work on the limited fauna of Mt. Desert Island has resulted in a most important coastal list. The great need for a good Maine list has spurred over fifty years of work on my part. My professional work has taken me to a great many places in Maine. Learning the habitats and habits of many species has led to selecting the areas where many of these might be secured on my own time and has led to many productive trips and to exploring the far reaches of Maine. A great many records and specimens have been secured in these fifty years.

A large number of micro genera have had but little study; there are many undescribed species, and so the problems of producing a list are multiplied. Part 2 on the Microlepidoptera is a continuation in most

ways of Part 1 on the Macrolepidoptera,\* published in 1974. The larger number of small-sized to tiny species, so often separated by difficult microscopic characters, and often needing rearing for specific determination, have attracted far fewer collectors than have the macros. I have done considerable rearing, but little in comparison to what is needed; it is impossible for one individual to do that considering the large amounts of lighttrap materials to be handled and one's normal professional duties. The very large number of similar, variable, difficult-to-determine, and poorly known micro species has demanded that much time and effort be devoted to the determination of species. Unless a specialist on a group has been available, microscopic work has been done, to observe difficult features of the venation, genitalia, and the varying anatomical structures used in identification.

Unlike Part 1, the number of specimens of each sex has not been given, because it is usually nearly equal. This list has an outstanding difference in that the bulk of the records is based on specimens in my collection and is thus available for checking and comparison. For many names, specimens determined by specialists are present. Additional records of determinations by specialists seen by me in collections or in their publications have been added. Other records in the literature are generally disregarded as too uncertain. In general, localities are enumerated from the southwest or west eastward, ending in the cooler southeast. Where there are few or no Maine records, those from New Hampshire and bordering Canadian Provinces have been used. Maine has a considerable number of species which appear to have come into the state from the North, and these records often start with northern localities. Some may actually be from the northeast. There are a small number of apparently relict species in the large river valleys, coming from the south and which were established before the ice age. Localities other than those which may be found on the Maine State Highway map, are listed at the end with a near locality or geographical feature. When, after a locality, another is given in parentheses, the parenthetical locality is always nearby. Explanation of the TR numbers will be found at the end of Part 2, Section 2 along with a map.

A very large number of specimens has been available for this list, especially collections made by use of light. Many persons have collected at light for me, especially Dr. William Procter of Bar Harbor, Bruno Spies of Farmington, and Lee Haywood of Vassalboro; the latter two collected for years with a large walk-in trap from April to October, when the weather was favorable, Paul Grey of Lincoln and my son, John H. Brower, have collected high class material. Other methods, such as beating, searching, baiting, sugaring, and rearing have been used to secure many

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\*Maine Agricultural Experiment Station Technical Bulletin 66.

species not collected otherwise. A considerable number of micros overwinter as adults and some records have been available for every month of the year.

Maine is divided into over 800 political areas and a large part of these has been reached by me in connection with my professional work or on personal collecting trips, often by trips to hitherto unreached areas. Outside of collecting at light, about all of the special work has fallen on me, and Maine's nearly twenty million acres are simply too extensive for one person to be able to reach the numerous ecological areas from the seashore to mountain tops from March through October. Besides the many trips to the seashore and to islands, I have made more than one hundred to above the tree line of the mountains.

The time of year for collecting for this list needs some clarification. There are many species of moths present in Maine during every month. They hibernate very successfully. Some years some species become active in March and the largest number of species are on the wing before the first of July. A considerable number of species appear from along in August and some fly some years into December. There are more day-flying and arctic-alpine day-flying species in the list than many would imagine and the bulk of these specimens were of my own collecting. An examination of records for localities shows high numbers for Bar Harbor (Brower and Procter); Augusta (Brower and family); Farmington (Bruno Spies, the most persistent six years of all collecting and with the use of my big walk-in trap); Vassalboro (Leland Haywood, and walk-in trap); and Lincoln (Paul Grey and family, 1932 to date). Good material was not received from the forestry traps until after 1950, though the largest numbers are from this source.

In 1941 the Maine Forest Service initiated a light trap collecting program, using a variety of light sources, to supply information on the rising spruce budworm outbreak and on other forest pests. I helped to develop this program into a large source of moths for an average of 25 traps, operated from July 4 through August 4, for a period of 26 or more years. These were killing traps, tended by fire control personnel, that provided a large quantity of usually rubbed and often broken material. Most of this material was packed too closely before it was dry and decomposition had set in, rendering the specimens extremely fragile and brittle; palpi, antennae, tongues, legs, and other parts needed for identification were gone or not visible. After desired official records were made, some three to four million moths were available to me for use on my own time. Some I could identify outright, others, after relaxation, by use of a microscope. Many others were held to be relaxed, dissected, genitalia made available to be mounted, labelled, and studied after a series of specimens was accumulated. A chief drawback in this material was its generally poor condition, and a too-limited period of collection, but it

did provide a large number of records of many common species, and some uncommon and rare species.

For a much fuller discussion of the conditions, situations, and basis for my work on Maine moths, the twelve page introduction to Part 1 on the Macrolepidoptera should be consulted. Far fewer collectors have collected any important number of the true micros, and far less has been published on them than on the macros. The so-called primitive families have received more special attention. Since the number of species of micros is considerably larger, they present many more difficult areas for determination work. One of the leading specialists on micros has said he believes that half of the specimens of micros in collections are misdetermined, which means changes in some names will come in time. In the case of some obviously distinct species which I wished to include in this list, I have had to use keys or descriptions which are less accurate. The great need in the micros is for carefully recorded rearing work. This list having many localities with a large number of individuals (up to over 1000 individuals of a species) supplies much information for scientific workers and lepidopterists.

Auburn E. Brower  
Visiting Professor of Entomology  
University of Maine at Orono  
Formerly, Entomologist  
Maine Forest Service  
Augusta, Maine





# MICROLEPIDOPTERA

## Family LIMACODIDAE

McDunnough list numbers	Genus EUCLEA Hübner 1822	number of specimens
5234	<b>delphinii</b> Boisduval 12 localities, 2 June-3 August	67
<b>Genus ADONETA Clemens 1860</b>		
5246	<b>spinuloides</b> Herrich-Schaeffer Hampton, N.H., 10 July, 22 July 2	3
<b>Genus NATADA Walker 1855</b>		
5252	<b>nasoni</b> Grote Augusta, 20 August, 24 August	2
<b>Genus PHOBETRON Hübner 1827</b>		
5254	<b>pithecium</b> Abbot & Smith, hag moth Norway, 20 July, 26 July; Farmington, 28 June; Wyman Dam, 3 July	4
<b>Genus PROLIMACODES Schaus 1896</b>		
5260	<b>badia</b> Hübner Hampton, N.H., 22 July	1
<b>Genus LIMACODES Latreille 1825</b>		
5262	<b>biguttata</b> Packard Biddeford, 10 July; N. Bridgton, 3 July; Mt. Vernon, 8 July, 10 July; Damariscotta, 5 July; Kittery Point, 10 July; Augusta, 8 July 2, 9 July, 11 July, 14 July, 15 July; Vassalboro, 4 July 2, 14 July, 16 July 3, 24 July	19
5264	<b>y-inversa</b> Packard Kingfield, 4 July, 8 July 3, 10 July 4, 18 July; Farmington, 26 June 2, 5 July, 7 July, 9 July, 12 July, 14 July, 15 July 2; Enfield, 19 July, 21 July, 31 July; Lincoln, 8 July 6, 10 July, 12 July 4, 14 July 3, 16 July 3, 24 July 4, 25 July, 26 July, 27 July, 29 July, 30 July 2; Long A, 8 July, 9 July, 10 July, 29 July; Millinocket, 4 July; T6R17, 21 July; T11R8, 15 July; Topsfield, 4 August	57
<b>Genus LITHACODES Packard 1864</b>		
5266	<b>fasciola</b> Herrich-Schaeffer 38 localities, 10 June-15 August	600
5268	<b>fiskeana</b> Dyar Hampton, N.H., 8 July, 15 July	2
<b>Genus PACKARDIA Grote &amp; Robinson 1866</b>		
5270	<b>elegans</b> Packard 29 localities, 10 June-29 July	90
5272	<b>geminata</b> Packard 18 localities, 7 June-26 July; on spruce tip ex galls from Mt. Cadillac on Mt. Desert Island, larva 3 May, emerged June	146

- 5273 **albipunctata** Packard Hampton, N.H., 30 June, 8 July, 15 July; Lincoln 2 July, 11 July, 12 July, 20 July; Clayton Lake, no date; Marion, 10 July 2 10

### Genus HETEROGENEA Knoch 1793

- 5274 **shurtleffi** Packard Durham, N.H., no date; Bar Harbor, 7 July; Lincoln, 17 July, 18 July; Millinocket, 17 July; Shin Pond, 18 July; T18R12, 5 August; Marion, 9 July, 18 July 2, 21 July 11

### Genus TORTRICIDIA Packard 1864

- 5277 **flexuosa** Grote 41 localities, 16 June–22 August 1780
- 5277.1 **caesonia** Grote 14 localities, 4 July–6 August 71
- 5278 **pallida** Herrich-Schaeffer Greenville, 6 July, 7 July, 13 July, 17 July 2; Farmington, 16 June; Kittery Pt., 14 June; Lincoln, 8 July 3, 12 July 2, 14 July 3, 23 July; T6R7, 7 July 4, 8 July 5, 9 July 3, 11 July 4, 12 July 4, 22 July 5; Rockwood, 12 July 2, 21 July 3; T5R16, 7 July, 8 July, 9 July 74, 10 July 6; Oxbow, 13 July 5; T11R8, 2 July, 4 July, 5 July 2, 6 July 2, 7 July, 8 July 5, 10 July 2, 11 July 5, 12 July 30, 13 July 28, 14 July 6, 15 July 8, 16 July 5, 17 July 2, 18 July 30, 19 July 4, 20 July 9, 21 July 3, 22 July 4, 23 July 4, 24 July 6, 30 July 23, 1 August 3, 3 August 2, 5 August 1 345
- 5279 **testacea** Packard 37 localities, 3 June–10 August; Seboomook, larva on *Betula lutea*, 28 August, 1940, adult emerged April, 1941 ♀, also bred ♂ 605

## Family MEGALOPYGIDAE

### Genus LAGOA Harris 1841

- 5286 **crispata** Packard, crinkled flannel moth Hampton, N.H., 27 June 1

## Family ZYGAENIDAE

### Genus HARRISINA Packard 1864

- 5307 **americana** Guerin-Meneville, grapeleaf skeletonizer Hampton, N.H., 17 June 1

## Family THYRIDIDAE

### Genus THYRIS Laspeyres 1803

- 5314 **maculata** Harris Sumner, 3 June; Waterville, Hitchins coll.; Augusta, 16 June, 21 June, 29 July, 7 August, 22 August; Weld, 4 July; Strong, 3 July; Stratton, 17 June; Passadumkeag, 23 June 11
- 5315 **lugubris** Boisduval Orono, 5 July; Hampton, N.H., 22 June 2

**Family PYRALIDAE****Genus GLAPHYRIA Hübner 1823**

- 5326 **sesquialis** Hübner New Hampshire, 1 July, 12 July, 17 July; Unity, 17 May 4
- 5327 **invalis** Guenée (**lentiflualis** Zeller) Augusta, no date 1
- 5328 **psychialis** Hulst N.H., 17 July 3; Lee, N.H., 27 July; Augusta, 7 June 5
- 5330 **fulminalis** Lederer Lincoln, 10 July, 18 July 2

**Genus LIPOCOSMA Lederer 1863**

- 5342 **fuliginosalis** Fernald Chelsea, 7 August; Vassalboro, 14 July; Smithfield, 5 July; Enfield, 14 July, 17 July, 1 August, 4 August; Lincoln, 2 July, 4 July, 5 July, 7 July, 9 July, 10 July, 12 July 4, 14 July 4, 17 July, 18 July 4, 19 July, 22 July, 23 July, 28 July, 29 July, 5 August, 11 August; Millinocket, 2 July 2, 5 July 2, 11 July, 17 July, 18 July 2, 19 July, 20 July, 23 July, 24 July, 25 July, 26 July, 30 July; Kellyland, 12 July, 14 July, 19 July, 31 July, Maine is type locality 51

**Genus DICYMOLOMIA Zeller 1872**

- 5347 **julianalis** Walker Bar Harbor, 4 July, 9 July 3, 10 July, 13 July 3, 15 July, 17 July, 20 July 3, 24 July 1, 27 July, 30 July, bred ex *Typha* 2 17
- 5350 **pegasalis** Walker Bar Harbor, 11 July, 26 July, 27 July 3

**Genus HYMENIA Hübner 1826**

- 5353 **perspectalis** Hübner, spotted beet webworm Farmington, 15 October; Augusta, 18 September; Bar Harbor, 29 July, 17 September; Allagash, 30 July; Surrey, 5 November at black light 6
- 5354 **fascialis** Cramer Greenville, 11 August; Eustis, 31 July, 6 August; Augusta, 22 June, 14 September 2, 29 September, 30 September 2; Vassalboro, 12 September, 13 September, 26 September, 3 October, 5 October, no dates 16; Kingfield, 29 July; Surry, 5 September at black light; Bar Harbor, 11 September 2; Lincoln (Clayton), 20 August, 10 September 2; Millinocket, 7 August; Marion, 4 August 40

**Genus DESMIA Westwood 1832**

- 5355 **funeralis** Hübner, grape leaffolder 37 localities, 6 May-10 August 46

**Genus SAMEA Guenée 1854**

- 5365 **ecclesialis** Guenée Oquossoc, no date; Kingfield, 25 July 2; Unity, 12 July 2; Vassalboro, 31 May 6

**Genus DIASTICTIS Hübner 1818**

- 5367 **argyralis** Hübner Kingfield, 24 July; Mt. Vernon, 29 May; Augusta, 12 June, 21 August; Vassalboro, 1 August; Lincoln (Clayton), 2 August; Bar Harbor, 1 August; Greenbush, 11 July 11
- 5367.1 **ventralis** Grote & Robinson Berwick, 24 May; Litchfield, 6 September; Augusta, 6 August; Vassalboro, 10 June; Unity, 18 July; Bar Harbor, 9 September; Millinocket, 27 July 7

**Genus BLEPHAROMASTIX Lederer 1863**

- 5393 **stenialis** Guenée Hampton, N.H., 21 July; Vassalboro, 23 June 2; Kellyland, 8 July 4

**Genus PANTOGRAPHIA Lederer 1863**

- 5397 **limata** Grote & Robinson, basswood leafroller 10 localities, 14 July-13 August 21

**Genus SYLEPTA Hübner 1826**

- 5400 **silicalis** Guenée Augusta, 11 October; Bar Harbor, 10 October 2

**Genus LYGROPIA Lederer 1863**

- 5407 **rivulalis** Hampson Hampton, N.H., 25 July; North Bridgton, 9 July, 19 July; Chelsea, 7 August 6; Augusta, 11 July, 23 July, 26 July; Vassalboro, 15 June, 11 July 3, 15 July 2, 23 July, 26 July 2, 28 July, 7 August; Oquossoc, 12 July 24

**Genus DIAPHANIA Hübner 1818**

- 5415 **nitidalis** Stoll, pickleworm Bar Harbor, 12-15 October 1

**Genus METREA Grote 1882**

- 5421 **ostreonalis** Grote 10 localities, 9 June-11 August 18

**Genus SAMEODES Snellen 1880**

- 5427.1 **adipaloides** Grote & Robinson 19 localities, 16 May-3 September 90

**Genus EVERGESTIS Hübner 1826**

- 5442 **rimosalis** Guenée, cross-striped cabbageworm Oquossoc, 11 July, 13 July, 22 July, 25 July, 28 July, 30 July; Chesuncook, 28 July; Hardwood Mt., 19 July, 20 July; Lincoln, 31 July 10
- 5446 **straminalis** Hübner (**pallidata** Hufnagel), purplebacked cabbageworm 31 localities, 13 June-18 September 409

**Genus CROCIDOPHORA Lederer 1863**

- 5448 **serratissimalis** Zeller Portland, 5 July; Dennistown, 8 July, 23 July, 27 July, 1 August; Greenville, 15 July 2, 16 July, 22 July, 23 July, 27 July, 28 July 2, 31 July 2; Oquossoc, 16 August; Kokadjo, 7 July; Augusta, 27 June, 9 July; Lincoln, 13 June 20
- 5451 **tubercularis** Lederer Lee, N.H., 11 June; Jackman, 30 July, 1 August 3

**Genus NOMOPHILA Hübner 1826**

- 5455 **noctuella** Dennis & Schiffermuller (*nearctica* Munroe) 30 localities, 27 April-31 October 1708

**Genus LOXOSTEGE Hübner 1827**

- 5462 **chortalis** Grote 33 localities, 5 June-5 August 381
- 5464 **marculenta** Grote & Robinson (*obliteralis* Walker) Oquossoc, 16 July; Farmington, 28 June, 24 July, 23 August; Augusta, 10 June, 26 June, 28 June, 29 June 2, 30 June 2, 1 July, 6 July, 12 July 2, 15 July 3, 18 July 2, 19 July, 21 July, 22 July, 30 July, 26 August; Vassalboro, 13 June, 16 June, 18 June 3, 21 June, 2 July, 3 July, 7 July 2, 14 July, 31 August, 3 September; Hope, 3 July; Lincoln, 2 July 2, 3 July, 7 July 3, 11 July 2, 12 July, 18 July, 21 July; St. Francis, 8 July; Vanceboro, 19 July 59
- 5467 **mancalis** Lederer Gorham, 3 August; Farmington, 23 July, 24 July; Vassalboro, 29 June (compared); Unity, 8 August; St. Francis, 8 July 5
- 5468 **helvialis** Walker Vassalboro, 23 June 2, 28 June 2, 7 July, 12 July; Lincoln, 25 July; Bar Harbor, 4 July 8
- 5471 **similalis** auct. (*ACHYRA* Guenée 1849, *rantalis* Guenée) garden webworm, Lee, N.H., 15 August; Lincoln, 17 July; Enfield, 15 June; Calais, 7 November. Common on truck crops and weeds 4
- 5478 **sticticalis** Linnaeus, beet webworm 28 localities, 7 June-31 August 73
- 5479 **commixtalis** Walker, alfalfa webworm 23 localities, 2 June-6 August; Klondike Bog, Mt. Katahdin 82
- 5479.1 **cereralis** Zeller invading the northeast as a migratory species in favorable years, MONA 13.2A, p. 78.

