

Curatorial Report Number 5

Sphinx Moths in the Nova Scotia Museum Collection

(Lepidoptera: Sphingidae)

By Barry Wright and Ken Neil
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Nova Scotia Museum
1747 Summer Street
Halifax Nova Scotia Canada

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INTRODUCTION

Sphinx moths are large, streamlined, fast flying moths, many of which are active around flowers at dusk. Some species are day fliers and a few are most active at night. The caterpillars are usually green with oblique stripes on the sides and have a small horn-like tail.

The sphingid collection comprises 1,174 specimens representing 97 species, 26 of which are found in Nova Scotia. 80% of the specimens are spread and housed in glass topped drawers in Lane cabinets, the remaining 20% are pinned and stored in Schmidt boxes.

The Lepidoptera collection is one of the major collections of its kind in Canada, possibly being second only to the Canadian National Collection in Ottawa. It is particularly strong in Microlepidoptera, but has fair representation in the Macrolepidoptera. Larger species such as the sphingids are not well represented due primarily to their bulk and the limited storage space available. Although many sections of the Lepidoptera collection have been the subject of taxonomic research the sphingids have not. This is probably due to there being no species or subspecies in this family which are confined to this province or region. Seven species are southern and occasionally stray north to Nova Scotia. Two species are northern and although they probably breed here are rarely collected. The remaining

seventeen species are widely distributed in North America.

Since the publication of the sphingid fascicle of "The Moths of America north of Mexico" in January 1971, the collection has been reorganized and a catalog prepared by Ken Neil. This report is based on that catalog.

REFERENCES

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Part I. Nova Scotia Museum
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pages, 16 plates.

Hodges, R. W., 1971.
The Moths of America north of
Mexico, Fascicle 21, Sphingoidea.
158 pages, 15 plates. E. W.
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Order LEPIDOPTERA

Family Sphingidae

Subfamily SPHINGINAE

Agrius cingulatus (Fabricius)

LUNENBURG COUNTY

Chester: 24 IX 1968

HALIFAX COUNTY

Halifax: - X 1944, 24 X 1956

Cow Bay: 19 X 1952

ARIZONA

Madera Canyon, Santa Rita Mtns.: 20 VIII to 5 IX 1957

FLORIDA

Coral Gables: 4 II 1946

Cocytius duponchel (Poey)

CUBA

San Vincente, Pinar del Rio: 12 XI 1959

VENEZUELA

La Victoria: - I 1962

PERU

Tingo Marie: no date

Manduca sexta (Linnaeus)

ARIZONA

Phoenix: 20 VIII 1956

Mayer: 30 VII 1959

Black Canyon: 14 XI 1959

New River: 21 XI 1959

CALIFORNIA

Cloverdale: 26 VI 1952, 29 V 1954
6-27 VI 1955

MISSOURI

Norborne: 24 VI 1943

Manduca quinquemaculata (Haworth)

HALIFAX COUNTY

Halifax: 9 VIII 1949

ONTARIO

Kitchener: 26 VII 1942

ARIZONA

Phoenix: 20 VII 1956

Mayer: 11 V 1960

IOWA

LaClair: 7-10 IX 1946

PENNSYLVANIA

 Philadelphia: 28 V 1902

Manduca rustica (Fabricius)

ARIZONA

Sunnyside: 7-17 VII 1958

GEORGIA

Atlantia: 9 VII 1943

Madras: 16 VIII 1945, 17 VIII 1954

TEXAS

 Arlington: 1 VII 1969

Manduca albiplaga (Walker)

SOUTH AMERICA

 Locality unknown: 1 specimen, no data

Manduca muscosa (Rothschild and Jordan)

ARIZONA

 Ramsey Canyon, Huachuca Mountains: 22 VII 1965

Manduca florestan (Cramer)

ARIZONA

Sunnyside; W.side of Cochise Mtn.: 7-17 VII 1958

Ramsey Canyon, Huachuca Mountains: 29 VII 1965, 28 VIII 1965

Manduca jasminearum (Guerin)