**Genus THOLERIA Hübner 1823 (URESIPHITA Hübner 1825)**

- 5515 **reversalis** Guenée, genista caterpillar Common in the South, a migrant in the North

**Genus PERISPASTA Zeller 1875**

- 5545 **caecularis** Zeller Lee, N.H., 1 August 1

**Genus PLYCTAENIA Hübner 1825 (UDEA Guenée 1844)**

5546	<b>rubigalis</b> Guenée, greenhouse leaf-tier/celery leaf-tier	38 localities, 29 May-17 November	106
5549	<b>inquinatalis</b> Zeller	Bar Harbor, 6 June; Sullivan, 8 June; Mt. Katahdin, 1250', 27 August	3
5551	<b>sheppardi</b> McDunnough	T9R5, 20 July; T18R12, 9 July; Topsfield, 14 July; Dennysville, 13 July 3, 21 July; Marion, 12 July	8
5553	<b>itysialis</b> Walker	Tim Pond, 25 July; Eustis, 28 July; Mt. Bigelow, 2 August; Greenville, 22 July; Rockwood, 23 July; Dennistown, 11 July, 18 July, 25 July, 5 August; T5R16, 11 July	10
5560	<b>acutella</b> Walker	40 localities, 5 June-4 August	199
5561	<b>terrealis</b> auct. ( <b>MUTUURAIA</b> Munroe 1976, <b>mysippusalis</b> Walker)	36 localities, 5 June-5 August	148
5562	<b>extricalis dionalis</b> Walker ( <b>NEALGEDONIA</b> Munroe 1976)	16 localities, 10 June-27 July	113
5562.1	<b>quebecensis</b> Munroe	Augusta, 22 June, 4 July, 28 July; Vassalboro, 2 July; Bar Harbor, 2 July, 3 July; Lincoln, 12 July, 14 July, 23 July, 25 July; Seboomook, 18 July	11
5563	<b>helvalis</b> Walker ( <b>HELVIBOTYS</b> Munroe 1976)	35 localities, 16 June-16 August	242
5564	<b>tertialis</b> Guenée	45 localities, 11 June-2 August	336

**Genus CINDAPHIA Lederer 1863**

5565	<b>bicoloralis</b> Guenée	Vassalboro, 14 June; Augusta, 29 July; Long A, 9 July, 17 July 2; Millinocket, 17 July 3, 28 August; Topsfield, 29 July; Kellyland, 6 July, 11 July; Dennysville, 16 July at light	13
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**Genus PYRAUSTA Schrank 1802**

5576	<b>pertextalis</b> Lederer	25 localities, 14 June-28 August	454
5577	<b>fissalis</b> Grote	41 localities, 22 June-10 August	389
5578	<b>aeglealis</b> Walker	Augusta, 29 July; Vassalboro, 18 July 2; Greenbush, 4 August; Lincoln, 20 July 2, 28 July; Estcourt Station, 17 July; Princeton, 17 July	10
5579	<b>thestealis</b> Walker ( <b>PANCHYZANCLA</b> Meyrick)	14 localities, 28 June-22 August	37
5579.1	<b>magistralis</b> Grote	Hampton, N.H., 18 July, 22 July; Augusta, 21 July, 5 August, 9 August; Farmington, 14 August	7
5581	<b>theseusalis</b> Walker	Kingfield, 25 July; Augusta, 30 July, 1 August; Unity, 8 July; Lincoln, 5 August, 7 August; Smithfield, 5 August 5	11

		7
5583	<i>oxydalis</i> Guenée Smithfield, July 1962, 2	2
5590	<i>arsaltealis</i> Walker 18 localities, 13 May-22 August	33
5590.1	<i>magniferalis</i> Walker 30 localities, 8 May-4 August, Lincoln, 18 July det. Munroe	238
5590.2	<i>aenesentalis</i> Munroe Farmington, 5 May; Oquossoc, 10 July; T6R7, 14 June	3
5594	<i>penitalis</i> Grote ( <b>OSTRINIA</b> Hübner 1825) Hampton, N.H., 4 June	1
5594.1	<i>nubialis</i> Hübner ( <b>TITANIO</b> Hübner 1825), European corn borer 24 localities, 18 June-21 October	167
5595	<i>umbratalis</i> Lederer ( <i>ainsliei</i> Heinrich), smartweed borer Augusta, 6 July; Vassalboro, 19 July	2
5598	<i>fumalis</i> Guenée 40 localities, 2 July-25 August	466
5601	<i>futilalis</i> Lederer 22 localities, 5 June-26 July	42
5602	<i>fumoferalis</i> Hulst 31 localities, 21 June-31 August	106
5607a	<i>unifascialis subolivalis</i> Packard 20 localities, 17 May-16 July	34
5609	<i>fodinalis</i> Lederer Oquossoc, 26 July; Allagash, 12 July	2
5613	<i>phoenicealis</i> Hübner Lincoln, 25 July 2, 29 July, 5 August; T9R5, 26 July; St. Francis, 5 August	6
5616	<i>acrionalis</i> Walker 44 localities, 11 May-8 September	458
5618	<i>inveterascalis</i> Barnes & McDunnough Durham, N.H., 9 July	1
5621	<i>borealis</i> Packard Passadumkeag, 18 June; Lincoln, 31 May; Oquossoc, 21 June, 24 June, 2 July; Crystal, 6 June; Ashland, 20 June, 21 June; T17R11, 11 July; Ft. Kent, 19 June	10
5622	<i>subsequalis</i> Guenée 12 localities, 9 May-10 September	37
5623	<i>orphisalis</i> Walker (5625 <i>ochosalis</i> Dyar is a syn.) 21 localities, 6 June-18 August, 2 specimens S.I. Smith, Yale '58	25
5624	<i>generosa</i> Grote & Robinson Augusta, 30 May, 16 June, 7 August; Vas- salboro, 1 August, 16 August; Greenbush, 15 July; Passadumkeag, 18 June; Greenville, 7 July; T2R4, 17 July; Long A, 23 July; T9R5, 16 June	11
5628	<i>laticlavia</i> Grote & Robinson Lincoln, 14 July	1
5638	<i>nicalis</i> Grote Dennistown, 25 July; Chesuncook, 9 July; Passadumkeag, 29 May 4, 30 May 7; Chesuncook, 9 July; Shin Pond, 10 July; T9R5, 27 July 2, 29 July, 2 August; St. Francis, 18 July; Allagash, 13 July, 27 July, 1 August	22



5645	<b>marginalis</b> Walker (syn. <b>stenopteralis</b> Grote type locality "Maine") Augusta, 30 May; Bar Harbor, 19 May; Mt. Desert, 22 May; Monmouth, 20 June; Passadumkeag, 29 May 4, 30 May 6, 1 June, 2 June; Enfield, 23 May	17
5647	<b>funebri glomeralis</b> Walker 15 localities, 23 May-2 August	24

### Genus NYMPHULA Schrank 1802

5680	<b>maculalis</b> Clemens 40 localities, 22 June-25 August	179
5681	<b>allionealis</b> Walker 37 localities, 3 June-10 September	58
5682	<b>obscuralis</b> Grote 24 localities, 3 July-5 September	157
5684	<b>badiusalis</b> Walker 35 localities, 27 June-27 August	566
5684.1	<b>curviferalis</b> Walker 21 localities, 29 June-14 August	762
5686	<b>obliteralis</b> Walker, waterlily leafcutter Augusta, 30 August 4; Lincoln, 9 July, 19 July, 22 July 2, 23 July; Millinocket, 13 July, 18 July; T10R12, 21 July; T13R12, 24 June; Topsfield, 18 July; Dennysville, 9 July; East Machias, 24 July	16
5686.1	<b>broweri</b> Heinrich (NYMPHULIELLA Lange 1956) Southwest Harbor (type locality), 5 July, 6 July 15, 9 July 8, 21 July 3, 25 July 3, 26 August, 28 August plus type and 45 ♂ paratypes and 3 ♀ paratypes retained by U.S.N.M.; Rockland, 7 July; Saco, 31 July 3; T16MD, 17 August 10; Old Town, 22 July 6; Lincoln, 16 July 3; Crystal, 23 July; Upton, 17 August, 18 August; Topsfield, 3 July	111
	<b>Nymphula broweri</b> Heinrich is an inhabitant of extremely local glaciated areas feeding on one of the Jungermanniales, where it flies with a rapid beating flight in bright sunlight, and is of a smaller size, so far as known, differing in all of these respects from the related <i>N. daeckkealis</i> Haimbach. There is a geographical separation of some two hundred miles. I consider it a distinct species.	
5686.2	<b>atlantica</b> Munroe (SYNCLITA Munroe 1972) Portland, 14 July	1
5688	<b>gyralis</b> Hulst (MUNROESSA Lange 1956) 20 localities, 4 July-21 September	51
5691	<b>iccusalis</b> Walker 54 localities, 13 June-3 September	598
5691.1	<b>faulalis</b> Walker 19 localities, 30 June-13 August	25
5692	<b>ekthlipsis</b> Grote 36 localities, 30 June-30 August	390

### Genus CATACLYSTA Hübner 1826

5695	<b>bifascialis</b> Robinson Maine area Munroe	
5699	<b>magnificalis</b> Hübner 27 localities, 1 July-7 August	422
5700	<b>fulicalis</b> Clemens 33 localities, 28 June-30 August	376

- 5700.1 **canadensis** Munroe Gardiner, 3 July; Augusta, 4 July; T15R13, 9 July; Fort Kent, 20 July; St. Francis, 27 July; Allagash, 12 July; Dickey, 2 August 7
- 5712 **plevie** Dyar 35 localities, 29 June-23 August; Weld, Maine is type locality. 1230

**Genus GESHNA Dyar 1906**

- 5718 **primordialis** Dyar 13 localities, 16 June-28 August. Augusta, June 30 "common"; Newagen, July 12 "common" 120

**Genus DIATHRAUSTA Lederer 1863**

- 5719 **reconditalis** Walker Durham, N.H., 28 August 1
- 5719.1 **harlequinialis amaura** Munroe Kennebunkport, type locality, no date 1

**Genus EURRHYPARA Hübner 1825**

- 5724 **urticata** Linnaeus (**hortulata** Linnaeus) 33 localities, 30 May-5 August 437

**Genus SCOPARIA Haworth 1812 (GESNERIA Hübner 1825)**

- 5725 **centuriella caecalis** Walker 51 localities, 30 June-5 August 573
- 5734 **penumbralis** Dyar 23 localities, 9 June-4 September; Center Harbor, N.H., 3 types by Dyar 64
- 5735 **strigalis** Dyar Georgetown, 18 August 3, 24 August; Augusta, 16 July, 4 August; Hope, 28 July; Kingfield, 18 July; Lincoln, 13 July 4, 18 July 4, 19 July 3, 21 July 6, 22 July 6, 23 July 4, 24 July, 25 July 8, 26 July 2, 27 July 5, 28 July 3, 29 July 9, 30 July, 31 July 3, 1 August 7, 2 August 5, 3 August, 4 August 4, 5 August 5, 6 August, 8 August 10, 10 August 4; Millinocket, 4 July; Topsfield, 30 July, 1 August 107
- 5736 **cinereomedia** Dyar (5737 **truncatalis** McDunnough is a syn.) Lee, N.H., 9 July, 22 July; Kingfield, 18 July; Hope, 28 July; Bar Harbor, 25 July; Southwest Harbor, 9 July; Mt. Desert, 22 July; Boundary Bald Mt. (Jackman), 1 August; Lincoln, 23 July; Millinocket, 28 July; Guerette, 19 July; Topsfield, 3 July; Oquossoc, 28 July 2, 30 July 4, 3 August 2, 5 August, 9 August 2 23
- 5742 **lugubralis** Walker (5746 **phycitalis** Dyar is a syn.) (**Eudonia** Bilberg 1820) 40 localities, 9 June-28 August 260
- 5745.1 **vivida** Munroe (**EUDONIA** Bilberg 1820) Franconia, N.H. (no date); Oquossoc, 10 July; T5R16, 28 July; Dennistown, 10 July; T7R17, 20 July 2; T9R5, 26 June; T9R18, 18 July; Mt. Bigelow, 3800'-4000', 3 August 2, 8 August 2; T18R12, 2 August; Ashland 22 July 14
- 5747 **basalis** Walker 27 localities, 22 June-10 September 265

5747.1 **biplagiialis** Walker 44 localities, 20 June–20 September. Maine is type locality for synonym **libella** Grote 488

5747.2 **heterosalis** McDunnough 34 localities, 5 July–26 October 80

#### Genus **AGLOSSA** Latreille 1796

5752 **cuprealis** Hübner Patten, 11 July, 20 July; T6R11, 14 July, 1 August, 2 August; T17R5, 2 August; Guerette, 20 July, 31 July 8

5753 **cuprina** Zeller Hampton, N.H., 22 July; Durham, N.H., 20 July; Center Harbor, N.H., 2 August 2 types 4

5753.1 **pinquinalis** Linnaeus Durham, N.H., 27 July 1

#### Genus **PYRALIS** Linnaeus 1758

5758 **farinalis** Linnaeus, meal moth 20 localities, 4 July–9 September 43

5759 **costiferalis** Walker 44 localities, 5 July–11 August 154

5760 **discferalis** Dyar 12 localities, 9 July–18 August 24

#### Genus **HYP SOPY G I A** Hübner 1826

5764 **costalis** Fabricius, clover hayworm Greenville, 15 July; Kingfield, 17 July, 24 July, 25 July, 28 July 2, 29 July, 2 August; Norway, March, 8 (1858) (S.I. Smith, Yale); Farmington, 19 July; Augusta, 17 June, 25 June, 16 July, 27 July, 3 August, 8 August; Vassalboro, 21 June 2, 23 June 2, 25 June 5, 4 July 2, 12 July, 8 September; Long A (no date); Millinocket, 14 July, 29 July 32

#### Genus **HERCULIA** Walker 1859

5766 **intermedialis** Walker 44 localities, 3 July–9 August 626

5770 **thymetusalis** Walker 57 localities, 1 July–11 August 432

5773 **infimbrialis** Dyar 18 localities, 2 July–15 August 56

5774 **olinalis** Guenée 36 localities, 9 June–18 August 220

#### Genus **GALASA** Walker 1866

5780 **nigrinodis** Zeller North Bridgton, 18 July; Hope, 16 August; Unity, 7 July, 12 July 5, 17 July 3; Augusta, 12 July, 17 July, 23 July, 30 July, 2 August, 4 August, 7 August, 8 August; Lincoln, 18 June, 17 July, 18 July, 22 July, 24 July 2, 25 July, 1 August 4, 5 August, 6 August; Kingfield, 10 July, 15 July 2, 16 July, 17 July, 18 July 2, 19 July 3, 22 July 2, 23 July, 24 July 14, 25 July 5, 26 July 2, 27 July 2, 28 July 4, 29 July 2, 30 July 2, 31 July 3, 6 August; Vassalboro, 23 August 82

#### Genus **ARTA** Grote 1875

5795 **statalis** Grote 15 localities, 5 July–23 August 159

**Genus POLLOCCIA Dyar 1910**

- 5808 **alticolalis** Dyar Bar Harbor, bred ex birch leaves, no date; Augusta, 7 August, 8 August, 9 August, 10 August, 17 August; Lincoln, 7 July, 8 July, 9 July, 12 July 3, 13 July, 15 July 2, 16 July, 17 July 2, 18 July, 20 July, 22 July, 23 July, 25 July, 26 July, 28 July 2, 30 July, 31 July, 1 August, 2 August, 6 August; Millinocket, 11 July, 14 July, 24 July 2, 30 July, 31 July, 2 August 2, 5 August 2; T11R8, 14 July; Topsfield, 10 July, 23 July, 28 July, 30 July, 31 July, 3 August 2 53

**Genus CONDYLOLOMIA Grote 1873**

- 5809 **participialis** Grote 18 localities, 24 June–11 August 1101

**Genus PATISSA Moore 1886**

- 5812 **flavicostella** Fernald Brunswick, 8 August 1

**Genus SCHOENOBIVS Duplessis 1844**

- 5825 **unipunctellus** Robinson 28 localities, 2 July–8 August 59  
 5826 **tripunctellus** Robinson 10 localities, 3 July–3 August 18  
 5827 **melinellus** Clemens 40 localities, 2 July–28 August 147  
 5828 **clemensellus** Robinson Augusta, 23 July; Eustis, 27 July; Greenville, 5 August; Chesuncook, 11 July; Patten, 27 July; Kellyland, 17 July 2 7  
 5831 **amblyptepennis** Dyar 32 localities, 30 June–14 August 170  
 5831.1 **sp.** 17 localities, 6 June–10 August 64

**Genus PRIONAPTERYX Stephens 1834**

- 5841 **nebulifera** Stephens Seabrook, N.H., 11 July; York Co., larva identified as this species. 1

**Genus RAPHIPTERA Hampson 1895**

- 5849 **minimella** Robinson 17 localities, 11 June–13 August 28  
 5850 **argillaceella** Packard 22 localities, 5 June–13 August 57

**Genus CRAMBUS Fabricius 1778**

- 5852 **hastiferellus** Walker Hampton, N.H., 25 May, 20 June 2  
 5855 **hamellus** Thunberg 11 localities, 8 July–14 September 35  
 5857 **floridus** Zeller 34 localities, 14 June–19 October 119  
 58: **lyonsellus** Haimbach Augusta, 23 July; Southwest Harbor, 9 July 7, 18 July 4, 21 July, 25 July 4, 8 August 3, 12 August, 14 August 5, 16 August 2; Passadumkeag, 24 June, 25 June, 14 July 5; Chesuncook, 15

	July; Crystal Bog, 8 August; T9R5, 28 July; Ft. Kent, 24 July 2, 11 August	41
5860	<b>girardellus</b> Clemens 53 localities, 2 June-7 August	34
5861	<b>leachellus</b> Zincken 24 localities, 2 June-7 August	83
5861.1	<b>ainslieellus</b> Klots Naples, 10 September; Augusta, 4 September, 6 September, 14 September; Bar Harbor, 17 September; Lincoln, 4 September	6
5861.2	<b>watsonellus</b> Klots Cape Elizabeth, 28 August; Augusta, 20 August, 25 August; 26 August; Bar Harbor, 28 August 2, 29 August, 30 August, 2 September; Southwest Harbor, 12 August; Mt. Desert, 22 August, 24 August; Tremont, 18 August; Pretty Marsh, 18 August, 23 August, 25 August 6	21
5862	<b>unistriatellus</b> Packard 17 localities, 24 June-3 October	33
5863	<b>praefectellus</b> Zincken 23 localities, 12 June-7 November	36
5866	<b>youngellus</b> Kearfott Augusta, 11 June; T9R5, 9 August	2
5867	<b>bidens</b> Zeller 27 localities, 6 July-1 September	99
5868	<b>labradoriensis</b> Christoph 13 localities, 17 June-17 August	42
5869	<b>dissectus</b> Grote 13 localities, 6 June-17 August	24
5870.1	<b>whitmerellus</b> Klots Jefferson, White Mts., N.H., 9 August, at light	1
5874	<b>alboclavellus</b> Zeller 27 localities, 2 June-3 August, Lubec, without date, det. by Klots	57
5875	<b>carolinellus</b> Haimbach 13 localities, 5 July-11 August, 14; plus Lincoln, 8-30 July, 38	52
5876	<b>agitatellus</b> Clemens 26 localities, 7 June-26 July	119
5878	<b>latiradiellus</b> Walker ( <b>myellus</b> Hübner) 22 localities, 6 July-16 August	88
5880	<b>laqueatellus</b> Clemens 18 localities, 2 June-11 July	26
5883.1	<b>topiarius</b> Zeller, cranberry girdler 26 localities, 13 June-14 August	74
5884	<b>albellus</b> Clemens 22 localities, 19 June-13 August	73
5886	<b>biguttellus</b> Forbes Durham, N.H., 15 January emerged; Lincoln, 27 July	2
5887	<b>innotatellus</b> Walker ( <b>perlellus</b> Scopoli) 36 localities, 30 June-28 August	1871
5888	<b>turbatellus</b> Walker 17 localities, 7 July-17 August	55
5889	<b>elegans</b> Clemens 26 localities, 11 July-24 August	59
5892	<b>vulgivagellus</b> Clemens, vagabond crambus 27 localities, 28 June-24 September	79