PENNSYLVANIA

Reading: 12 VII 1958

Dolba hyloeus (Drury)

QUEBEC

Terrebonne High: 30 VII 1899

NEW JERSEY

Lakehurst: 2 VI 1920

Union County: no date

Orange County: 17 VII --

Dolbogone hartwegii (Butler)

MEXICO

Comala, Colima: 2 VII 1967

Ceratomia amyntor (Geyer)

ANNAPOLIS COUNTY

Bridgetown: 16 VI 1913, 14 VII 1945
15 VII 1945

KINGS COUNTY

Aylesford: 22 VII 1958, 20 VI 1963

Greenwood: 18 VI 1957

ONTARIO

London: no date

NEW HAMPSHIRE

Jefferson: 2 VII 1953

Ceratomia undulosa (Walker)

ANNAPOLIS COUNTY

Annapolis Royal: 6 VI 1946

KINGS COUNTY

Aylesford: 2 VII 1958, 8 VII 1958

QUEENS COUNTY

Lake Kejimkujik: 19 VI 1957, 12 VII 1958

LUNENBURG COUNTY

Petite Riviere: 4 IX 1953, 12 VII 1957

HALIFAX COUNTY

Armdale: about 1920
 Point Pleasant Park, Halifax: 10 VII 1909
 Bedford: 29 VI 1944
 MacNabs Island: 28 VII 1908
 Halifax: 13 VI 1968

HANTS COUNTY

Brooklyn: 20 VII 1970

ANTIGONISH COUNTY

Brierly Brook: 19 VI 1952

NEW BRUNSWICK

Jacquet River: 15 VII 1950
 Bathurst: 16 VII 1950

MAINE

Augusta: 12 VII 1959
 Portland: 9 VII 1969
 Lincoln: 26 V 1952

MASSACHUSETTS

Boston: 13 VII 1959

NEW HAMPSHIRE

Jefferson: 25 VII 1951

NEW YORK

Monroe County: 30 VI 1947

KENTUCKY

Georgetown: 19 VI 1969

Ceratonia catalpae (Boisduval)

GEORGIA

Augusta: 7 IX 1945
 Green Village: 10 I 1942

TEXAS

Texarkana: 21 VI 1969

Ceratomia hageni Grote

KANSAS

Ottawa: 17 IX 1949

MISSOURI

Norborne: 28 VIII 1943

TEXAS

Bonham: 2 V 1948

TENNESSEE

Huntersville: 16 VIII 1952

Isoparce cupressi (Boisduval)

LOUISIANA

Bayou Long: 15 XI 1937

Paratrea plebeja (Fabricius)

GEORGIA

Augusta: 22 IV 1944

Atlanta: 25 IV 1947

KENTUCKY

Georgetown: 19 VI 1969

Triptogon occidentalis

Locality unknown: 1 specimen, no date

Sphinx ligustri Linnaeus

ENGLAND

Stowting, Kent County: 29 VII 1962

GERMANY

Locality unknown: V 1948

Sphinx lugens Walker

GUATEMALA

Buleu, Mpio San Cristobal,
Verapaz, Alta Verapaz: 3 X 1966

Sphinx eremitus (Hubner)

MISSOURI

Norborne:

24 VI 1943, 28 VI 1943,
9 VII 1943, 9 VIII 1943

VIRGINIA

Campbell:

21 VII 1912

Sphinx eremitoides Strecker

KANSAS

Scott City:

4 V 1933, 9 VII 1933

Sphinx instar (Rothschild and Jordan)

MEXICO

Tepoztlon Moc.:

2 specimens, no date

Sphinx chersis (Hubner)

DIGBY COUNTY

Digby:

26 VI 1907

ANNAPOLIS COUNTY

Annapolis Royal:

28 VII 1946, 1 VIII 1946

KINGS COUNTY

Aylesford:

8 VII 1958, 14 VII 1958
29 Vi 1962

Greenwood:

27 VIII 1948, 8 VII 1957

QUEBEC

Montreal:

20 VII 1941, 26 VII 1941
22 VII 1948

Terrebonne High:

16 VII 1949

MAINE

Lincoln:

13 VII 1952

MASSACHUSETTS

Boston:

13 VI 1959

Sphinx vashti Strecker

CALIFORNIA

Cloverdale:

12 V 1956

MONTANA

Little Timber Creek, Sweetgrass Co. 29 VI 1966
 Lima: 11 VII 1956

NEBRASKA

Plattsmouth: 4 V 1934

OREGON

Spring Creek, Baker County: 21 VI 1952, 4 VII 1954
 11 VI 1955, 22 VI 1955

SOUTH DAKOTA

Hill City, Pennington County: 5 VII 1964
 Upper Spring Creek near Hill City,
 Black Hills: 5 VII 1964

Sphinx libocedrus Henry Edwards

ARIZONA

Mayer: 4 IV 1959, 12 V 1959
 15 V 1959, 4 VIII 1960

CALIFORNIA

Cloverdale: 12 VI 1956

Sphinx perelegans Henry Edwards

CALIFORNIA

Cloverdale: 2 VII 1954, 15 V 1955
 19 VI 1955, 8 VIII 1955
 6 IV 1956

Sphinx asella (Rothschild and Jordan)

ARIZONA

Mayer: 4 IV 1959 to 21 VII 1959
 8 IV 1960 to 14 V 1960
 Phoenix: 20 VII 1956
 Wickenburg: 25 VIII 1959

CALIFORNIA

Cloverdale: 12 VII 1955, 27 VI 1954

Sphinx canadensis Boisduval

MAINE

Lincoln: 6 VIII 1932

Sphinx kalmiae J. E. Smith

KINGS COUNTY

Aylesford: 25 V 1960, 1 VIII 1958
Greenwood: 8 VII 1957

QUEENS COUNTY

White Point Beach: 29 VI 1955, 5 VII 1956
29 VIII 1956, 2 VIII 1953
Lake Kejimkujik: 3 VII 1957

LUNENBURG COUNTY

New Harbour: 13 VII 1956
Petite Riviere: 18 VII 1953, 30 VII 1956

HALIFAX COUNTY

Halifax watershed area: 1 VIII 1955, 28 VII 1956
28 VII 1957
Armdale: 1 VII 1945, 25 VII 1945
MacNabs Island: 19 VII 1906
West Dover Barrens: 23 VII 1970
Purcell's Cove: 6 VI 1960

ANTIGONISH COUNTY

Brierly Brook: 12 VII 1956

VICTORIA COUNTY

Baddeck: 4 VII 1949
Kelly's Mountain,
near Englishtown: 28 VII 1970

NEW BRUNSWICK

Dorchester: 31 VII 1949

NEWFOUNDLAND

Doyles, Codroy Valley: 13 VII 1959

Sphinx gordius Cramer

DIGBY COUNTY

Digby: 23 VI 1949

ANNAPOLIS COUNTY

South Milford: 28 VI 1951, 29 VI 1951

KINGS COUNTY

Aylesford: 4 VII 1958, 29 VI 1962

Greenwood: 24 V 1957, 18 V 1958
29 V 1958

QUEENS COUNTY

Lake Kejimikujik: 18 VI 1957, 2 VII 1957

29 V 1958, 30 V 1958

31 V 1958, 3 VII 1968

29 VI 1955

White Point Beach:

LUNENBURG COUNTY

Chester: 25 VII 1968

Petite Riviere: 13 VII 1956, 30 VII 1956

31 VII 1956, I VIII 1956

HALIFAX COUNTY

Armdale, Halifax: 7 VI 1943, 16 VI 1948

19 VI 1948, 22 VI 1948

26 VII 1948, 28 VI 1961

24 VII 1944

Bedford, Halifax:

Boulderwood, Halifax: 24 VI 1959, 25 VI 1959

27 VII 1959, 29 VII 1959

30 VII 1959

MacNabs Island, Halifax:

4 VI 1906, 2 VI 1921

Halifax:

9 VI 1944, 17 VII 1944

23 VII 1944

Near Big Indian Lake:

14 VI 1960

Bog east of Big Indian Lake:

24 VI 1962, 28 VI 1962

Bog, Prospect Road near Halifax:

2 VII 1951, 18 VII 1952

Halifax watershed area:

21 VI 1951

William's Lake:

28 VII 1957, 30 V 1959

Shad Bay:

26 VI 1956

Tantallon:

10 VII 1961

West Dover Barrens:

17 VII 1951

Sable Island:

3 VIII 1969, 4 VIII 1969

HANTS COUNTY

Mount Uniacke: 18 VII 1946, 19 VII 1946

7 V 1950, 15 VI 1950

ANTIGONISH COUNTY

Brierly Brook: 28 VI 1954

COLCHESTER COUNTY

Debert: 28 VI 1956 to 13 VII 1956

19 VI 1957 to 23 VII 1957

CUMBERLAND COUNTY

Glenville: 8 VII 1950
 Amherst: 14 VII 1962

INVERNESS COUNTY

French Mountain: 2 VII 1954

VICTORIA COUNTY

Baddeck: 5 VII 1968, 21 VII 1943

NEW BRUNSWICK

Dorchester: 12 VII 1950

NEWFOUNDLAND

Doyles, Codroy Valley: 13 VII 1959, 25 VII 1962

NEW JERSEY

Wrangle Brook Road, Lakehurst: 27 VIII 1956, 5 IV 1957

Sphinx luscitiosa Clemens

DIGBY COUNTY

Digby: 17 VI 1907, 17 VII 1907

HALIFAX COUNTY

Dartmouth: 12 VI 1910

QUEBEC

Quebec: 4 VIII 1948

Sphinx drupiferarum J. E. Smith

KINGS COUNTY

Greenwood: 4 VII 1956, 26 V 1957

QUEBEC

Montreal: 26 VI 1952

DELAWARE

Wilmington: 8 V 1898

MASSACHUSETTS

Barnstable: 18 VI 1952

NEW YORK

Sardinia: 15 VII 1935

OHIO
Canton: 8 VII 1947, 11 VII 1947

WISCONSIN
Kewaunee: 27 VI 1933

Sphinx dollii Neuoege

ARIZONA
Sunnyside; W. side Huachuca Mtns.: 7-17 VII 1958

Sphinx pinastri Linnaeus

GERMANY
Nordtirol Brandenburg: 24-29 VI 1951
Silesia: no date

Lapara coniferarum (J. E. Smith)

NEW JERSEY
Lakehurst: 2 VII -
Ocean County: 31 VII 1949
Wrangle Brook Road, Lakehurst: 30 V 1956, 8 VI 1956
1-10 VIII -

VERMONT
Arlington: 19 V 1949

Lapara bomycoides Walker

ANNAPOLIS COUNTY
South Milford: 26 VI 1951

KINGS COUNTY
Aylesford: 8 VII 1958, 10 VII 1958
22 VI 1958, 22 VI 1959
Centreville: 22 VII 1949

QUEENS COUNTY
Lake Kejimkujik: 22 VI 1960, 17-19 VI 1957
9 VIII 1961, 14 VI 1958,
15 VI 1958, 20 VI 1960,
23 VI 1960, 3 VII 1968

White Point Beach: 10 VII 1956, 13 VII 1956

LUNENBURG COUNTY

Green Bay: 1 VII 1956
 Petite Riviere: 1 VIII 1956
 Lunenburg: 4 VIII 1957

HALIFAX COUNTY

Armdale: 8 VI 1942, 4 VII 1942
 3 VII 1945, 24 VI 1961
 27 VI 1961
 MacNabs Island: 24 VII 1932
 Purcell's Cove: 12 VII 1962

HANTS COUNTY

Brooklyn: 18 VII 1968

MAINE

Rumford: 24 VII 1951
 Portland: 9 VII 1969

MASSACHUSETTS

Barnstable: 9 VII 1950, 11 VI 1956

Protambulyz strigilis (Linnaeus)