5895	<b>uricolellus</b> Zeller	27 localities, 28 June–22 August	164
	race <b>canadellus</b> Haimbach	Greenville, July 21–29, type locality; Bar Harbor, 16 August 3, 22 August, 24 August, 28 August; Ship Is., 14 August; Big Duck Is. 22 August	9
5896	<b>teterrellus</b> Zincken	bluegrass webworm Durham, N.H., 14 August	1
5897	<b>decorellus</b> Zincken	Augusta, 8 July, 11 July, 14 July, 2 August; Sidney, 15 July	5
5905.1	<b>browerellus katahdini</b> Klots	Mt. Katahdin Plateau, 4500 ft., 30 June–23 July, on the 16 and 17 of July it was common.	45
5910	<b>mutabilis</b> Clemens	31 localities, 28 June–7 August	339
5919	<b>trisectus</b> Walker	21 localities, 23 June–5 October	345
5919.1	<b>abnaki</b> Klots	36 localities, 13 June–25 August	564
5921	<b>laciniellus</b> Grote	Augusta, 5 July, 11 July, 12 July 2, 22 July, 29 July, 29 August 2, 4 September 2, 5 September 2, 7 September; Old Town, (Fish coll.); Bar Harbor, 25 August, 29 August 2	17
5925	<b>caliginosellus</b> Clemens	corn root webworm 11 localities, 4 July–14 August	145
5927	<b>zeellus</b> Fernald	20 localities, 1 July–27 August	27
5928	<b>luteolellus</b> Clemens	58 localities, 11 June–18 September	1528

### Genus **THAUMATOPSIS** Morrison 1874

5935	<b>pexellus gibsonellus</b> Kearfott	Augusta, 4 August, 17 August; Vassalboro, 8 September; Farmington, 15 September; Unity, 24 August; Portage, 30 July	6
5936	<b>edonis</b> Grote	Augusta, 5 September	1
5944	<b>striatellus</b> Fernald	Webster, N.H., 28 September; Hampton, N.H., 2 October 2; Lee, N.H., 19 September	4

### Genus **ARGYRIA** Hübner 1818

5954	<b>nivalis</b> Drury	30 localities, 6 June–8 September	397
5956	<b>rileyella</b> Dyar	Augusta, 3 July; Unity, 12 July 2	3
5957	<b>auratella</b> Clemens	26 localities, 24 June–8 August	238
5957.1	<b>critica</b> Forbes	20 localities, 6 June–8 August	243

### Genus **DIATRAEA** Guilding 1832

5962	<b>crambidoides</b> Grote	southern cornstalk borer Lincoln, 7 July	1
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**Genus CHILO Zincken 1817**

- 5977 *forbesellus* Fernald Mt. Desert, 7 July 1

**Genus OCCIDENTALIA Dyar & Heinrich 1927**

- 5979 *comptulatalis* Hulst Guerette, 14 July, 15 July; Cross Lake, 20 July; Marion, 23 July 4

**Genus PLATYTES Guenée 1845**

- 5983 *panalope* Dyar Lincoln, 28 July 1
- 5986 *alleni* Fernald Orono, type locality; Greenbush, 15 July; T6R17, 22 July; Topsfield, 18 July; E. Machias, 10 July 4

**Genus GALLERIA Fabricius 1798**

- 5989 *mellonella* Linnaeus, greater wax moth Augusta, 1 September, 6 September, 10 September, 12 September, 14 September, 15 September 2, 21 September 8

**Genus APHOMIA Hübner 1816**

- 5990 *sociella* Linnaeus Hampton, N.H., 18 June, 25 June; Mt. Vernon, 8 July; Biddeford, 1961 1, 1 July, 7 July; Hope, 14 July 2; Blue Hill, 25 July; Bar Harbor, 9 July, 14 July, 4 August; T11R8, 5 July, 11 July 2 15

**Genus PARALIPSA Butler 1879**

- 5991 *terrenella* Zeller 12 localities, 16 June–25 July 23
- 5992 *fulminalis* Zeller Augusta, 16 June; Lincoln, 11 July; T9R5, 19 July 3
- 5993 *decorella* Hulst T9R5, 7 July; T11R8, 8 July, 13 July; T11R6, 2 August 4

**Genus MELISSOBLAPTES Zeller 1839**

- 5994 *fuscolimbellus* Ragonot Durham, N.H., 15 May, 9 November 2

**Genus ACHROIA Hübner 1816**

- 5995 *grisella* Fabricius, lesser wax moth Durham, N.H., 6 September, 31 October 2, 9 November 4

**Genus EIPASCHIA Clemens 1860**

- 6014 *superatalis* Clemens Hampton, N.H., 28 July 1

**Genus ONEIDA Hulst 1889**

- 6025 *lunulalis* Hulst 11 localities, 17 June–4 August 110

**Genus TETRALOPHA Zeller 1848**

- 6031 **robustella** Zeller, pine webworm Brunswick, no data; Topsfield, ex *Pinus rigida* 2
- 6034 **melanogrammos** Zeller Lincoln, 12 July; Topsfield, 11 July; Dennysville, 28 July 3
- 6035 **texanella** Ragonot Augusta, 20 June; Topsfield, 6 July, 9 July 2, 18 July 2 6
- 6039 **subcanalis** Walker Bridgton, 3 September, ex beech; Augusta, 10 July; Bar Harbor, 4 May, ex beech, 24 July, 6 August, 10 September; T9R5, 24 July; Buffalo, 28 July; Ashland, 18 July; Dennysville, 27 July 10
- 6040 **sp.** Terminal webber on aspens, oak, beech, reared
- 6040.1 **maritimalis** McDunnough Augusta, 12 July, 15 July, 1 August; Lincoln, 10 July, 12 July, 1 August 2, 27 August; Oquossoc, 8 July 2; Chesuncook, 17 July 2; Buffalo, 23 July; Topsfield, 24 July, 1 August 2; Dennysville, 1 August 17
- 6041 **asperatella** Clemens 11 localities, 15 June–21 September; Augusta, reared ex oak; Bucksport, ex oak; Bar Harbor, ex white birch 18
- 6042 **aplastella** Hulst 12 localities, 19 May–9 August; Charlotte, ex beech 51

**Genus MYELOIS Hübner 1818 (MYELOPSIS Heinrich 1956)**

- 6062 **subtetricella** Ragonot 16 localities, 16 May–16 July 49
- 6063 **obnupsella** Hulst Hampton, N.H., 16 May, 20 May 2; Scarboro, 2 June; Oquossoc, 29 June; Augusta, 2 June; Vassalboro, 30 May 2, 14 June 2; T11R10, 27 June; St. Francis, 14 July; Ashland, 13 June 13
- 6066 **zonulella** Ragonot Bar Harbor, 28 June; Mt. Desert, 13 August; Lincoln, 5 August 3
- Heinrich considers **obnupsella** and **zonulella** as synonyms of **subtetricella**.
- 6067 **bistriatella** Hulst (**APOMYELOIS** Heinrich 1956) 19 localities, 7 June–1 September 38
- 6071 **coniella** Ragonot 15 localities, 2 June–31 August 48

**Genus ACROBASIS Zeller 1839**

- 6079 **kearfottella** Dyar Lee, N.H., 26 July 1
- 6081 **caryalbella** Ely Hampton, N.H., 15 June 1
- 6082 **juglandis** Le Baron, pecan leaf casebearer Hampton, N.H., 21 June, 30 June, 5 July, 16 July, bred ex Hickory; Oquossoc, 19 July; Topsfield, 31 August 6
- 6089 **stigmella** Dyar Durham, N.H., 19 June, ex willow 1



6090	<b>aurorella</b> Ely	Lee, N.H., 23 July	1
6091	<b>angusella</b> Grote	Durham, N.H., 10 August; Lee, N.H., 11 August	2
6092	<b>demotella</b> Grote, walnut shoot moth	Durham, N.H., on buds and stems of black walnut; Kingfield, 27 July	2
6094	<b>sylviella</b> Ely	Augusta, 10 July, 7 August; T6R7, 26 July; Ashland, 16 July 2, 18 August	6
6095	<b>irrubriella</b> Ely	Augusta, 6 August	1
6096	<b>latifasciella</b> Dyar	Hampton, N.H., 23 July	1
6098	<b>coryliella</b> Dyar	Augusta, 7 July 2; Lincoln, 27 July; T6R8, 14 July	4
6100	<b>caryae</b> Grote	Lee, N.H., 11 August; Augusta, 25 July; Chesuncook, 6 August	3
6101	<b>betulella</b> Hulst, birch tubemaker	40 localities, 28 June–26 September; Otisfield, larva on <i>Betula</i> , 11 June, emerged July; Caribou, 1 emerged 10 June ex white birch	967
6103	<b>rubrifasciella</b> Packard	13 localities, 26 June–19 August; Augusta, 2 ex alder; Orono, type locality	27
6104	<b>comptoniella</b> Hulst, sweetfern leaf casebearer	15 localities, 28 June–26 August	109
6105	<b>myricella</b> Barnes & McDunnough	Georgetown, 13 July, 19 July, 29 July; Augusta, 29 July; Kingfield, 22 July 2; Greenville, 22 July; Bar Harbor, 20 July, 28 July; Lincoln, 21 July; Dennysville, 7 July, 9 July, 12 July, 13 July 3, 19 July 5, 20 July 9, 28 July 12, 30 July 2	44
6107	<b>septentrionella</b> Dyar ( <i>exsulella</i> Zeller)	Hampton, N.H., 5 July	1

### Genus MINEOLA Hulst 1890

6111	<b>tricolorella</b> Grote	49 localities, 2 July–16 August	599
6112	<b>amplexella</b> Ragonot	21 localities, 12 June–4 August	140
6112.1	<b>new sp.</b>	15 specimens reared on <i>Lyonia ligustrina</i> , emerged 21–31 May	15
6114	<b>vaccinii</b> Riley, cranberry fruitworm	24 localities, 17 June–13 August	175
6115	<b>indigenella</b> Zeller ( <b>ACROBASIS</b> Zeller 1839), leaf crumpler	25 localities, 7 June–2 August	191

### Genus DIORYCTRIA Zeller 1846

6125	<b>clarioralis</b> Walker, blister coneworm	Hampton, N.H., 29 August	1
6126.1	<b>disclusa</b> Heinrich, webbing coneworm	Topsfield, 28 July; Adults fly June into July, feed in cones of Scotch and jack pines.	1

- 6129 **abietella** Dennis & Schiffermuller 36 localities, 21 June-10 August; Bailey Island, ex *Pinus resinosa*; Orono, 12 September in white pine branch (E.M. Patch) det. U.S.N.M. 119
- 6131 **reniculella** Grote (**reniculelloides** Mutuura & Munroe), spruce coneworm 32 localities, 15 June-3 August; Bar Harbor emerged 25 April, emerged 26 April; Bailey Is., emerged July; Mere Point, Casco Bay, 24 August, Packard, 5th Report, U.S. Ent. Com. pp. 854-56, on spruce 10-20 ft. high, webbing and feeding on young cones, producing big masses of frass 104
- 6131.1 **resinosella** Mutuura Farmington, 1 September; Camden, 21 July; Bar Harbor, 2 August, ex blister rust canker, white pine; Northeast Harbor, 13 August, ex pitch mass on white pine; Lincoln, 31 July; Guerette, 27 July; Topsfield, 30 July. (The sorting of this species from **zimmermanni** is uncertain.)

### Genus PINIPESTIS Grote 1878

- 6133 **zimmermanni** Grote, Zimmerman pine moth Durham, N.H., September; Portland, 20 July 2, 30 August; Camden, 26 July; Farmington, 1 September; Bar Harbor, 2 August 2, 18 August; Northeast Harbor, 13 August; Lincoln, 31 July; Guerette, 27 July; Alexander, 7 August 13

### Genus GLYPTOCERA Ragonot 1889

- 6148 **consobrinella** Zeller 27 localities, 17 June-23 July 89

### Genus ORTHOLEPIS Ragonot 1887

- 6149 **jugosella** Ragonot 15 localities, 30 June-14 August; Augusta, emerged ex white birch, 14 July 2 41
- 6149.1 **myricella** McDunnough 17 localities, 1 July-28 July 120
- 6149.2 **rhodorella** McDunnough 12 localities, 8 July-25 July 24

### Genus NEPHOPTERYX Hübner 1825 (TELETHUSIA Heinrich 1956)

- 6163 **ovalis** Packard Norway, no date (A.I. Smith); Jackman, 15 July; Farmington, 1 July; Unity, 4 July 3, 12 July 3; Orono, type locality, July; Lincoln, 15 July; Topsfield, 7 July, 11 July, 18 July 2 22

### Genus TLASCALA Hulst 1890

- 6177 **finitella** Walker 10 localities, 3 May-3 August 25
- 6180 **reductella** Walker Portland, 5 July; Gorham, Maine, 8 August; Augusta, 30 June 10

### Genus MEROPTERA Grote 1882

- 6183 **uvinella** Ragonot Portland, 5 July; Augusta, 25 June, 28 June; Chesuncook, 12 June; T9R5, 16 July 5

6184	<b>pravella</b> Grote	26 localities, 3 June-31 August; Augusta, 25 June 1 bred ex <i>Rhus glabra</i> , July-August bred ex webbed leaves of sumac; Old Town, type locality	133
6184.1	<b>abditiva</b> Heinrich	27 localities, 6 June-8 August	133
6185.1	<b>unicolorella</b> Hulst ( <b>OREANA</b> Hulst)	11 localities, 2 June-31 July	25

### Genus **IMMYRLA** Dyar 1906

6187	<b>nigrovittella</b> Dyar	Kittery, 2 September	1
6189	<b>pasadamia</b> Dyar	52 localities, 8 June-15 August	1159

### Genus **SALEBRIA** Zeller 1846

6196	<b>turpidella</b> Ragonot	Augusta, 7 July	1
6197	<b>annulosella</b> Ragonot	Mt. Vernon, 8 July; Bar Harbor, 28 July; Lincoln, 5 July 2, 8 July	5
6199	<b>tenebrosella</b> Hulst	Augusta, 18 July; Greenville, 23 July; Lincoln, 4 July, 7 July, 8 July, 23 July	6
6203	<b>fructetella</b> Hulst	Kingfield, 22 July	1
6204	<b>carneela</b> Hulst ( <b>NEPHOPTERYX fide</b> Heinrich)	20 localities, 18 June-5 August; "Maine" type locality	50
6205	<b>virgatella</b> Clemens ( <b>NEPHOPTERYX fide</b> Heinrich)	15 localities, 24 June-14 August	25
6205.1	<b>subcaesiella</b> Clemens ( <b>NEPHOPTERYX fide</b> Heinrich), locust leafroller	14 localities, 21 May-8 August, Augusta many late July; Orono, type locality	121
6206	<b>celtidella</b> Hulst	Vassalboro, 27 May	1
6209	<b>basilaris</b> Zeller ( <b>NEPHOPTERYX fide</b> Heinrich)	48 localities, 11 June-15 August	750
6213	<b>subfuscella</b> Ragonot ( <b>NEPHOPTERYX fide</b> Heinrich)	Kittery larvae collected 2 September, emerged 15 May 2 "was common on the leaves of sumac" (L. Conklin); Farmington, 19 June; Augusta, 17 June, 19 June, 21 June 3, 25 June 5, 28 June 2, June bred ex <i>Rhus glabra</i> , 5 July 2, 8 July, 31 July; Bar Harbor, 4 July; Lincoln, 29 July; Millinocket, 2 July, 17 July; Chesuncook, 12 July 2	26

### Genus **MYRLAEA** Ragonot 1893

6224	<b>vetustella</b> Dyar ( <b>NEPHOPTERYX fide</b> Heinrich)	10 localities, 6 July-30 July	31
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### Genus **LAODAMIA** Ragonot 1888

6227	<b>fusca</b> Haworth ( <b>PYLA</b> Grote)	35 localities, 27 May-16 October	144
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**Genus ELASMOPALPUS Blanchard 1852**

- 6231 **lignosellus** Zeller, lesser cornstalk borer Augusta, 15 July, 28 July, 1 September, 21 September; T6R7, 15 July, 27 July, 28 July; Cross Lake, 5 July 2; Dennistown, 31 July; Mt. Desert, 15 August 11

**Genus PYLA Grote 1882**

- 6241.1 **insinuatrix** Heinrich Bar Harbor, 11 July; Dennistown, 18 July 2
- 6241.3 **gaspeensis** McDunnough Bar Harbor, 12 June; Oquossoc, 13 July; T9R5, 7 July 3

**Genus EPISCHNIA Hübner 1818**

- 6251.1 **albiplagiata** Packard Hampton, N.H., 26 May, 1 June, 2 June 2, 12 June, 13 June, 19 June, 2 July 10; Scarboro, 31 May; Tremont, 12 June 2; Southwest Harbor, June; Baker Is., 28 June 2; T9R5, 17 July 24

**Genus ETIELLA Zeller 1839**

- 6274 **zinckenella** Treitschke Hampton, N.H., 3 August 1

**Genus ZOPHODIA Hübner 1818 (1825)**

- 6303 **grossulariae** Riley (**convolutella** Hübner), gooseberry fruitworm Syn, **turbatella** Grote, Old Town type locality. Hampton, N.H., 6 May; Farmington, 2 June, 11 June, 15 June; Mt. Vernon, 30 May; Vassalboro, 27 May 2, 4 June; Orono, no date; Old Town, no date. 10

**Genus EUZOPHERA Zeller 1867**

- 6317 **semifuneralis** Walker, American plum borer Hampton, N.H., 12 July, 17 July; Farmington, 19 June; Enfield, 18 July; Lincoln, 10 July, 12 July, 28 July; Augusta, 30 May, 24 June 9
- 631 **ochrifrontella** Zeller (**EULOGIA** Heinrich 1856) 24 localities, 28 June-19 September. Augusta, 19 September 1 at light 284

**Genus MANHATTA Hulst 1890**

- 6325.1 **broweri** Heinrich 29 localities, 8 June-22 August; Bar Harbor is type locality, included are 3 ♂ and 5 ♀ paratypes 454

**Genus LAETILIA Ragonot 1890**

- 6330 **myersella** Dyar Lincoln, 22 July 1
- 6330.1 **n. sp.?** Dover, N.H., 15 July 1
- 6331 **fiskeella** Dyar Marion, 15 July 1

**Genus CANARSIA Hulst 1880**

- 6332 **ulmiarrosorella** Clemens 14 localities, 3 June-12 August 107

**Genus PSOROSINA Dyar 1904**

- 6335 **hammondi** Riley, appleleaf skeletonizer Mt. Desert, defoliating *Crataegus* 10

**Genus HULSTIA Ragonot 1901**

- 6341 **undulatella** Clemens, sugarbeet crown borer Hampton, N.H., June, 6 August, 12 August, September, October; Millinocket, 7 August; Dennysville, 4 August 7

**Genus HOMOEOSOMA Curtis 1833**

- 6369.1 **deceptorium** Heinrich 12 localities, 30 June-30 July 19
- 6371 **stypticellum** Grote 29 localities, 2 June-17 August; Orono, Fernald coll., U.S.N.M. '77; Wales, 10 July, U.S.N.M. '77 91
- 6372 **mucidella reliquella** Dyar (**ROTRUDA** Heinrich 1956) Center Harbor, N.H., type locality. 23 localities, 3 June-8 October 122

**Genus EPHESTIODES Ragonot 1887**

- 6379 **gilvescentella** Ragonot Lincoln, 17 July 1
- 6380 **infimella** Ragonot 13 localities, 23 May-24 August 53
- 6384 **erythrella** Ragonot Topsfield, 31 July, 1 August 2
- 6384.1 **erasa** Heinrich Augusta, 30 July; Farmington, 22 June, 18 July; Lincoln, 8 July, 23 July; Dennysville, 9 July 6

**Genus EURYTHMIA Ragonot 1887**

- 6385 **hospitella** Zeller? Durham, N.H., 1 August; Lincoln, 10 July, 8 August; Topsfield, 19 July 4
- 6385.1 **sp.** Topsfield, 30 July 1
- 6386 **parvulella** Ely Oquossoc, 21 July; Naples, 30 July; Lincoln, 12 July, 19 July; Georgetown, 29 July; Bar Harbor, 18 July 6
- 6387 **angulella** Ely 24 localities, 2 July-4 August 72
- 6389 **fumella** Ely Seboomook, 5 August; Lincoln, 18 July; Millinocket, 13 July 3

**Genus MOODNA Hulst 1890**

- 6396 **ostrinella** Clemens Chesuncook, 10 July; Augusta, 28 May 3, 4 June, 6 June, 27 June, 27 July, 31 July, 7 August, 12 August, 21 August,

14 September 3; Vassalboro, 10 June; Farmington, 14 July; Smithfield, 12 August bred ex sumac heads, 18 September 2; Dennistown, 21 August; Lincoln, 27 June

22

### Genus EPHESTIA Guenée 1845

- 6399 **kuehniella** Zeller (**ANAGASTA** Heinrich 1956), Mediterranean flour moth  
Gardiner, 10 March 3; Augusta, 12 June, 15 June, 28 August, 30 August 7, 31 January, 15 February 15
- 6401 **elutella** Hübner, tobacco moth Oquossoc, 15 June, 16 June; Augusta, 4 May, 5 June, 6 June, 25 July 2, 26 July, 23 September, 1 November; Bar Harbor, 14 July, 18 July 2, 19 July 3, 1 August 2, 9 August 19
- 6402 **figulilella** Gregson, raisin moth Brunswick, 16 November 2 2
- 6403 **cautella** Walker, almond moth Augusta, 23 June, 29 June, 4 July, 4 August; Kingfield, 27 July; Lincoln, 2 July, 11 July, 13 July, 19 July, 20 July, 26 July, 27 July 2, 1 August, 6 August; Patten, 14 July; T11R8, 23 July; Oquossoc, 15 July; Greenbush, 2 August 19

### Genus VARNERIA Dyar 1904

- 6406 **postremella** Dyar 11 localities, 5 July-8 August 259

### Genus PLODIA Guenée 1845

- 6408 **interpunctella** Hübner, Indian meal moth Winthrop, 25 April; Augusta, 11 April 2, 1 May 2, 5 May 5, 8 May 4, 24 May; Bar Harbor, 14 July 3; Mt. Desert, 24 June, 20 July, 9 August 21

### New Genus?

- 6408.1 **new sp.?** Bar Harbor, 12 July, 18 July, 30 July, 31 July 4, 1 August, 3 August, 5 August 2, 9 August 2, 16 August, 18 August, 19 August 16

### Genus PECTINIGERIA Ragonot 1901

- 6418 **gemmatella** Hulst Kennebunk, 11 August, 22 August 2

### Genus POUJADIA Ragonot 1901 (**ATACOSA** Hulst 1890)

- 6420 **glareosella** Zeller Bar Harbor, 14 September 1

### Genus CABNIA Dyar 1904

- 6427 **myronella** Dyar Georgetown, 23 August; Bar Harbor, 18 July, 19 July 2 4

### Genus PEORIA Ragonot 1887

- 6439 **approximella** Walker 18 localities, 10 June-14 September 446

**Genus BANDERA Ragonot (WAKULLA Shaffer 1968)**6446 *carneella* Barnes & McDunnough Marion, 26 July 1**Genus ACENTROPUS Curtis 1834**6457.1 *niveus* Oliver Gorham, Me., 8 August 1**Family PTEROPHORIDAE****Genus TRICHOPTILUS Walsingham 1880**6463 *lobidactylus* Fitch 30 localities, 2 July-16 September 142**Genus PTEROPHORUS Geoffrey 1762**

- 6464 *periscelidactylus* Fitch A common grape feeder
- 6465 *ontario* McDunnough Sanford, 8 July; Augusta, 20 July; Greenville, 9 July; Lincoln, 16 July 2; T6R11, 1 August; Allagash, 14 July 7
- 6466 *evansi* McDunnough Sidney Bog, 15 July; Lincoln, 8 July; Topsfield, 9 July 2 4
- 6467 *tenuidactylis* Fitch 31 localities, 21 June-7 August 67
- 6468 *buscki* McDunnough Sidney, 15 July 2; T18R12, 28 July 3
- 6469 *raptor* Meyrick Lincoln, 30 June; Millinocket, 31 July, 5 August 2; T6R11, 1 August 5

**Genus PLATYPTILIA Hübner 1826**

- 6474 *tesseradactyla* Linnaeus Kezar Falls, 17 May 5; Mt. Vernon, 29 May; Augusta, 22 May, 30 May 2, 13 June; Chesterville, 4 June; Howland, 6 June; Oxbow, 29 May, 9 June 2, 14 June; Allagash, 7 July, 12 July 18
- 6476 *pallidactyla* Haworth 50 localities, 10 June-3 August 1175
- 6477 *carduidactyla* Riley 22 localities, 9 June-7 August 120
- 6485 *pica* Walsingham Kennebunk, 18 February, in a greenhouse; Portland 11 May 3, 11 June 2, 10 July 7
- 6489 *auriga* Barnes & Lindsey 23 localities, 1 July-6 August 68
- 6490 *edwardsii* Fish 12 localities, 30 May-22 July 23
- sp. nr. edwardsii* Greenville, 9 July 1
- sp. nr. edwardsii* Topsfield, 2 August 1

**Genus STENOPTILIA Hübner 1826**6513 *coloradensis* Fernald 10 localities, 1 July-8 August 14

**Genus ADAINA Tutt 1905**

- 6519.1 **declivis** Meyrick Dennistown, 9 August; Greenville, 23 July; Augusta, 30 July 3, 1 August 4, 10 August 2, 13 August, 15 August, 26 August; Tremont, 16 July 2, 18 July; Mt. Desert, 27 July, 13 August; Lincoln, 2 August, 4 August; T18R12, 25 August; Allagash, 27 July; Dennysville, 16 July, 5 August 25
- 6522 **ambrosiae** Murtfeldt Hampton, N.H., 26 June; Augusta, 18 September 68; Lincoln, 4 August; T8R17, 10 August 70

**Genus OIDAEMATOPHORUS Wallengren 1895**

- 6526 **guttatus** Walsingham Kingfield, 27 July; T5R6, 26 July; T9R5, 31 July; Lincoln, 27 July; Ashland, 30 July; Topsfield, 3 August 6
- 6527 **mathewianus** Zeller 46 localities, 14 June-9 August 247
- 6529 **eupatorii** Fernald 12 localities, 14 July-10 September 16
- 6545 **brucei** Fernald Hampton, N.H., 10 July 2, 15 July; Dennistown, 8 August 4
- 6546 **inquinatus** Zeller Hampton, N.H., 19 June 1
- 6554 **lienigianus** Zeller Hampton, N.H., 15 July; Augusta, 18 July; Vassalboro, 14 July 3
- 6561 **homodactylus** Walker 29 localities, 6 June-2 August; Ellsworth, 20 July on *Solidago* 116
- 6562 **elliottii** Fernald 14 localities, 16 June-14 August 41
- 6563 **stramineus** Walsingham 21 localities, 29 May-29 August 65
- 6565 **paleaceus** Zeller Augusta, 7 August, 18 August; Jackman, 26 June; Bar Harbor, 3 August, 9 August, 10 September; Mt. Desert, 1 August 7
- 6568 **lacteodactylus** Chambers Westbrook, 30 June; Augusta, 15 June 3, 26 June, 29 June, 30 June 2, 2 July; Jackman, 26 June; Bar Harbor, 22 June 2; Passadumkeag, 18 June 2, 28 June; Lincoln, no date; Fort Kent, 7 July, 8 July, 10 July 3 25

**Family OLETHREUTIDAE****Genus EPISIMUS Walsingham 1891**

- 6592 **argutus** Clemens 11 localities, 24 May-26 August 65
- 6594 **tyrius** Heinrich Hampton, N.H., 21 June 1

**Genus BACTRA Stephens 1834**

- 6595 **lanceolana** Hübner Greenville, 28 July; Oquossoc, 5 July, 15 July; Dennistown, 18 August, 21 August; Kingfield, 24 July; Augusta, 15 July; Southwest Harbor, 25 July 2; Lincoln, 5 July, 18 July 11



6596	<b>furfurana</b> Haworth	30 localities, 8 July–6 October; Seawall Bog “many”	165
6597	<b>verutana</b> Zeller	14 localities, 23 May–8 September	25
6599	<b>priapeia</b> Heinrich	T9R5, 24 July	1

### Genus **POLYCHROSIS** Ragonot 1894

6602	<b>viteana</b> Clemens, grape berry moth	Gardiner, 3 July	1
6603	<b>monotropana</b> Heinrich	Oquossoc, 8 July; Lincoln, 10 July, 17 July 2; Ashland, 27 July	5
6604	<b>cyripiediana</b> Forbes	Kennebunkport, no date; Kingfield, 28 July; Lincoln, 7 July, 13 July, 17 July 2, 22 July, 24 July; Millinocket, 17 July; T8R19, Somerset Co., 9 August; Kellyland, 18 July; Marion, 13 July	12
6605	<b>rhoifructana</b> Kearfott	10 localities, 10 June–6 August; Kennebunkport, 8–15 March, reared specimens on sumac, U.S.N.M.	36
6606	<b>yaracana</b> Kearfott	Augusta, 30 July; Bar Harbor, 10 June 25; Lincoln, 13 July, 17 July, 18 July, 22 July 2, 24 July, 25 July; Millinocket, 13 July; Dennysville, 13 July, 23 July; Marion, 18 July; E. Machias, 28 July, 29 July	39
6607	<b>spiraeifoliana</b> Heinrich	12 localities, 1 June–2 August; Kennebunkport, August and September (G.H. Clapp)	23
6609	<b>palliolana</b> McDunnough	Greenville, 2 August; Lincoln, 8 July, 14 July, 22 July, 24 July; Marion, 27 July	6
6610	<b>aemulana</b> Heinrich	10 localities, 25 June–3 August	31
6610.1	<b>piceana</b> Freeman	Bar Harbor, 12 July; Southwest Harbor, 8 June; Lincoln, 11 July, 24 July, 8 August; Ashland, 2 July	6
6611	<b>vernoniana</b> Kearfott	Hampton, N.H., 15 July, 20 July, 25 July; Lincoln, 25 July; Mt. Vernon, 7 July	5
6613	<b>slingerlandana</b> Kearfott	Oquossoc, 29 June; Lincoln, 8 July, 22 July, 25 July	4
6614	<b>carduana</b> Busck	Lincoln, 19 July, 22 July 2, 26 July	4
6616	<b>cyclopiana</b> Heinrich	Oquossoc, 12 August; Lincoln, 14 July, 2 August, 3 August	4
6617	<b>spiraeae</b> McDunnough ( <b>artemisiana</b> Zeller)	Mt. Desert, 5 August; Lincoln, 4 July, 7 July 3, 8 July, 9 July, 10 July, 13 July, 14 July 2, 17 July, 18 July 2, 21 July 4, 22 July 4, 23 July, 25 July, 27 July 2; Millinocket, 1 July, 13 July, 15 July, 19 July, 20 July; Allagash, 23 July; Topsfield, 10 July, 18 July 3; Dennysville, 16 July, 23 July; Marion, 14 July 2, 18 July 2, 21 July 2, 23 July 2, 26 July, 27 July, 30 July; E. Machias, 29 July 2, 1 August 2; Jonesboro, 28 July	53
6617.1	<b>sp. nr. spiraeae</b>	Greenville, 29 June	1

**Genus AHMOSIA Heinrich 1926**

- 6619 *aspasiana* McDunnough Augusta, 6 June; Bangor, 20 June, 24 June 3

**Genus ENDOTHENIA Stephens 1852**

- 6624.1 *affiliana* McDunnough Augusta, 6 June 3
- 6625 *hebesana* Walker 20 localities, 30 May-16 September 35
- 6626 *daeckean*a Kearfott Augusta, 16 September, Sidney Bog, 28 July bred ex *Sarracenia*; Southwest Harbor reared; Katahdin Iron Works, emerged August; Camden, 21 July, working in heads of *Sarracenia*; Bangor, reared; Enfield, reared; Lincoln, 28 August; Millinocket, 5 July 10
- 6629 *antiquana* Hübner Hampton, N.H., 27 April, 24 July 2

**Genus TANIVA Heinrich 1926**

- 6630 *albolineana* Kearfott 37 localities, 7 June-31 August; Falmouth, emerged June; Jefferson, emerged 31 May; York, 27 April-June, 6 specimens ex *Picea* 129

**Genus HULDA Heinrich 1926**

- 6632 *impudens* Walsingham 48 localities, 11 June-13 August 744

**Genus ESIA Heinrich 1926**

- 6633 *approximana* Heinrich Enfield, 2 August; Lincoln, 12 July, 1 August, 4 August, 5 August; Millinocket, 5 August 6

**Genus EUMAROZIA Heinrich 1926**

- 6634 *malachitana* Zeller Georgetown, 18 July, 24 July, 18 August, 24 August; Augusta, 29 June, 16 September; Bangor, 24 June; Dennysville, 4 August; Marion, 27 July 9

**Genus ZOMARIA Heinrich 1926**

- 6635 *interruptolineana* Fernald Kingston, N.H., 12 July, 17 July; Hampton, N.H., 9 August; Augusta, 18 June; Lincoln, 14 July; Mt. Katahdin, 8 July; Oquossoc, 12 July, 14 July; New Hampshire is type locality. 8

**Genus APHANIA Hübner 1826**

- 6638 *capreana* Hübner 24 localities, 26 June-2 August 39
- 6639 *youngana* McDunnough 27 localities, 16 June-3 August; Salisbury Cove, 1 emerged June; Mt. Bigelow, 1 at 4000 ft. 53
- 6639.1 *paludicolana* Brower 17 localities, 4 July-5 August; Southwest Harbor, 124 specimens, including allotype and paratypes 147

6643	<i>tertiana</i> McDunnough	Oquossoc, 23 June, 14 July; T15R13, 25 July	3
6644	<i>bifida</i> McDunnough	Tim Pond, 7 July; T6R7, 8 July	2
6645	<i>afficticia</i> Heinrich	Augusta, 10 June	1
6647	<i>albeolana</i> Zeller	26 localities, 30 May-3 September	141
6648	<i>apateticana</i> McDunnough	Hollis, 27 July; Kennebunk, no date; Augusta, 10 July; Bar Harbor, 7 July; Mt. Desert, 10 July; Greenbush, 15 July, 2 August; Lincoln, 13 July, 22 July, 29 July 2; Allagash, 11 July; Marion, 23 July	13
6649	<i>deceptana</i> Kearfott	31 localities, 2 July-12 September	155
6650	<i>dextrana</i> McDunnough	35 localities, 5 July-23 August	124
6651	<i>infida</i> Heinrich	56 localities, 13 June-24 August	308
6652	<i>removana</i> Kearfott	14 localities, 27 June-27 September	55

#### Genus *SCIAPHILA* Treitschke 1829

6653	<i>duplex</i> Walsingham	46 localities, 17 June-3 August	495
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#### Genus *BADEBECIA* Heinrich 1926

6654	<i>urticana</i> Hübner	34 localities, 21 May-30 July; Bar Harbor, 2 reared from white birch	104
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#### Genus *PHAECASIOPHORA* Grote 1873

6656	<i>niveiguttana</i> Grote	Hampton, N.H., 5 June	1
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#### Genus *EXARTEMA* Clemens 1860

6659	<i>nitidanum</i> Clemens	Augusta, 8 July; Lincoln, 7 July, 10 July, 15 July, 22 July; DeBoulie Mt., 18 July; Chesuncook, 14 July	7
6660	<i>foedanum</i> Clemens	14 localities, 20 June-30 August	22
6661	<i>furfuranum</i> McDunnough	Dennysville, 29 July	1
6662	<i>olivaceanum</i> Fernald	19 localities, 21 June-15 August	49
6663	<i>fraternanum</i> McDunnough	12 localities, 6 July-8 August	28
6664	<i>subnubilum</i> Heinrich	11 localities, 7 July-29 July	19
6665	<i>electrofusum</i> Heinrich	16 localities, 28 June-25 August	103
6666	<i>rusticanum</i> McDunnough	Friendship, 9 August; Boothbay, 15 August; Augusta, 28 July, 6 August, 8 August; Bar Harbor, 15 July, 18 July, 19 July, 26 July, 28 July, 9 August; Enfield, 30 July, 1 August, 3 August 3, 4 August 2, 5 August 7; Lincoln, 13 July, 18 July, 19 July, 25 July 2, 27 July; Millinocket, 15 July, 20 July, 24 July; Marion, 23 July; Dennysville, 25 July	36