BRAZIL

Parahyba: 5 VII 1953

Protambulyz carteri Rothschild and Jordan

FLORIDA

Hollywood: 15 III 1964

Smerinthus jamaicensis (Drury)

DIGBY COUNTY

Digby: 11 VII 1905

ANNAPOLIS COUNTY

Annapolis: 29 VII 1946

KINGS COUNTY

Aylesford: 19 VI 1962, 19 VI 1963
 Auburn: 30 VI 1951, 6 VI 1952
 Centreville: 2 VI 1951
 Greenwood: 24 V 1951, 13 VI 1956
 5 VIII 1956, 28 VI 1957
 Porter's Point: 25 VII 1948

QUEENS COUNTY	
Lake Kejimkujik:	3 VII 1957
White Point Beach:	27 VI 1953, 18 VII 1953
LUNENBURG COUNTY	
Green Bay:	30 VI 1956
Petite Riviere:	1 VIII 1956
New Harbour:	13 VII 1956
HALIFAX COUNTY	
Armdale:	7 VII 1942, 9 VII 1944 4 VII 1948
West Dover:	11 VII 1956
Waverley:	22 V 1949
William's Lake, Purcell's Cove Rd.	27 V 1959
MacNabs Island:	10 VII 1906
ANTIGONISH COUNTY	
Brierly Brook:	12 VII 1956
COLCHESTER COUNTY	
Debert:	28 VI 1956, 29 VI 1956 16 VI 1957, 20 VI 1957
NEW BRUNSWICK	
Caraquet:	9 VII 1950
Jacquet River:	15 VII 1950
Bathrust:	16 VII 1950
ONTARIO	
Thessalon:	20 VI 1960
MAINE	
Castigoni Penobscot County:	26 VI 1953

Smerinthus cerisyi Kirby

DIGBY COUNTY	
Digby:	4 IV 1905
ANNAPOLIS COUNTY	
South Milford:	27 VI 1951, 12 VI 1949
KINGS COUNTY	
Greenwood:	13 VI 1957
Aylesford:	23 V 1955, 19 V 1958 12 VI 1958, 11 V 1958 18 V 1958, 19 VI 1963
Auburn:	30 VI 1951

Top of North Mtn., near Garland:	19 V 1954
LUNENBURG COUNTY	
Chester:	5 VI 1968
HALIFAX COUNTY	
Purcell's Cove:	12 VII 1962
Armdale:	23 VI 1948, 17 VI 1945
Halifax:	3 VII - , 29 V 1944
ANTIGONISH COUNTY	
Crystal Cliffs:	4 VI 1969
Brierly Brook:	13 VI 1955, 28 VI 1954 11 VI 1956, 12 VII 1956
PICTOU COUNTY	
New Glasgow:	1 VII 1961
COLCHESTER COUNTY	
Debert:	28 VI 1956, 17 VI 1960 20 VII 1961
CUMBERLAND COUNTY	
Parrsboro:	23 VI 1954
VICTORIA COUNTY	
Baddeck:	4 VII 1945
NEW BRUNSWICK	
Dorchester:	25 VI 1952
Caraquet:	9 VII 1950
Jacquet River:	15 VII 1950
SASKATCHEWAN	
Harlan:	5 VI 1942
ALBERTA	
Lloydminster:	8 VII 1952
BRITISH COLUMBIA	
Wellington:	10 VI 1948, 24 V 1948 4 VII 1948, 25 VI 1961 23 VI 1961, 10 VII 1961
CALIFORNIA	
Cloverdale:	- III 1954, 24 III 1955 to 28 IV 1955
IDAHO	
Wallace:	5 VI 1931

Menau: 8 VII 1953

MAINE
Lincoln: 6 VII 1953

NEW HAMPSHIRE
Jefferson: 18 VI 1934, 24 VI 1934
24 VI 1935, 2 VII 1953

NEW YORK
Hawkeye; Adirondak Mountains: 30 VI 1952
Six mile creek, Ithaca: 13 V 1956

OREGON
Spring Creek, Baker County: 20 VI 1952, 26 VII 1953
3 VII 1953, 10 VII 1954
25 VII 1955, 30 VI 1955
22 VI 1955

Smerinthus saliceti Boisduval

CALIFORNIA
Cloverdale: 3 VII 1955, 14 VII 1955
18 VII 1955, 23 VII 1955

San Bernardino: 11 V 1948, 4 IX 1948
26 - 1948

Cloverdale: 28 VIII 1954, 11 VII 1955
15 VII 1955, 17 VII 1955

Sacramento: 4 VII 1955, 8 VII 1955
12 VII 1955, 2 VIII 1955
25 I 1956, 9 VI 1957
12 VII 1958

IDAHO
Menan: 8 VIII 1953

Smerinthus ocellatus Linnaeus

FRANCE
Bareyre: 23 V 1940

Paonias excaecatus (J. E. Smith)

ANNAPOLIS COUNTY
Annapolis Royal: 14 VI 1949
South Milford: 27 VI 1951

Lawrencetown:	12 VII 1945
KINGS COUNTY	
Locality unknown:	12 VII 1948, 2 VIII 1948
Aylesford:	22 VI 1959, 25 V 1960
	10 VII 1958, 30 VI 1956
	14 VII 1956, 17 VI 1957
	26 VI 1957, 9 VII 1957
Porter's Point:	25 VII 1948
Lake Kejimikujik:	2 VII 1957, 3 VII 1957
	23 VII 1957, 11 VII 1958
	12 VI 1958
QUEENS COUNTY	
White Point Beach:	18 VI 1955
LUNENBURG COUNTY	
Petite Riviere:	4 VIII 1950, 30 VII 1956
	31 VII 1956, 1 VIII 1956
Green Bay:	28 VI 1956, 1 VII 1956
Lunenburg:	12 VII 1969
East Chester:	12 VII 1968
New Harbour:	13 VII 1956
HALIFAX COUNTY	
Armdale:	1 VII 1945, 8 VII 1945
	4 VIII 1950
MacNabs Island:	19 VII 1906
Peggy's Cove:	8 VII 1951
West Dover:	28 VI 1957
William's Lake:	25 VII 1959
HANTS COUNTY	
Mount Uniacke:	10 VII 1951
PICTOU COUNTY	
Merigomish Harbour:	21 VII 1963
Debert:	22 VI 1957, 28 VI 1956
	29 VI 1956, 11 VII 1956
	20 VI 1957, 27 VI 1957
	9 VII 1957, 10 VII 1957
	27 VII 1957
COLCHESTER COUNTY	
Great Village:	- VII 1946
CUMBERLAND COUNTY	
Parrsboro:	13 VI 1954

INVERNESS COUNTY	
North Mountain:	29 VI 1964
French Mountain:	2 VII 1954
ONTARIO	
Toronto:	2 VII 1950
MAINE	
Lincoln:	26 VI 1952, 28 VI 1956
Portland:	9 VII 1969
NEW HAMPSHIRE	
Mount Washington:	30 VII 1951
TENNESSEE	
Jackson:	3 VII 1969
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<u>Paonius myops</u> (J. E. Smith)	
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ANNAPOLIS COUNTY	
Annapolis Royal:	13 VI 1949
Lequille:	25 VI 1946
KINGS COUNTY	
Aylesford:	8 VII 1958, 10 VII 1958
LUNENBURG COUNTY	
Petite Riviere:	16 VII 1953, 18 VII 1953 9 VII 1957
HALIFAX COUNTY	
Armdale:	29 VI 1945
Bedford:	4 VII 1944
ANTIGONISH COUNTY	
Brierly Brook:	17 VI 1953
PICTOU COUNTY	
Stellarton:	14 VII 1916
COLCHESTER COUNTY	
Debert:	29 VI 1956, 13 VII 1956
Great Village:	25 VI 1948, 30 VI 1948 11 VII 1948, 18 VII 1948
VICTORIA COUNTY	
Baddeck:	4 VII 1945