6667	<b>zellerianum</b> Fernald	26 localities, 18 June–18 August	312
6668	<b>footianum</b> Fernald	13 localities, 8 July–14 August	24
6669	<b>atrodentanum</b> Fernald	10 localities, 5 July–10 August	61
6669.1	<b>lacunanum</b> Freeman	Farmington, 12 July 2; Bar Harbor, 7 July; Lincoln, 10 July, 15 July, 23 July, 26 July, 30 July; Long A, 12 July; Millinocket, 11 July; Ashland, 14 July; Topsfield, 1 August; Dennysville, 16 July; Marion, 12 July	14
6670	<b>punctanum</b> Walsingham	Augusta, 30 July; Greenville, 26 July 2; Millinocket, 12 July; Ashland, 30 July; Patten, 27 July; Allagash, 17 July; St. Francis, 20 July; T15R13, 23 July, 30 July	10
6671	<b>connectum</b> McDunnough	Augusta, 30 July, 1 August; Lincoln, 14 July, 29 July; Topsfield, 13 July	5
6672	<b>inornatanum</b> Clemens	N. Bridgton, 7 July; Eustis, 7 July; Caratunk, 4 July; Chesuncook, 12 July; Augusta, 8 July; Vassalboro, 14 July 2; T11R8, 30 July	8
6673	<b>clavanum</b> Walker	10 localities, 28 June–28 July	16
6674	<b>mediopartitum</b> Heinrich	Lincoln, 27 July	1
6675	<b>exoletum</b> Zeller	13 localities, 17 June–28 July; Old Town, May, bred ex <i>Ribes</i> : Orono, 8 June 2 bred ex curreant	22
6677	<b>tenebricum</b> Heinrich	Durham, N.H., 1 August; Hampton, N.H., 16 August	2
6678	<b>quadrifidum</b> Zeller	25 localities, 20 June–4 August	114
6679	<b>tilianum</b> Heinrich	11 localities, 2 July–6 August	35
6681	<b>trepidulum</b> Heinrich	19 localities, 6 July–19 August; McDunnough (American Museum Novitates No. 1789, pp. 1-3) thinks <i>trepidulum</i> Heinrich, type locality Hampton, N.H., may be the same as 6667 <i>zellerianum</i> Fernald, type locality Maine, N.H., and other States	34
6682	<b>nigranum</b> Heinrich	10 localities, 6 June–19 August	32
6685	<b>merrickanum</b> Kearfott	13 localities, 3 June–19 August	39
6685.1	<b>hamamelliana</b> McDunnough	Lincoln, 11 July	1
6690	<b>fagigemmeanum</b> Riley	Lincoln, 28 July	1
6691	<b>sericoranum</b> Walsingham	Sebago Lake, 3 August; Oquossoc, 17 July; Augusta, 30 June, 9 July	4
6692	<b>melanomesum</b> Heinrich	10 localities, 4 July–8 August; Sebec Lake, type locality, 16–23 July, 3 specimens (McD.)	19
6693	<b>valdanum</b> McDunnough	38 localities, 11 June–13 August; Warren, 21 May, 2 emerged	200

6694	<b>versicoloranum</b>	Clemens	Augusta, 9 July; Mt. Vernon, 22 June, 8 July	3
6696	<b>permundanum</b>	Clemens, raspberry leafroller	29 localities, 16 June-2 August, Crystal, 1 emerged June 30, ex <i>Ledum groenlandicum</i>	63
6697	<b>submissanum</b>	McDunnough	28 localities, 2 July-18 August	116
6698	<b>nananum</b>	McDunnough	Saco, 5 August 2; Augusta, 18 July; Belgrade, 5 August 3; Sebec Lake, no date; Oquossoc, 26 July, 28 July 2; Greenville, 23 July; Passadumkeag, 16 July 3; Lincoln, 8 August; Southwest Harbor, 9 July, 21 July 3, 25 July 2; Dennysville, 27 July 2	22
6699	<b>malanum</b>	Fernald	N. Bridgton, 19 July	1
6700	<b>appendiceum</b>	Zeller	26 localities, 29 June-25 July; Readfield, June, 1971, emerged June 9, ex beech	36
6701	<b>concinnaum</b>	Clemens	14 localities, 6 June-20 August	32
6702	<b>fasciatanum</b>	Clemens	24 localities, 26 May-11 August	100
6703	<b>troglo danum</b>	McDunnough	14 localities, 2 June-29 July	38
6704	<b>exaeresimum</b>	Heinrich	Augusta, 28 July; Topsfield, 26 July	2
6704.1	<b>lacunanum</b>	Freeman	Farmington, 13 July, 14 July	2
6705	<b>ferriferanum</b>	Walker	Portland, 5 July, 13 July	2

### Genus HEDIA Hübner 1826

6706	<b>separatana</b>	Kearfott	26 localities, 26 June-17 August	89
6707	<b>ochroleucana</b>	Hübner	21 localities, 2 July-2 August	52
6707.1	<b>nimbatana</b>	Clemens	Lincoln, 23 June, 10 July; Millinocket, 1 July, 12 July, 15 July 2, 20 July, 22 July, 23 July; T9R5, 25 July; Wesley, 5 July	12
6709	<b>chionosema</b>	Zeller	11 localities, 23 June-5 August; green budworm	36
6710	<b>cyanana</b>	Murtfeldt	Hampton, N.H., 16 June; Lee, N.H., 23 July	2

### Genus OLETHREUTES Hübner 1806

6712	<b>griseoalbana</b>	Walsingham	Hampton, N.H., 4 August	1
6713	<b>osmundana</b>	Fernald	Hampton, N.H., 8 July, 22 July, 23 July, 24 July 2, 25 July, 7 August; type locality, Orono, Maine, Fernald	7
6714	<b>auricapitana</b>	Walsingham	Gardiner, 3 July; Chelsea, 7 August; T6R2, 20 July; T9R5, 3 July	4
6715	<b>agilana</b>	Clemens	Oquossoc, 10 August; Greenville, 6 July; Augusta 4 July; Greenbush, 27 July; Enfield, 26 June, 9 July; T6R11, no date; Topsfield, 2 August	8

- 6716 **albiciliana** Fernald 20 localities, 26 April–8 August; Orono, type locality, 19 July 2, Fernald; Sedgewick, reared from spruce; Masardis, 1 emerged July, reared ex *Spiraea* 32
- 6717 **chalybeana** Walsingham Augusta, 16 July; Medomak, 22 June; Lincoln, 14 July; Lake of the Clouds, N.H., 21 August 1977, Warren J. Kiel 4
- 6718 **sordidana** McDunnough Tim Pond, 10 June; Eagle Lake, 5 June 2
- 6720 **constellatana** Zeller 15 localities, 14 June–20 July 36
- 6721 **astrologana** Zeller (*coronana* Kearfott) 23 localities, 14 June–27 July 108
- 6722 **coruscana** Clemens Hampton, N.H., 10 June, 20 June, 25 June, 4 July, 10 July, 11 July, 17 July 2, 19 July 2, 21 July; Mt. Washington, N.H., 29 July; N. Bridgton, 3 July, 17 July, 19 July; Oquossoc, 21 July; Belfast, 21 June; Farmington, 1 June; Lincoln, 5 July; T13R12, 24 July; Allagash, 21 July; Dennysville, 6 July 22
- 6723 **puncticostana** Walker Heinrich, Bul. 132 gives the range from Nova Scotia, the type locality, to the White Mountains of N.H., therefore it will be in Maine.
- 6726 **minaki** McDunnough Kokadjo, 18 July; St. Francis, 3 August 2
- 6727 **deprecatoria** Heinrich Oquossoc, 9 July; Salem, 19 June; T5R16, 7 July 5; T11R8, 7 July; DeBoulie Mt., 3 July; Marion, 18 July 10
- 6727.1 **sp. nr. deprecatoria** T7R19, 1 det. Heinrich 1
- 6728 **cespitana** Hübner 58 localities, 16 June–22 August 475
- 6729 **carolana** McDunnough Allagash, 21 July; St. Francis, 17 July; Marion, 23 July 3
- 6730 **polluxana** McDunnough 27 localities, 16 June–30 August 77
- 6731 **glaciana** Moeschler 46 localities, 12 June–20 August 284
- 6731.1 **undulana** Dennis & Schiffermuller T7R17, 5 July; T11R8, 9 July, det. W.E. Miller 2
- 6732 **bipartitana** Clemens 67 localities, 30 May–5 September 240
- 6733 **trinitana** McDunnough 27 localities, 13 June–31 August 43
- 6734 **schulziana** Fabricius Allagash, 8 July 1
- 6735 **intermistana** Clemens Bangor, 6 June 2; Tremont, 13 August, 15 September; Southwest Harbor, 26 August; Corea, 14 September 5; Sugarloaf Mt., 4200 ft., 9 August (det. W.E. Miller); Mt. Katahdin, 17 June 5, 19 June, 7 July, 9 July 3, 10 July, 11 July, 13 July, 16 July 2, 27 July; Dennysville, 12 July, 20 July 29
- 6735.1 **tessellana** Packard Mt. Katahdin, 3 July, 8 July, 9 July, 11 July 2, 19 July, 23 July, 27 July 2; Southwest Harbor, 9 July; Dennysville, 10 July 11

6736	<b>septentrionana</b> Curtis	Mt. Bigelow, 3 August	1
6737	<b>inquietana</b> Walker	Mt. Katahdin, 8 June, 17 June, 8 July, 13 July, 16 July, 17 July 2, 23 July 4; Corea, 14 July, 14 August	13
6739	<b>mengelana</b> Fernald	Mt. Katahdin, 9 July	1
6740	<b>costimaculana</b> Fernald	10 localities, 29 May-22 September	21

### Genus EVORA Heinrich 1926

6743	<b>hemidesma</b> Zeller	36 localities, 6 June-22 September	200
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### Genus PSEUDOGALLERIA Ragonot 1885

6744	<b>inimicella</b> Zeller	Hampton, N.H., 3 June; Kittery Pt. 2 May 2, 12 June	4
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### Genus RHYACIONIA Hübner 1825

6745	<b>buoliana</b> Schiffermuller,	European pine shoot moth Bailey Is., 30 June; Pemaquid Pt., 1 June	2
6748	<b>busckana</b> Heinrich	Durham, N.H.	1
6749	<b>adana</b> Heinrich	Lee, N.H., 2 May; Pine Point, 1 bred	2
6751	<b>rigidana</b> Fernald,	pitch pine tip moth Bar Harbor, 15 June	1
6752.1	<b>sonia</b> W.E. Miller	Durham, N.H., 1 June; Pine Point, 1 bred, emerged March; Chesterville, 26 August; So. Maine fide W.E. Miller	3

### Genus PETROVA Heinrich 1923

6754	<b>comstockiana</b> Fernald,	pitch twig moth Scarboro, 3 July emerged; Prout's Neck, 19 June 2 emerged, 27 June; Brunswick, 1 April 1 emerged; Popham, 26 May 1 emerged; Isle au Haut, 16 June emerged; Bar Harbor, 25 June, 3 July; Mt. Desert, 20 June	10
6756	<b>albicapitana</b> Busck,	northern pitch twig moth Durham, N.H., 26 May; Chelsea, 5 June; Augusta, 27 June	3
6756.1	<b>pinus</b> Freeman	Georgetown, 24 August; Gorham, 8 August; Oquossoc, 11 July 2, 16 July; Lincoln, 23 July	6
6762	<b>gemistrigulana</b> Kearfott	Eustis, 7 July, 17 July, 22 July, 23 July; Greenville, 24 July; Augusta, 26 May; Bar Harbor, 9 July, 10 July 2, 18 July, 19 July, 20 July, 20 August; Lincoln, 15 July, 19 July, 21 July, 23 July 2, 24 July, 25 July, 29 July	21
6764	<b>burkeana</b> Kearfott	19 localities, 5 July-14 August	36

### Genus BARBARA Heinrich 1923

6767.1	<b>mappana</b> Freeman	Bethlehem, N.H., 1 April; Oquossoc, 19 July, 29 July; T17R3, 2 larvae in fir cone, 16 July, emerged 5 March, 1953, Holmes & Lindsey	5
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**Genus SPILONOTA Stephens 1829 (ATMETOCERA Lederer, 1859)**

6768	<b>ocellana</b> Dennis & Schiffermuller, eyespotted bud moth	30 localities, 31 May-7 August	139
6768.1	<b>laricana</b> Heinemann	14 localities, July & August	92

**Genus STREPSICRATES Meyrick 1888**

6769.1	<b>indentana</b> Dyar	Lincoln, 26 July	1
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**Genus THIODIA Hübner 1825**

6770	<b>radiatana</b> Walsingham	24 localities, 12 May-11 July	154
6772	<b>essexana</b> Kearfott	T8R13, 11 July, 16 July	2
6775	<b>umbrastriana</b> Kearfott	Augusta, 10 June, 18 June, 19 June, 21 June; Chesterville, 4 June; Eustis, 9 June; Bar Harbor, 2 June; Southwest Harbor, 25 May	9
6776	<b>roseotermiana</b> Kearfott	Augusta, 4 June, 12 June 2, 4 July; Vassalboro, 7 June 3, 14 June 2; Hope, 22 June; Orono, 20 May; Crystal, 6 June; Chesuncook, 11 July	13
6777	<b>ferruginana</b> Fernald	Kezar Falls, 11 May; Belgrade, 13 June; Passadumkeag, 29 May; Enfield, 26 May; Patten, 23 July; 31 MD, Washington Co., 11 June	6
6778	<b>formosana</b> Clemens	28 localities, 12 May-3 August	167
6782	<b>refusana</b> Walker	Bucksport, 3 July; Bar Harbor, 19 July; Enfield, 20 May; Lincoln, 3 June	4
6784	<b>decempunctana</b> Walsingham	Alfred, 28 May; Hope, 27 June	2
6784.1	<b>autumnana</b> McDunnough	Augusta, 12 August, 29 August 3, 30 August, 1 September; Hope, 27 June	7
6784.2	<b>verna</b> W.E. Miller ( <b>PHANETA</b> W.E. Miller)	Alfred, 18 May	1
6786	<b>raracana</b> Kearfott	10 localities, 15 June-26 August	26
6787	<b>ochroterminana</b> Kearfott	32 localities, 6 July-28 August	147
6788	<b>perfuscana</b> Heinrich	27 localities, 5 July-28 August	26
6789	<b>crispiana</b> Clemens	13 localities, 9 July-20 August	21
6790	<b>alterana</b> Heinrich	Augusta, 9 July, 16 August	2
6791	<b>marmontana</b> Kearfott	Dennistown, 4 July; Oquossoc, 12 July; Seboomook, 17 July; Eustis, 17 July; Augusta, 30 July; Lincoln, 23 June; Ashland, 18 July; Allagash, 2 August; Marion, 14 July	9
6792	<b>sinestrigana</b> McDunnough	Southwest Harbor, 10 July	1



6794	<b>tomonana</b> Kearfott	Augusta, 24 July	1
	<b>sp. nr. tomonana</b>	Augusta, 27 August; Enfield, 12 August; T17R4, 27 July	3
6808	<b>ornatula</b> Heinrich	Durham, N.H., 21 August; Topsfield, 17 July, 18 July, 22 July, 29 July	5
6824	<b>clavana</b> Fernald	Hampton, N.H., 5 August; Millinocket, 10 July; Patten, 31 July	3
6829	<b>striatana</b> Clemens	17 localities, 24 May-31 July	32
6838	<b>kiscana</b> Kearfott	Augusta, 2 June, 6 June 3, 19 June, 16 July, 21 July, 27 July; Jefferson, 10 August; Wells, no date; Jackman, 2 June, 29 July; Ashland, 17 June; T11R10 23 June; Dickey, 6 July	15
6854	<b>olivaceana</b> Riley	23 localities, 21 June-10 August	78
6855	<b>verniochreana</b> Heinrich	Augusta, 16 August 2; Unity, 24 August; Jonesboro, 18 August	4
6856	<b>imbridana</b> Fernald	16 localities, 3 July-30 August	73

#### Genus EUCOSMA Hübner 1823

6894	<b>pergandeana</b> Fernald	34 localities, 16 June-18 August	580
6899	<b>albiguttana</b> Zeller	Augusta, 29 June 4, 15 July, 18 July; Jefferson, 4 July 4; Marion, 26 July	11
6908	<b>circulana</b> Hübner	Brownsfield, 16 May; Upton, 30 May; SMD (Springfield) 24 May	3
6924	<b>gloriola</b> Heinrich, eastern pine shoot borer	Durham, N.H., 1 June; Mt. Vernon, 8 June; Vassalboro, 12 June; Augusta, 24 June, 1 July 2	6
6929	<b>tocullionana</b> Heinrich, white pine cone borer	18 localities, 30 May-8 August	62
6931	<b>grotiana</b> Kearfott	Eustis, 9 July, 17 July; Dennistown, 7 July; T15R11, 23 July; Greenville, 24 July; Kingfield, 15 July, 17 July, 30 July; Greenbush, 15 July 3, 27 July; Lincoln, 27 July; Topsfield, 11 July	14
6967	<b>gomonana</b> Kearfott	Hampton, N.H., 7 July, 13 August, 28 August; Augusta, 11 July	4
6972	<b>dorsisignatana</b> Clemens	24 localities, 4 July-30 September	187
6972.1	<b>similana</b> Clemens ( <b>confluana</b> Kearfott)	12 localities, 24 July-1 September	38
6972.2	<b>engelana</b> Kearfott	Hampton, N.H., 15 September	1
6975	<b>derelecta</b> Heinrich	29 localities, 12 June-3 September	446
6977	<b>eumaea</b> Meyrick	Augusta, 11 August; Lincoln, 11 July, 23 July, 25 July; Topsfield, 18 July	5

6978	<b>mandana</b> Kearfott	Augusta, 19 June, 20 June, 23 June; Bar Harbor, 3 July	4
6982	<b>sombreana</b> Kearfott	Augusta, 15 June	1
7001	<b>zomonana</b> Kearfott	Lincoln, 29 July	1
7002	<b>womonana</b> Kearfott	T17R11, 2 August	1
7004	<b>cataclystiana</b> Walker	31 localities, 10 June–20 August	555
7010	<b>resumptana</b> Walker	Hampton, N.H., 19 June	1