Paonias astylus (Drury)

MASSACHUSETTS

Barnstable: 29 V 1952, 12 VII 1952
20 VIII 1952

NEW JERSEY

Jerseyville: 24 VII 1951
Lakehurst: 1-18 VII --

DIGBY COUNTY

Acacia Valley: 15 VI 1949

ANNAPOLIS COUNTY

Annapolis Royal: 14 VI 1949

QUEENS COUNTY

Lake Kejimkujik: 19 V 1957

NEW YORK

Sardinia: 26 V 1939, 26 V 1939

PENNSYLVANIA

New Brighton: 13 VII 1907

TEXAS

Arlington: 23 VI 1959

Laothoe populi Linnaeus

ENGLAND

Stelling, Kent County: 12 VI 1962, 15 VII 1962

FRANCE

Gargon: 18 VIII 1955

Pachysphinx modesta (Harris)

ANNAPOLIS COUNTY

Annapolis Royal: 5 VII 1946

KINGS COUNTY

Aylesford: 19 VI 1963, 19 VI 1963
20 VI 1963
Auburn: 30 VI 1951
Greenwood: 16 VII 1957

QUEENS COUNTY

Lake Kejimkukik:

6 VI 1957, 18 VI 1957
 2 VII 1957, 30 V 1958
 13 VI 1958, 20 VI 1960
 16 VII 1953

White Point Beach:

LUNENBURG COUNTY

Petite Riviere:

1 VIII 1956

HALIFAX COUNTY

Armdale:

9 VII 1944, 22 VI 1948

Bedford:

1 VII 1941

HANTS COUNTY

Brooklyn:

20 VII 1970

ANTIGONISH COUNTY

Brierly Brook:

11 VI 1956

PICTOU COUNTY

Merigomish Harbour:

23 VII 1962, 24 VII 1963

Stellarton:

28 VII 1916, - VII 1916

COLCHESTER COUNTY

Debert:

28 VI 1956

NEW BRUNSWICK

Jacquet River:

15 VII 1950

Dorchester:

25 VI 1952

MAINE

Lincoln:

26 VI 1952

Pachysphinx occidentalis (Henry Edwards)

ARIZONA

Black Canyon:

4 IX 1959

Mayer:

22 VII 1959, 30 VIII 1959

Huachuca Mountains:

7-17 VII 1958

CALIFORNIA

Cloverdale:

26 VII 1954, 27 VII 1954

4 VIII 1954, 17 IV 1955

4 VI 1955, 13 VI 1955

14 VI 1955, 1 VIII 1955

22 VII 1955, 11 IV 1956

Sacramento:

11 VI 1958

Subfamily MACROGLOSSINAE

Pseudosphinx tetrico (Linnaeus)

MEXICO

Colima: 30 XI 1967, 1 XII 1967
3 II 1968

Isognathus rimosus (Grote)

CUBA

Guantanamo: 8 II 1958

FLORIDA

Miami: 4 VI 1946

Erinnyis alope (Drury)

FLORIDA

Miami: 5 I 1947

Erinnyis lassauxii (Boisduval)

Locality unknown: 1 specimen, no date

Erinnyis ello (Linnaeus)

ARIZONA

Madera Canyon: 27 VIII 1957
Huachuca Mountains: 7-17 VII 1958

FLORIDA

Siesta Key: 6 I 1951, 2 I 1952
24 XII 1951, 20 I 1952
Miami: 19 VI 1949

BRAZIL

Parahyba: 5 VII 1953

Erinnyis crameri (Schaus)

TEXAS

Brownsville: 29 IX 1962, 8 X 1963
18 X 1963, 12 XI 1963

Pachylioides resumens (Walker)

MEXICO

Manzanilla:	21 I 1961
Chimalapa:	- VII 1966
San Salvador:	19 V 1961

Madoryx pseudothyreus (Grote)