### Genus **EPIBLEMA** Hübner 1825

7012	<b>boxcana</b> Kearfott	Dennistown, 8 July; Oquossoc, 15 July; Augusta, 12 July, 27 August; Blue Hill, 26 July; Bar Harbor, 14 August; Lincoln, 14 July; T9R5, 10 July; Millinocket, 18 July, 26 July, 17 August	11
7014	<b>strenuana</b> Walker, ragweed borer	Oquossoc, 24 July; Kingfield, 17 July; Augusta, 9 July, 18 July, 30 July 3, 6 August, 28 August; Lincoln, 26 July; Millinocket, 18 July, 26 July, 17 August	13
7015	<b>abruptana</b> Walsingham	T15R9, 13 July; Mt. Vernon, 29 May; Topsfield, 30 July	3
7016	<b>numerosana</b> Zeller	Augusta, 16 September; T17R12, 15 July	2
7022	<b>insidiosana</b> Heinrich	Oquossoc, 17 June, 19 July; Vassalboro, 17 June; Lincoln 25 July; Ashland, 1 July	5
7024	<b>exacerbaticana</b> Heinrich	Gorham (Me.), 8 August; Augusta, 17 June; Lincoln, 25 June, 12 August; Greenville, 8 July, 9 July; Passadumkeag, 11 June; Ashland, 29 July	7
7025	<b>tripartitana</b> Zeller	Durham, N.H., 30 October 2; Weare, N.H., 17 July; Kingfield, 18 July	4
7027	<b>scudderiana</b> Clemens	18 localities, 30 May–19 August	64
7028	<b>kennebecana</b> Kearfott	Kennebunkport, type locality; Augusta, 24 August; Dennistown, 2 July; T15R15, 14 July; Marion, 27 July	5
7029	<b>discretivana</b> Heinrich	Lincoln, 23 June, 8 July; Millinocket, 16 July; T13R12, 2 August; T15R15, 16 July	5
7030	<b>obfuscana</b> Dyar	Augusta, 10 June, 16 June, 18 June; Oquossoc, 17 July; Lincoln, 8 July; Millinocket, 22 July; T9R5, 27 July; T17R11, 18 July; Hope, 26 May; Marion, 30 July	10
7031	<b>desertana</b> Zeller	Hampton, N.H., 3 June	1
7032	<b>carolinana</b> Walsingham	Augusta, 28 May, 29 June, 27 July, 11 August; Madison, August; Salem, June; Lincoln, June (Clayton); Shin Pond, 2 July; Allagash, 8 August; Topsfield, 18 July, 30 July; Marion, 5 July 2, 18 July	14

7034	<b>purpurissatana</b> Heinrich	Bar Harbor, 29 July, det. McDunnough	1
7035	<b>walsinghami</b> Kearfott	Vassalboro, 7 June?	1
7040	<b>suffusana</b> Zeller	14 localities, 7 June-4 August	94
7041	<b>dorsisuffusana</b> Kearfott	Oquossoc, 5 August, 10 August; Millinocket, 24 July	3
7042	<b>illotana</b> Walsingham	Hampton, N.H., 31 May, 7 June; Topsfield, no date	3
7043	<b>culminana</b> Walsingham	Bar Harbor, 1 August, 9 August; Mt. Desert, 17 August; Lincoln, 28 July; Camp Colby (Patten), 31 July; T9R5, 7 August; Kellyland, July 2; Dennysville, 28 July, 31 July, 2 August 3, 3 August 4, 4 August, 5 August 6; Marion, 27 July; E. Machias, 1 August 3, 5 August 2	28
7044	<b>otiosana</b> Clemens, bidens borer	Oquossoc, 8 August; Augusta, 10 July, 13 July 2, 29 July, 11 July, 7 August, 8 August, 14 August; Vassalboro, 1 August; Unity, 11 July; Greenville, 16 July, 20 July; Bar Harbor, 17 July; Lincoln, 2 July, 8 July 2, 29 July, 4 August; Millinocket, 27 July; Clayton Lake 27 July	21
7045	<b>brightonana</b> Kearfott	17 localities, 2 July-8 August	72
7047	<b>abbreviatana</b> Walsingham	Augusta, 22 May, 30 May; Southwest Harbor, 25 May; Lincoln, 16 July	4

#### Genus SULEIMA Heinrich 1923

7053	<b>cinerodorsana</b> Heinrich	Greenville, 17 July; Ashland, 15 August; Dennysville, 30 July	3
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#### Genus SONIA Heinrich 1923

7054	<b>constrictana</b> Zeller	Eustis, 17 July; Augusta, 30 August; Bar Harbor, 25 July; Lincoln, 13 July, 25 July	5
7055	<b>canadana</b> McDunnough	Montreal, Que.	1

#### Genus CORTICIVORA Clarke 1951

7057.1	<b>clarki</b> Clarke	Dover, N.H., 22 July, This species breeds in red pine bark; is to be expected in Maine	1
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#### Genus GYPSONOMA Meyrick 1895

7058	<b>fasciolana</b> Clemens	16 localities, 30 May-16 July; Wallgrass, 1 reared from aspen	24
7061	<b>haimbachiana</b> Kearfott, cottonwood twig borer	13 localities, 24 June-25 August	28
7062	<b>substitutionis</b> Heinrich	29 localities, 18 June-17 August	106

- 7063 **salicicolana** Clemens 20 localities, 25 May-18 August 35
- 7064 **adjuncta** Heinrich Dennistown, 4 July; Farmington, 22 June; Lincoln, 22 July, 23 July; Millinocket, 15 July, 17 July; St. Francis, 6 July 8

### Genus **PROTEOTERAS** Riley 1882

- 7065 **aesculana** Riley 18 localities, 22 June-12 August; Dover, N.H., boring in petioles of *Acer rubrum* (W. Morse) 81
- 7067 **willingana** Kearfott, boxelder twig borer Dover, N.H., August (no date); Millinocket, 13 July 2
- 7068 **crescentana** Kearfott Greenville, 15 July; Jackman, 23 July; Lincoln, 18 July; Millinocket, 21 July 4
- 7070 **moffatiana** Fernald 25 localities, 12 June-5 August 126
- 7072 **obnigrana** Heinrich Augusta, 19 June 1

### Genus **ZEIRAPHERA** Treitschke 1829

- 7074 **canadensis** Mutuura & Freeman (**ratzeburgiana** auct.), spruce bud moth 30 localities, 11 June-17 September 375
- 7075 **diniana** Guenée 14 localities, 1 July-5 August 23
- 7077 **fortunana** Kearfott 20 localities, 23 June-31 July 32

### Genus **PSEUDEXENTERA** Heinrich 1940 (**EXENTERA** Grote 1877)

- 7078 **improbana** Walker Augusta, 3 April, 9 April, 10 April 7, 13 April 6, 16 April, 20 April 2, 22 April, 28 April, 29 April; Waterville, 22 April; Bar Harbor, 27 April, 21 May 2, 23 May; Enfield, 20 May 3 29
- 7078.1 **ressoniana** Clemens (**apriliana** Grote) Hampton, N.H., 22 April 2, 6 May, 26 May; Augusta, 19 March 2, 25 March 2, 29 March, 1 April 2, 9 April, 10 April, 19 April 2; Orono, 18 April; Bar Harbor, 1 May 2, 23 May 19
- 7078.2 **oregonana** Walsingham? Augusta, 10 April, 20 April, 5 May 2; Jefferson, 20 March; Bar Harbor, 19 April, 26 April 3; Mt. Desert, 21 April, 25 April 2, 26 April, 2 May; Enfield, 24 April 15
- 7078.3 **new species** Augusta, 13 April; Mt. Vernon, 27 April; Vienna, 2 May 4; Farmington, 28 April; Salem, 26 April 3, 8 May 2; Skowhegan, 21 April 15
- 7080 **spoliana** Clemens Hampton, N.H., 22 April 3, 26 April, 29 April, 18 May; Greenville, 12 July, 14 July, 19 July, 21 July, 27 July 2, 29 July; Salem, 26 April, moths from blueberry field 15
- 7082 **haraicana** Kearfott Eustis, 17 June; Farmington, 1 May; Winslow Mills, 27 March; Fayette, 27 June; Bar Harbor, 23 May; Tremont, 21 June 6

7084	<b>maracana</b> Kearfott	Bar Harbor, 17 May, 21 May, 10 July	3
7086	<b>costomaculana</b> Clemens	N. Parsonsfield, 11 May; Augusta, 3 June; Mt. Vernon, 2 June; Lincoln, 26 May	4
7087	<b>virginiana</b> Clemens	Hampton, N.H., 20 April, 3 May, 15 May, 20 May	4
7087.1	<b>mali</b> Freeman	Augusta, 9 April 2, 26 May; Camden, 30 April; Bar Harbor, 11 May	5

### Genus **GRETCHENA** Heinrich 1923

7088	<b>deludana</b> Clemens	Hampton, N.H., 6 April, 24 April, 29 April, 15 May 2; Durham, N.H., 5 June	6
7090	<b>watchungana</b> Kearfott	Hampton, N.H., 4 May 2, 11 May, 26 May	4
7092	<b>bolliana</b> Slingerland	Augusta, 30 July	1
7093	<b>amatana</b> Heinrich	Augusta, 1 July; Vassalboro, 6 June; Greenville, 8 July; Lincoln, 30 July; Mt. Desert, 18 May	5

### Genus **GRISELDA** Heinrich 1923

7097	<b>radicana</b> Walsingham	14 localities, 9 August–6 September	16
7097.1	<b>new species</b>	Augusta, 23 June, 13 July; Vassalboro, 14 June, 23 June; Mt. Vernon, 29 May; Dryden, 20 May; Kingfield, 30 July; Chesuncook, 12 July	8

### Genus **GWENDOLINA** Heinrich 1923

7100	<b>concitatricana</b> Heinrich	Augusta, 10 July	1
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### Genus **NORMA** Heinrich 1923

7102	<b>dietziana</b> Kearfott	Norway, 6 June; Augusta, 7 June 2; Bangor, 24 June; Alton, 28 June; Passadumkeag, 6 June; Lincoln, 26 July	7
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### Genus **KUNDRYA** Heinrich 1923

7103	<b>finitimana</b> Heinrich	Augusta, 8 May, 2 June 4, 16 June 2, 21 June, 4 July, 22 July 3; Sidney Bog, 15 July 2; Bar Harbor, 11 June, 12 June, 14 June, 26 June, 28 June 2, 30 June 4; Southwest Harbor, 12 June 5, 4 July, 6 July; Alton, 28 June 3; Passadumkeag, 25 June 3; Allagash, 7 July; Waldoboro, 24 August, larva in leaves of <i>Ilex verticillata</i> ; Kellyland, 4 August	40
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### Genus **HENDECANEURA** Walsingham 1900

7104	<b>shawiana</b> Kearfott	10 localities, 10 May–9 August	20
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**Genus RHOPOBOTA Lederer 1859**

- 7105 **naevana** Hübner, blackheaded fireworm Dennistown, 26 July; Augusta, 26 May 2; Lincoln, 10 July, 4 August, 5 August; T9R5, 7 August 7
- 7105.1 **vacciniana** Packard Lincoln, 6 July; T9R5, 7 August; Dennysville, 17 July 3

**Genus EPINOTIA Hübner 1826**

- 7106 **similana** Hübner Augusta, 6 March, 12 July, 19 August, 5 September, 18 September, 7 October; Farmington, 3 October; Lincoln, no date (Clayton); Bar Harbor, 2 September, 4 September, 7 September, 10 September 2, 17 September, 20 September, 22 September 2, 25 September; Mt. Desert, 7 September, 8 September, 12 September 2, 16 September, 20 September 24
- 7109 **solandriana** Linnaeus 30 localities, 3 June-27 August 114
- 7112 **medioviridana** Kearfott Jefferson, N.H., 7 September 1
- 7116 **madderana** Kearfott Lincoln, 7 July; T9R5, 18 July; T15R9, 8 July 2, 12 July 2, 17 July; T16R9, 2 August; St. Francis, 19 July; T18R12, 19 July, 20 July, 23 July 3, 25 July 2, 26 July 3, 31 July, 2 August; T18R13, 15 July 22
- 7117 **laracana** Kearfott Topsfield, 20 July 1
- 7118 **vertumnana** Zeller Dennistown, 6 June; Greenbush, 15 July; Kellyland, 6 June 3
- 7119 **zandana** Kearfott Augusta, 1 April 6, 9 April 2, 25 April 9
- 7120 **xandana** Kearfott Augusta, 8 April; Oakland, 22 May; Marion, 14 July 3
- 7128 **rectiplicana** Walsingham 14 localities, 9 June-9 August, T13R10 2 reared from birch 24
- 7130 **solicitana** Walker 30 localities, 1 May-26 August; Penobscot, 1 reared; Orono 1 reared ex birch; Bar Harbor, 3 reared ex grey birch 86
- 7131 **hamptonana** Kearfott Hampton, N.H., 17 July, 1 August, 5 August 3, 6 August (S.A. Shaw) Type locality; Oquossoc, 12 July; Dennistown, 9 July, 10 July; Jackman, 3 July; Bar Harbor, 29 July; Lincoln, 17 July; Princeton, 9 July 12
- 7132 **nisella** Clerck 19 localities, 17 May-16 August; Augusta, May 17, 1949, numerous about grey birch; S. China, May 14, abundant in grey birch 10-15 feet high 100
- form **criddleana** Kearfott 23 localities, May-August 39
- 7133 **albangulana** Walsingham Greenville, 23 July 1
- 7135 **transmissana** Walker 52 localities, 17 May-11 September; Georgetown, salt marsh 386

7137	<b>momonana</b> Kearfott	34 localities, 22 June-25 August	134
7149	<b>crenana</b> Hübner	15 localities, 30 May-27 September; Sebec Lake, 5 specimens in U.S.N.M.	36
7155	<b>unica</b> Heinrich	Georgetown, 18 August	1
7157	<b>timidella</b> Clemens	Scarboro, 16 June; Augusta, 3 June; Eustis, 17 July; Ashland, 17 July, 31 July; St. Francis, 7 September; Marion, 12 July; Jonesboro, 13 July	8
7158	<b>aceriella</b> Clemens, maple trumpet skeletonizer	29 localities, 1 May-13 September	96
7160	<b>normanana</b> Kearfott	15 localities, 17 June-24 August	27
7160.1	<b>balsameae</b> Freeman	Prov. Quebec	1
7161	<b>nanana</b> Treitschke	25 localities, 19 May-18 August; Springvale, 22 June, common; Augusta, 19 June, common	108
7163	<b>lomonana</b> Kearfott	Durham, N.H., 5 June	1
7165	<b>medioplagata</b> Walsingham	39 localities, 1 July-9 August; Orono, Fernald; Dennysville, 2 U.S.N.M., 1972, slide #16141	31
7167	<b>cruciana</b> Linnaeus	16 localities, 2 July-14 September	39
7167.1	<b>cockleana</b> Kearfott	Coburn Gore, 17 July; Monmouth, 4 July, 1915, C.A. Frost, det. Freeman	2
7167.2	<b>lepida</b> Heinrich	Mt. Washington	1
7168	<b>septemberana</b> Kearfott	Jackman, 7 May, 5 July; Augusta, 7 May, 11 June, 17 June 2, 21 June, 28 June, 6 July, 12 July, 20 July, 21 July, 9 September 2; Bar Harbor, 22 August, 23 August, 27 August 2, 23 September; Mt. Desert, 12 August; Southwest Harbor, 5 June, 4 September; Tremont, 13 September 4; Passadumkeag, 23 May, 6 October; Enfield, 18 September	29
7168.1	<b>new species</b>	Millinocket, 13 July	1
7172	<b>lindana</b> Fernald	Augusta, 14 June emerged, 14 July, 14 August; 23 August, 1 reared ex <i>Cornus</i> , 25 August, 1 reared, 29 August, 31 August 2, 6 October; Vassalboro, 17 September, 26 September; Farmington, 30 October; Chesuncook, 26 July; Carroll, 17 September 2; Bar Harbor, 30 August, 31 August 7, 1 September 2, 2 September, 3 September, 5 September, 18 September, 1 reared, 23 September, 6 October, 8 October	32

#### Genus ANCHYLOPERA Stephens 1829

7175	<b>nuberculana</b> Clemens	19 localities, 4 June-31 July	208
7176	<b>subaequana</b> Zeller	36 localities, 3 June-14 August	76

- 7176.2 *sheppardana* McDunnough Tim Pond, 2 June; Eustis, 17 June; Jackman, 7 July; Augusta, 6 June 4
- 7176.3 *sp.* near *subaequana* 21 localities, 6 June-31 July 25
- 7177 *lamiana* Clemens Maine is type locality; Brunswick, no date; Augusta, 4; Ashland; Grafton; Crystal; Southwest Harbor, all without dates 9
- 7178 *discigerana* Walker 24 localities, 3 June-22 July 116
- 7178.1 *metamelana* Walker 12 localities, 22 April-19 July; Bar Harbor, 1 bred from oak, 1 bred ex red oak; Jim Pond 4 bred 32
- 7180 *semiovana* Zeller Hampton, N.H., 1 no date; Oquossoc, 3 July 2
- 7181 *angulifasciana* Zeller 23 localities, 23 April-23 August; Bar Harbor, 14 May ex *Cornus* 88
- 7182 *maritima* Dyar Kennebunkport, 8-15 August, a series; Scarborough, 3 June; Popham Beach, 15 September; Boothbay, 15 August 4, 26 August; Baker Is., 17 June 2; Dennysville, larva collected 27 May, 1946, emerged 15 June 12+
- 7183 *spireaeifoliana* Clemens Hartford, 1 reared ex red oak, emerged April 14 1
- 7184 *burgessiana* Zeller 27 localities, 22 May-5 August; Bar Harbor, 3 bred ex oak, 1 bred ex cherry, 1 bred ex *Cornus* 58
- 7184.1 *pruni* Heinrich Chelsea, 4 June; Augusta, 30 May 2, 31 May, 6 June, 10 June 2, 12 June, 15 June 2, 16 June 2, 7 July; Gardiner, 4 June; Mt. Vernon, 4 June; Belgrade, 20 June; Bar Harbor, 1 emerged May; Saponac, 1 emerged 15 June; St. Francis, 7 July; Marion, 14 July 20
- 7184.2 *species* Bar Harbor, 5 May, 14 May, 22 May, all emerged 1942 ex *Corylus* 3
- 7185 *mira* Heinrich Gardiner, 4 June; Augusta, 31 May, 6 June 2, 10 June 3, 12 June, 15 June; Saponac, 15 June, det. Freeman 10
- 7186 *furvescens* Heinrich Augusta, 11 June, 12 June, 16 June 6; Jackman, 14 June 9
- 7187 *laciniana* Zeller 16 localities, 6 May-23 July 33
- 7188 *fuscociliana* Clemens Oquossoc, 30 June; Mt. Vernon, 19 June; Vassalboro, 7 June; Augusta, 13 June, 16 June 2; Etna, 18 June; Passadumkeag, 14 June 8
- 7188.1 *dubiana* Clemens Hampton, N.H., 3, no date 3
- 7189 *platanana* Clemens Cape Elizabeth, 7 June 2
- 7190 *pulchellana* Clemens Sidney Bog, 15 July; Augusta, 30 June 2; Bar Harbor, 18 June; Passadumkeag, 13 June, 16 June 3 8
- 7190.1 *rhodorana* McDunnough Augusta, 30 June; Southwest Harbor, 4 July; Passadumkeag, 11 June, 15 June; Lincoln, 16 June 5



**Genus ANCYLIS Hübner 1826**

7193	<b>comptana</b> Frölich	22 localities, 19 May–17 August	42
7193.1	<b>floridana</b> Zeller	21 localities, 15 May–3 August; Topsham, 31 May, common about bayberry and blueberry	51
7194	<b>divisana</b> Walker	Augusta, 18 June; Lincoln, 5 July, 10 July 2, 14 July; T11R8, 19 July; Easton, 18 July 2	8
7195	<b>apicana</b> Walker	10 localities, 10 June–2 August	23
7196	<b>muricana</b> Walsingham	Sebec Lake, 1–4 July; Lincoln, 23 July; T13R12, 2 July 2; Eagle Lake, 5 June 2	6
7197	<b>carbonana</b> Heinrich	28 localities, 17 May–6 August	102
7198	<b>diminutana</b> Haworth	23 localities, 22 May–10 August	84
7199	<b>goodelliana</b> Fernald	Maine is type locality; 15 localities, 4 June–5 August	30
7201	<b>unguicella</b> Linnaeus	Berwick, 25 May 7 at bearberry; Cape Elizabeth, 7 June 5; E. Machias, 7 June 2, 10 July; Topsham, 31 May on bearberry	16
7203	<b>mediofasciana</b> Clemens	Maine is type locality; Scarborough, 31 May; Augusta, 26 May, many, 2 June; Sidney Bog, 31 May, many; Vassalboro, 6 June 3, twice as many seen; Bar Harbor, 17 May; Southwest Harbor, 25 May, many; Passadumkeag, 29 May 2, 5 June 10, 8 June 2	20+
7204	<b>torontana</b> Kearfott	Passadumkeag, 29 May	1
7205	<b>tineana</b> Hübner	28 localities, 24 May–2 August	108

**Genus DICHORAMPHA Guenée 1843**

7222	<b>simulana</b> Clemens	17 localities, 6 June–23 August	42
7222.1	<b>immaculata</b> McDunnough	13 localities, 6 June–16 August	26
7223	<b>bittana</b> Busck	Greenville, 13 July; Augusta, 7 August; Randolph, 9 July; Bar Harbor, 26 June, 8 August; Lincoln, 9 August; Millinocket, 29 July; Long A, 24 July; Ashland, 16 July, 24 July	10
7230	<b>dana</b> Kearfott	19 localities, 2 June–15 August	34

**Genus HEMIMENE Hübner 1826**

7236	<b>feliciana</b> Heinrich	Lincoln, 14 June	1
7237	<b>signifera</b> Heinrich	26 localities, 6 June–9 August; Lee, N.H., 1 emerged, 15 February	88
7238	<b>paula</b> Heinrich	Dennistown, 29 July; Greenville, 13 July; Eustis, 17 July; Bar Harbor, 28 July; Lincoln, 28 July	5
7238.1	<b>species</b> Reid	State Park (Georgetown), 25 July; Bar Harbor, 4 July, 29 July; Lincoln, 13 July, 24 July; Jackman, 28 June, 24 July	7

**Genus SEREDA Heinrich 1923**

- 7241 **lautana** Clemens Hampton, N.H., 16 April, 19 April, 22 April, 23 April  
3, 6 May; Popham, 14 June; Augusta, 17 May; Bar Harbor, 1 May 2,  
2 May, 4 May, 13 May, 16 May, 19 May 17

**Genus GRAPHOLITHA Treitschke 1829**

- 7242 **molesta** Busck, oriental fruit moth Hampton, N.H., 7 June, 15 June;  
Augusta, 9 June; Greenville, 17 June 4
- 7243? **libertina** Heinrich Augusta, 29 August; Acadia Mt., Mt. Desert Is., 31  
August 2 3
- 7244 **packardi** Zeller, cherry fruitworm 20 localities, 6 June-9 August 60
- 7245 **prunivora** Walsh, lesser appleworm Augusta, 15 May, 1 emerged, 18  
June, 23 June, 24 June, 26 June, 28 June, 2 July, 7 July 3, 28 July, 20  
August, 22 August, 4 September, 19 September; Jefferson, 13 August;  
Bar Harbor, 15 August; Canaan, 10 July 18
- 7246 **angleseana** Kearfott Augusta, 15 June 1
- 7249 **fana** Kearfott Augusta, 10 July 2; Old town, 24 June; Enfield, 23 June;  
Eustis, 22 July 5
- 7251 **imitativa** Heinrich Eastern Outlet Moosehead Lake, 27 July; Oquossoc,  
15 July 2
- 7253 **eclipsana** Zeller Vassalboro, 10 June, 18 July; Lincoln, 16 July; Shin  
Pond (Patten), 5 July 4
- 7254 **interstinctana** Clemens, clover head caterpillar 12 localities, 23 May-  
23 August 42

**Genus LASPEYRESIA Hübner 1826**

- 7263 **rana** Forbes Nova Scotia, 15 July, 21 July; Mt. Lyall, Que., 3500 ft.,  
June; Klondike Basin, Mt. Katahdin, July 4
- 7273 **albimaculana** Fernald Orono, type locality
- 7275 **populana** Busck 16 localities, 2 July-11 August 143
- 7276 **youngana** Kearfott, spruce seed moth Orono, 21 July 2 2
- 7277 **nigricana** Stephens, pea moth Dennistown, 5 August; Eustis, 16 July 4,  
23 July 2, 25 July; Tramway, 25 July 2; Hope, 2 July, 18 July, 21 July;  
Allagash, 19 July 14
- 7289 **flexiloqua** Heinrich Chesuncook, 9 July; Lincoln, 29 July (det. W.E.  
Miller) 2

**Genus MELISSOPUS Riley 1881**

- 7300 *latiferreanus* Walsingham, filbertworm 24 localities, 19 June–5 September 56

**Genus CARPOCAPSA Treitschke 1830**

- 7301 *pomonella* Linnaeus, codling moth 18 localities, 13 June–26 August 150

**Genus ECDYTOLOPHA Zeller 1875**

- 7304 *insiticiana* Zeller, locust twig borer Farmington, 10 June, 18 June; Mt. Vernon, 24 June, 28 June; Augusta, 29 June, 12 July, 15 July; Lincoln, 23 June, 3 July, 5 July, 8 July, 10 July; Enfield, 21 August, ex galls in stems of *Robinia*, 5 July 2, 10 July 16

**Family TORTRICIDAE****Genus COELOSTATHMA Clemens 1869**

- 7307 *discopunctana* Clemens 31 localities, 26 June–8 August 347

**Genus HOMONA Walker 1863**

- 7310 *fervidana* Walker T18R12, 4 July 1

**Genus AMORBIA Clemens 1860**

- 7312 *cuneana* Walsingham Farmington, 19 July 1
- 7314 *humerosana* Clemens Scarborough, 21 May; Augusta, 2 May, 26 May, 12 June 2; Lincoln, 17 July; St. Francis, 28 June, 3 July; Edmunds, 2 July; Woodland, Washington Co., 10 July, 12 July; Kellyland, 5 July 2; Marion, 8 July, 11 July, 12 July, 14 July, 15 July 18

**Genus SPARGANOTHIS Hübner 1826**

- 7317 *pettitana* Robinson 34 localities, 23 June–21 August; Kenduskeag, 1 bred ex *Acer saccharum*; Bangor, 1 bred ex *Acer saccharum*, 1 bred ex *Tilia* 710
- 7317.1 *acerivorana* McKay 13 localities, 5 July–7 August 981
- 7320 *albicaudana* Busck 10 localities, 1 July–15 August 58
- 7323 *reticulatana* Clemens 38 localities, 3 July–30 August 247
- 7325 *diluticostana* Walsingham Reid State Park (Georgetown), 25 July; Augusta, 14 July; Farmington, 18 July; Dennistown, 29 July; Dover-Foxcroft, 14 July; Lincoln, 5 July, 10 July 2, 14 July 2, 16 July, 17 July 2, 18 July 2, 19 July, 21 July 2, 22 July 2, 23 July, 24 July 2, 25 July, 27 July, 28 July 3, 29 July, 30 July, 31 July, 1 August 2, 2 August 2, 3 August, 4 August 2, 5 August 3, 6 August 2; Marion, 9 July 45
- 7326 *directana* Walker Hampton, N.H., 6 August 1

7327	<i>testulana</i> Zeller	Kittery, no date	1
7327.1	<i>solidana</i> Freeman	Popham Beach, 5 August 12; Greenbush, 27 July 2, 2 August 2; Dennysville, 19 July	17
7328	<i>distincta</i> Walsingham	Knox Co., Isle au Haut, 16 July	1
7333	<i>irrorea</i> Robinson	25 localities, 28 June-16 August	303
7334	<i>xanthoides</i> Walker	36 localities, 25 June-17 August	416
7334a	<i>breviornatana</i> Clemens	24 localities, 7 July-9 August	462
7334.1	<i>species</i> Hampton, N.H.,	18 July; Popham Beach, 5 August 16; Isle au Haut, Knox Co., 18 July	18
7336	<i>violaceana</i> Robinson	14 localities, 29 May-5 July	29
7337	<i>unifasciana</i> Clemens	30 localities, 24 June-10 August	325
7349	<i>sulfureana</i> Clemens	31 localities, 4 July-4 October; Durham, Me., larva collected 11 August, emerged September	153
7351	<i>lycopodiana</i> Kearfott	24 localities, 24 June-30 August; Monmouth, 23 August, several flying about <i>Lycopodium clavatum</i>	107
7356	<i>tristriata</i> Kearfott	Sebago Lake, 15 August, 29 August; Limington, 11 July; Hope, 30 August; Augusta, 16 July, 13 August; Kingfield, 30 July; Lincoln, 14 July, 22 July, 30 July, 6 August	11
7356.1	<i>species</i> Jackman,	10 July; Lincoln, 16 July, 28 July; T9R5, 9 July	4

#### Genus **PLATYNOTA** Clemens 1860

7357	<i>flavedana</i> Clemens	Hampton, N.H., 13 June; Lincoln, 18 July, 22 July, 26 July, 31 July, 1 August, 2 August, 6 August	8
7359	<i>semiustana</i> Walsingham	Millinocket, 5 August 2; T9R5, 28 July; T18R12, 28 July; Marion, 12 July, 25 July 2	7
7368	<i>exasperatana</i> Zeller,	30 localities, 8 June-18 August; Mt. Katahdin, 18 July 1 at 4000 ft.	365
7369	<i>idaeusalis</i> Walker	53 localities, 6 June-8 August	634

#### Genus **PANDEMIS** Hübner 1826

7370	<i>canadana</i> Kearfott	49 localities, 6 July-13 August	929
7373	<i>limitata</i> Robinson, threelined leafroller	29 localities, 5 July-20 August	451
7374	<i>lamprosana</i> Robinson	28 localities, 3 July-23 August; Greenville, 9 July, 1 bred ex fir	167

#### Genus **ARCHIPS** Hübner 1806

7377	<i>dissitana</i> Grote	34 localities, 22 June-28 August; Patten, 1 emerged July	258
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7378	<b>persicana</b> Fitch	36 localities, 6 June-12 August	856
7379	<b>infumatana</b> Zeller	Sebago Lake, 1 August; Hollis, 16 June; Kingfield, 24 July; Farmington, no date; Augusta, 28 June 2, 2 July; Lincoln, 11 July; Dennistown 11 August	9
7381	<b>obsoletana</b> Walker	13 localities, 11 June-9 August	22
7383	<b>fervidana</b> Clemens, oak webworm	14 localities, 16 June-1 September; Cherryfield, 22 August 1 emerged	24
7384	<b>cerasivorana</b> Fitch, uglynest caterpillar	19 localities, 2 July-18 August	321
7388	<b>argyrospila</b> Walker, fruittree leafroller	16 localities, 8 July-14 August	57
7389	<b>mortuana</b> Kearfott	34 localities, 5 May-5 August	279
7391	<b>myricana</b> McDunnough	19 localities, 16 June-8 August	638
7393	<b>semiferana</b> Walker, oak leafroller	Oquossoc, 5 July 2; Farmington, 28 June 2; Squaw Brook (Greenville), 11 July; Long A, 7 July; T9R5, 14 July	7
7396	<b>fractivittana</b> Clemens	33 localities, 6 June-22 July	162
7397	<b>melaleucana</b> Walker	37 localities, 3 June-29 July	358
7398	<b>rosana</b> Linnaeus	Hampton, N.H., 2 July, 5 July, 22 July; Exeter, N.H., 16 June	4
7399	<b>purpurana</b> Clemens	40 localities, 5 June-26 August; Hermon Center, 14 July 1 on <i>Allium</i> ; Brewer, 5 June on <i>Prunus serotina</i>	424
7401	<b>parallela</b> Robinson	15 localities, 16 June-15 August; Mt. Chase, 21 June 1 ex flowering almond	98
7402	<b>zapulata</b> Robinson	Fryeburg, 21 July; Somerset Co. 1 beaten from fir; Mt. Vernon, 5 July; Augusta, 10 July; Southwest Harbor, 25 July; T9R5, 14 July; T11R8, 10 July	7
7405	<b>rosaceana</b> Harris, obliquebanded leafroller	40 localities, 12 June-8 October	1620
7406	<b>striana</b> Fernald	35 localities, 16 June-14 August	245
7407	<b>conflictana</b> Walker, large aspen tortrix	28 localities, 1 June-29 July	330
7408	<b>fumiferana</b> Clemens, spruce budworm	33 localities, 2 June-15 August	1194
7408.1	<b>pinus</b> Freeman, jack pine budworm	12 localities, 27 June-1 August	14

#### Genus **TORTRIX** Linnaeus 1758

7410	<b>pallorana</b> Robinson	Hampton, N.H., 27 June	1
7411	<b>clemensiana</b> Fernald	29 localities, 20 June-21 August	327
	var. <b>nervosana</b> Kearfott	Greenbush, 27 July; Holeb, 19 July; Buffalo, 9 July; T9R5, 11 July	4

7414	<b>alleniana</b> Fernald	42 localities, 30 June–25 August; Vassalboro, 3 July 2 flushed on open bog, midday; Bangor, 6 July 1 on spiraea	269
7418	<b>packardiana</b> Fernald	30 localities, 10 June–18 August; Peaks Is., Casco Bay, Cumberland Co., Type, ex fir; Augusta, 9 July 1 ex fir	114
7418.1	<b>borealis</b> Freeman ( <b>PARAPANDEMIS</b> Obraztsov 1955)	Eagle Lake, 26 June; T15R9, 15 July, 19 July, 23 July 2; T18R12, 14 July; Oquossoc, 17 July; Type locality, Ontario, Paratype, New Brunswick	7
7418.2	<b>morrisana</b> Mutuura ( <b>ARCHEPANDEMIS</b> Mutuura 1978)	Green River, N.B., 24 July 3, ex fir	3
7420	<b>peritana</b> Clemens	37 localities, 20 June–28 September	409
7423	<b>virescana</b> Clemens	33 localities, 7 June–15 August	483
7424	<b>glaucana</b> Walsingham	Sebec Lake, 26 June (McDunnough); Oquossoc, 15 July, 4 August; Lincoln, 5 July; Millinocket, 17 July; T11R8, 8 July; T18R8, 19 July, 25 July 3	10
7437	<b>moeschleriana</b> Wocke	Mt. Katahdin, 8 July 18, 9 July 7, 11 July 4, 13 July 4, 17 July 7, 18 July 4, 19 July 2, 20 July 4, 21 July 10, 23 July 7, 24 July 10, 29 July	78
7438	<b>grisea</b> Robinson	Augusta, 24 July	1
7439	<b>afflictana</b> Walker	13 localities, 16 May–15 July; Mariaville, larva beaten ex fir, 9 June	161
7440	<b>alberta</b> McDunnough	11 localities, 11 June–21 August	19

### Genus *EULIA* Hübner 1826

7442	<b>ministrana</b> Linnaeus	42 localities, 12 May–24 July; York Co. 1 August	111
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### Genus *ARGYROTAENIA* Stephens 1852

7443	<b>velutinana</b> Walker, redbanded leafroller	12 localities, 6 May–11 August; Augusta, 28 April and 1 May flying in daytime	65
7443.1	<b>repertana</b> Freeman	Squaw Brook (Greenville) 7 July; Augusta, 6 May, 16 May 2, 17 May 2, 30 May, 12 June, also 30 May 1 and 2 June 3 Type lot, 8 June; Orono, no date 4; Enfield, 6 May; Lincoln, 26 May, 10 June; Guerette, 18 June; Topsfield, 22 June; Dennysville, 6 June 4; Millinocket, 27 July, 19 July 2, 30 July, 3 August 2, 5 August 3, 7 Au- gust, Reared ex <i>Aralia</i>	36
7444	<b>lutosana</b> Clemens	Oquossoc, 10 July; T17R5, 19 July 2; Dickey, 7 July; Tim Pond, 12 July	6
7444.1	<b>occultana</b> Freeman	12 localities, 27 May–15 July; Augusta, 1 September 1942, emerged	33
7445	<b>pinatubana</b> Kearfott, pine tube moth	17 localities, 11 May–1 August	47

7445.1	<b>tabulana</b> Freeman	Dennistown, 9 July; Passadumkeag, 23 May	2
7450	<b>mariana</b> Fernald,	graybanded leafroller 14 localities, 8 May–12 July	35
7451	<b>alisellana</b> Robinson	11 localities, 2 June–23 August	31
7452	<b>quercifoliata</b> Fitch	Portland, 3 July, 4 July 3, 5 July 3; N. Bridgton, 3 July 4; Augusta, leaf-tyer on oak, emerged 23 May; Lincoln, 7 July, 12 July	14
7453	<b>quadrifasciana</b> Fernald	74 localities, 4 June–2 August	741
7454	<b>juglandana</b> Fernald,	hickory leafroller Hampton, N.H., 4 August	1

### Genus **TORTRICODES** Guenée

7456	<b>fragariana</b> Busck	Georgetown, 24 August; Vassalboro, 18 May, 19 May 2, 27 May 2, 7 June 2, 14 June 3; Bar Harbor, 25 August, 2 September; Mt. Desert, 12 September	14
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### Genus **CNEPHASIA** Curtis 1826

7458	<b>osseana niveosana</b> Packard	30 localities, 1 July–6 August	802
7459	<b>argentana</b> Clerck	Dennistown, 8 July; Chesuncook, 11 July; Clayton Lake, 12 July, 14 July; T9R5, 14 July, 16 July 4; T15R13, 23 July 3; T18R12, 23 July; St. Francis, 6 July 4, 7 July 3, 8 July, 9 July 4, 12 July 9, 13 July, 14 July, 16 July 2, 17 July 2, 18 July, 20 July, 21 July, 24 July 4, 28 July 4, 29 July 2, 30 July, 31 July, 2 August	56
7462	<b>ednana</b> Kearfott ( <b>ANOPINA</b> Obraztsov 1962)	25 localities, 4 May–29 August	149
7466	<b>oleraceana</b> Gibson	13 localities, 16 May–10 August	240
7466.2	<b>vigaureana</b> Treitschke	Dennysville, 16 July 2	2

### Genus **ARGYROTOXA** Stephens

7468	<b>bergmanniana</b> Linnaeus	Lincoln, 21 July	1
7469	<b>albicomana</b> Clemens	Gardiner, July; Augusta, 16 July, 17 July, 18 July, 21 July, 24 July; Oquossoc, 13 July, 21 July, 22 July; Bar Harbor, 13 July, 18 July; Lincoln, 6 July, 7 July, 17 July, 19 July; Ashland, 14 July, 19 July; T18R13, 25 July; Dennysville, 8 July, 13 July 2, 3 August; Alexander, 27 July, 7 August	24
7469.1	<b>forskaleana</b> Linnaeus	Portland, 13 July	1
7470	<b>semipurpurana</b> Kearfott,	oak leaf-tier 12 localities, 18 June–14 October	37
	var. <b>designata</b> Obraztsov	17 localities, 30 June–8 August	50
7471	<b>curvalana</b> Kearfott	20 localities, 18 June–18 August	57

**Genus PERONEA Curtis 1824 (ACLERIS Hübner 1825)**

- 7473 **maccana** Treitschke (**fishiana** Fernald) Orono, 17 September, 1879, 1, U.S.N.M., 1 October, 2 October; Camp Colby, 9 July; Mt. Katahdin, 13 October 2; Bar Harbor, 23 September; Kellyland, 30 August 8
- 7474 **ptychogrammos** Zeller Durham, N.H., 31 October; Lincoln, 5 July, 6 August 3
- 7475 **nigrolinea** Robinson Bar Harbor, 15 August; Mt. Desert, 15 August, 6 September; Hancock, 24 November; Farmington, 28 April, 31 May 6
- 7477 **caliginosana** Walker 12 localities, 3 March-29 November 23
- 7477.1 **mcdunnoughi** Obraztsov Augusta, 23 April, 11 September; Enfield, 11 October 2; Lincoln, 19 September, 15 October; Long A, 7 July; Millinocket, 20 August; Indian Town, 16 September 9
- 7478 **latifasciana** Haworth 10 localities, 9 July-22 October 17
- 7479 **schalleriana** Linnaeus Norway, 21 October 3; Bar Harbor, 15 October; Passadumkeag, 23 May; Long A, 3 August; Masardis, 10 July; Indian Town, 16 September 8
- 7479a **viburnana** Clemens Augusta, 8 October; Strong, 2 October; Winter Harbor, 23 September 3
- 7480 **oxycoccana** Packard 14 localities, 26 April-6 November 65
- 7481 **variana** Fernald, eastern blackheaded budworm 48 localities, 26 June-22 September 155
- var. **angusana** Fernald 15 localities, 20 June-20 September 16
- 7482 **chalybeana** Fernald 10 localities, 4 May-7 November 11
- 7484 **hastiana** Linnaeus Devil's Den Mt. (Porter), 11 May, 21 May; Augusta, 28 November; Bar Harbor, 21 April, 4 October; Ellsworth, no date 6
- 7485 **celiana** Robinson 18 localities, 14 April-26 November; Mt. Desert, 21 September, ♀ leaf-roller on white birch, slide A.E.B. 26
- form **albilineana** Kearfott, spruce needleminer Norway, 2 October; Farmington, 31 May; Mt. Vernon, 20 April; Ellsworth, 22 November; Bar Harbor, 20 April, 3 May, 8 May, 7 November, 17 November; Lincoln, 14 October, 21 February 11
- 7489.1 **permutana** Duponchel Orono, 6 September, in house on window 1
- 7490 **robinsoniana** Forbes 11 localities, 22 April-26 October 16
- 7491 **flavivittana** Clemens Augusta, 4 September; Vassalboro, 12 September; Manset, 1 October; Ellsworth, 8 November; Somesville, 20 November 2; Bar Harbor, 7 November; Baring, 7 November; Machias, 5 November 9



7491.1	<b>perspicuana</b> Robinson	Hampton, N.H., 27 October; Jefferson, N.H., 11 May	2
7492	<b>youngana</b> McDunnough	Durham, N.H., 10 October, 26 October, 2 November; Augusta, 29 October; Farmington, 28 April; Eustis, 26 October	6
7494	<b>fragariana</b> Kearfott	10 localities, 13 July-8 October	40
7495	<b>inana</b> Robinson	Dennistown, 19 August; Augusta, 10 September, 11 September; Mt. Desert, 9 September; Bar Harbor, 17 September	5
7496	<b>busckana</b> McDunnough	21 localities, 22 April-29 November	29
7497	<b>maculidorsana</b> Clemens	19 localities, 1 May-29 November	50
7500	<b>hudsoniana</b> Walker	Norway, 4 October; Enfield, 18 September; Aurora, 5 November; Bar Harbor, 20 April, 29 April, 11 October, 1 emerged, 30 October, 6 November, 7 November 2; Dennysville, 1 November; Jonesport, 4 November	12
7500.1	<b>implexana</b> Walker	Bar Harbor, 7 November; Dennysville, 24 November	2
7501	<b>bowmanana</b> McDunnough	12 Localities, 16 April-20 November	17
7502	<b>minuta</b> Robinson, yellowheaded fireworm	22 localities, 26 April-12 November	46
7503	<b>logiana</b> Linnaeus	Camden, 27 April; Unity, 27 September; Bethel, 24 October; Strong, 23 October 10, 24 October 3, 1 November; Mt. Katahdin, 3 October; Bar Harbor, 12 September 2, 11 October	21
	form <b>tresignata</b> Robinson	Augusta, 13 October; Jefferson, 21 October; Warren, 8 November; Strong, 24 October 2; Bar Harbor, 30 September	6
7503.1	<b>niveana</b> Fabricius	Strong, 20 October 4; Bar Harbor, 29 September	5
7504	<b>nivisellana</b> Walsingham	10 localities, 2 April-3 November	31
7505	<b>cervinana</b> Fernald	Upton, 2 June; Sangerville, 28 October; Lincoln, 12 July	3
	form <b>americana</b> Fernald	Jefferson, N.H., 30 March; Hampton, N.H., 28 March, 28 May, 9 July, 30 October 2; Northeast Harbor, 20 September, 1 leaf-folder on yellow birch; Passadumkeag, 6 October	8
7506	<b>comandrana</b> Fernald	Coburn Gore, 5 July; Eustis, 15 July; Amherst, 4 November; Passadumkeag, 6 October; T9R5, 14 July, 19 July; De Boulie Mt., 13 July; T18R12, 4 July; St. Francis, 4 July	9
7507	<b>subnivana</b> Walker	Strong, 23 October; Augusta, 23 April; Bowerbank, 18 October; Bradley, 18 August; Bar Harbor, 10 September; Mt. Katahdin, 1100 ft., 3 September; Eagle Lake, 5 June; St. Francis, 22 July; Marion, 15 July, 18 July	10
7508	<b>braunana</b> McDunnough	25 localities, 8 April-12 December	32

- 7508.1 **sp. near braunana** Oquossoc, 11 June; Dallas, 21 October; Augusta, 28 August, 29 September; Passadumkeag, 6 October 2 6
- 7509 **kearfottana** McDunnough Norway, 21 October 2; Augusta, 10 July, 12 July, 25 October, 17 November; Bar Harbor, 17 July, 7 November; Passadumkeag, 6 October 9
- 7511 **forbesana** McDunnough 11 localities, 28 June-24 November; Bingham, 11 November 1 at black light
- 7512 **fuscana** Barnes & Busck Lee, N.H., 21 April, 25 October; Wilson's Mills, 31 May; Bar Harbor, 10 October; Mt. Katahdin, 1100 ft., 13 October 5
- 7513 **ferrugana** Dennis & Schiffermuller Eustis, 26 October; Freeman, 22 October; Pittston Farm, 15 July; Augusta, 8 October; Orono, 15 September 2; Lincoln, 12 July, 14 July; Kellyland, 11 July; Marion, 12 July 10
- 7514 **semiannula** Robinson 30 localities, 30 April-17 November 318
- 7515 **gallicolana** Clemens 19 localities, 23 April-24 October 31  
form **heindelana** Fernald Hartford, 26 October; Orono, 18 September 3; Enfield, 12 November; Bar Harbor, 24 March. Bred ex galls of *Rhabdophaga rhodoides* on *Salix humilis*, Toronto, September 1913 6
- 7516 **cornana** McDunnough 23 localities, 2 March-2 November 36
- 7518.1 **negundana** Busck Lincoln, 7 July 2, 8 July, 12 July 2, 22 July 2, 24 July 2 9
- 7518.2 **negusana** McDunnough Eustis, 21 July; Lincoln, 5 July, 7 July, 8 July, 10 July, 12 July, 17 July 2, 27 July 3, 28 July, 29 July; Patten, 30 July; T9R5, 18 July, 20 July; T11R8, 20 July, 30 July; De Boulie Mt., 15 July 19
- 7518.3 **comariana** Zeller 11 October 1904, 18 October 1905 (S.A. Shaw, U.S.N.M. 19 April, 1977) 2

## Family PHALONIIDAE (AGAPETIIDAE Hübner 1825)

### Genus PHALONIA Hübner 1826

- 7520 **atomosana** Busck 11 localities, 17 July-20 September 17
- 7521 **spartinana** Barnes & McDunnough Southwest Harbor, 25 July 3; Dennysville, 23 July 2 5
- 7522 **hospes** Walsingham Lincoln, 19 August 1
- 7524 **zaracana** Kearfott Greenville, 5 July; Lincoln, 14 July, 21 August; Ashland, 15 July 4
- 7526 **plummeriana** Busck Augusta, 2 July 1
- 7528 **smeathmanniana** Fabricius 21 localities, 10 June-15 August 103
- 7530 **deutschiana** Zetterstedt Eustis, 17 July; Sebago Lake, 5 August 2

7536	<b>rutilana</b> Hübner	Orrs Is., Cumberland Co., 9 July 4, webbing prostrate juniper; Waldoboro, 23 June 2, 29 June 2, ex <i>Juniperus communis</i> ; Dennysville, 21 July; Mt. Desert, 21 July; Augusta, 29 June	11
7539	<b>dorsimaculana</b> Robinson ( <b>angustana</b> Clemens)	Jackman, 26 July, det. by Clarke, genitalia slide; Lincoln, no date (Clayton)	2
7540	<b>promptana</b> Robinson	Augusta, 8 August; Tramway, 25 July	2
7542	<b>angulatana</b> Robinson	51 localities, 16 June–21 September	199
7545	<b>argenticimitana</b> Robinson	17 localities, 6 June–25 August	44
7551	<b>sublepidana</b> Kearfott	Bar Harbor, 20 July, 21 July, 30 July, 30 August; Lincoln, 23 July	5
7552	<b>biscana</b> Kearfott	38 localities, 7 July–4 September	569
7552.1	<b>giscana</b> Kearfott	Dennistown, 22 August 3, 26 August 3, 28 August 2, 31 August 3; Augusta, 10 August; Bar Harbor, 18 July, 12 August; Lincoln, 26 August; Millinocket, 26 July; T6R7, 3 August; Dennysville, 6 August; Seboomook, 11 August	19
7553	<b>maiana</b> Kearfott	27 localities, 3 July–2 August	50
7555	<b>voxcana</b> Kearfott	27 localities, 5 June–17 August; T8R19, 17 July, det. Clarke	66
7556	<b>interruptofasciana</b> Robinson	Caratunk, 2 July	1
7558	<b>bunteana</b> Robinson	Allagash, 14 July 2; Lincoln, 21 July 2; Kellyland, 19 July; Dennysville, 26 July, 27 July, 3 August; Marion, 3 August	9
7561	<b>aurorana</b> Kearfott	Augusta, 12 August, 27 August, 30 August 2	4
7562	<b>marloffiana</b> Busck	24 localities, 14 June–26 August	90
	<b>sp. near marloffiana</b>	Boothbay Harbor, 27 July; Greenville, 13 July; Mt. Vernon, 10 July; Augusta, 20 August; Lincoln, 13 July, 29 July; Dennysville, 3 August	7
7563	<b>toxcana</b> Kearfott	Boothbay, 15 August; Bar Harbor, 18 July; Southwest Harbor, 21 July	3
7565	<b>punctadiscana</b> Kearfott	Bar Harbor, 14 August; Lincoln, 12 July, 14 July; Allagash, 6 July	4
	<b>sp. near punctadiscana</b>	10 localities, 30 May–30 August	11
7567	<b>oenotherana</b> Riley	Hampton, N.H., 23 May; Vassalboro, 12 June; Topsfield, 10 July	3
7575.1	<b>dubitana</b> Hübner	Augusta, 2 August; Dennistown, 10 July; Chesuncook, 20 July; Lincoln, 1 August; T15R12, 10 July; Allagash, 20 July; T18R12, 23 July; Ashland, 2 August; Topsfield, 3 June	9
7581	<b>temerana</b> Busck	12 localities, 19 May–15 August	24

7583	<b>foxcana</b> Kearfott	Bangor, 20 June 6; Lincoln, 4 July; Crystal, 6 June; Mt. Katahdin, 25 July	9
7584	<b>albidana</b> Walker	20 localities, 5 June-27 July	53
7584.1	<b>winniana</b> Kearfott	Greenville, 18 July, 25 July; Bar Harbor, 5 July, 9 July; Southwest Harbor, 12 June 2; Skowhegan, 24 June; Enfield, 26 August; Lincoln, 1 July; Millinocket, 13 July; Chesuncook, 18 July	11
7592	<b>basiochreana</b> Kearfott	Augusta, 29 June	1

### Genus AETHES Bilberg 1820

7602.1	<b>sp.</b>	Greenville, 20 July; Allagash, 21 July; Dennysville, 3 August	3
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### Genus PHARMACIS Hübner 1823

7608	<b>vitellinana</b> Zeller	13 localities, 15 June-26 July	49
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### Genus HYSTEROSIA Stephens 1852

7610	<b>fulviplacana</b> Walsingham	31 localities, 6 June-27 July	113
7613	<b>waracana</b> Kearfott	Dennistown, 18 July; Eustis, 10 July, 23 July; Chesuncook, 18 July; Pittston Farm, 7 July 6, 8 July 3; Greenville, 20 July; T9R5, 9 July, 11 July 6, 14 July, 24 July, 25 July; Ashland, 2 July; Ft. Kent, 9 July	26
7614	<b>villana</b> Busck	Augusta, 23 June; Jackman, 3 July; Millinocket, 28 June, 18 July; Shin Pond, 2 July; T9R5, 14 July, 15 July 2; Allagash, 2 August; Woodland, Aroostook Co., 16 July, 18 July; Kellyland, 15 July; Dennysville, 27 July, 8 August	14
7615	<b>cartwrightana</b> Kearfott	13 localities, 14 June-5 November	24
7616.1	<b>merrickana</b> Kearfott	Mt. Desert Is., specimen without date (Fernald), reference: Can. Ent. 39:55 1909 W.D. Kearfott	1
7619	<b>riscana</b> Kearfott	12 localities, 6 July-9 July	15
7621	<b>baracana</b> Busck	40 localities, 22 June-26 August	291
7622	<b>modestana</b> Busck	Augusta, 13 June, 17 June, 23 June, 28 June 2, 2 July; Unity, 8 July; Tim Pond, 13 July; Lincoln, 3 June, 9 July; Ashland, 27 July; Allagash, 18 July	12
	<b>sp. 1</b>	Durham, N.H., 19 June; Dennistown, 28 July	2
	<b>sp. 2 det.</b> Clarke	Jackman, 11 July; Seboomook, 18 July; T2R4, 12 July; T8R13, 5 July	4

**Family CARPOSINIDAE****Genus BONDIA Newman 1856**

- 7624 **crescentella** Walsingham Tim Pond, 5 July; Bar Harbor, 3 May, 17 May  
3, 29 May; Bradley, 1 June, 1 seen on tree trunk; Lincoln, 11 July;  
T18R12, 2 July; St. Francis, 4 July; Topsfield, 2 July; Dennysville, 9  
July; Marion, 8 July, 15 July 13

**Genus CARPOSINA Herrich-Shaeffer 1855**

- 7625 **ottawana** Kearfott Greenville, 2 July; Lincoln, 5 July, 8 July 2, 9 July,  
10 July, 11 July, 13 July, 15 July, 21 July; T9R5, 11 July, 18 July 12
- 7628 **comonana** Kearfott 14 localities, 19 May–3 August 95

**Family COSSIDAE****Genus ZEUZERA Latreille 1804**

- 7648 **pyrina** Linnaeus, leopard moth Hampton, N.H., 26 June; Eliot, no  
date; Kennebunkport, no date, fide R. Umberger 3

**Genus ACOSSUS Dyar 1905**

- 7666 **centerensis** Lintner 19 localities, 4 July–24 September 47
- 7667 **populi** Walker Chesuncook, 8 July, 13 July, 16 July 2, 19 July 3, 27  
July; Oxbow, 8 July, 23 July; Patten, 10 July; Masardis, 10 July, 27  
July, 30 July; Allagash, 10 July; Guerette, 8 July, 12 July, 14 July;  
T9R5, 6 July, 9 July 2, 17 July 22
- 7667b **orc** Strecker Oxbow, 22 July; T9R5, 9 July 2, 17 July; Masardis, 10 July;  
Shin Pond, 9 July; T13R12, 12 July; T16R13, 16 July 8
- 7668 **undosus** Lintner Tremont, 19 July; Eustis, 18 July, 21 July; Oxbow, 23  
July; Masardis, 5 July 2, 21 July; T17R11, 27 July; T19R11, 11 July;  
St. Francis, 14 July; T8R13, 9 July 11

**Genus PRIONOXYSTUS Grote 1882**

- 7670 **robiniae** Peck, carpenterworm Norway, 5 July 2; Dedham, 20 July; Au-  
gusta, 19 June, 19 July; Chesuncook, 16 July 2; T8R13, 11 July; Shin  
Pond, 9 July; Oxbow, 22 July 2; T15R9, 16 July; Kellyland, 6 July, 11  
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