FLORIDA

Craig:	17 III 1955
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Callionima parce (Fabricius)

MEXICO

Colima:	3 II 1968, 8 II 1968
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Perigonia lusca (Fabricius)

FLORIDA

Homestead:	13 XII 1954
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MEXICO

Colima:	1 II 1968, 5 II 1968
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Aellopos clavipes (Rothschild and Jordan)

MEXICO

Tamaulipas:	- VI 1966
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Enyo lugubris (Linnaeus)

FLORIDA

Miami:	3 II 1903, 7 II 1903
	8 II 1903
Tampa:	12 X 1934, 21 X 1934

GEORGIA

Atlanta:	29 VIII 1944
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Hemaris fuciformis (Linnaeus)

FRANCE

Cauderan:	15 VIII 1934
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FRANCE

Labrede Ninon: 1 VIII 1942
 Marsas: 12 VIII 1932

Mimas tiliae Linnaeus

ENGLAND

Stelling, Kent County: 14 VI 1962
 Wimbledon, London: 28 VI 1963

GERMANY

Brandenburg: no data

Hemaris thysbe (Fabricius)

DIGBY COUNTY

Mount Beaman: 24 VI 1944

ANNAPOLIS COUNTY

Lequille: 12 VI 1946, 14 VII 1946
 12 VII 1949
 South Milford: 5 VII 1946, 23 VI 1950
 27-28 VI 1951

QUEENS COUNTY

White Point Beach: 20 VIII 1954

HALIFAX COUNTY

Halifax: 30 VI 1950
 MacNabs Island: 5 VIII 1905, 25 VII 1901

HANTS COUNTY

Mount Uniacke: 21 VII 1950

INVERNESS COUNTY

Corney Brook: 2 VII 1954
 St. Paul Island: 22 VI 1955

VICTORIA COUNTY

Baddeck: 28 VII 1949

CAPE BRETON COUNTY

Sydney: about 1900

MONTANA

Lemay: 25 VI 1940
 Norborne: 14 VII 1943, 8 VIII 1943
 25 VI 1943

NEW JERSEY
Oakland: 27 VII 1947

OHIO
Canton: 7 VI 1944, 20 VIII 1944

PENNSYLVANIA
Rading: 4 VIII 1958, 27 V 1958

Hemaris gracilis (Grote and Robinson)

HALIFAX COUNTY
Eastern Passage: 9 VI 1912

HANTS COUNTY
Mount Uniacke: 28 VI 1962

Hemaris diffinis (Boisduval)

ANNAPOLIS COUNTY
Annapolis Royal: 1 VI 1949
South Milford: 28 VI 1957
Lequille: 12 VI 1946

KINGS COUNTY
Coldbrook: 5 VI 1949

QUEENS COUNTY
Lake Kejimkujik: 30 V 1950

HALIFAX COUNTY
Armdale: 6 VII 1942, 13 V 1944
Fall River: 5 VII 1905, 23 VII 1905
Boulderwood: 8 VI 1942
Armdale: 6 VI 1943, 12 VI 1944
7 VII 1943
MacNabs Island: 31 V 1906

HANTS COUNTY
Mount Uniacke: 15 VI 1954

CAPE BRETON COUNTY
Sydney: about 1900

QUEBEC
Terrebonne: 1 VII 1946

ONTARIO

Hamilton: 7 VIII 1948, 4 VIII 1948
3 VIII 1948
Geraldton: 13 VI 1955

SASKATCHEWAN

Harlan: 8 VI 1942

BRITISH COLUMBIA

Wellington: 24 V 1953, 9 VI 1953
25 V 1953, 13 V 1956
21 V 1946, 31 V 1953
19 V 1953, 18 V 1946
20 V 1946, 4 VI 1951

ARIZONA

Big Bug Canyon: 6 V 1959, 6 V 1959
26 IV 1959, 6 V 1959
Oak Creek Canyon: 29 VII 1959
Wolf Creek: 20 VII 1959
Mayer: 20 VI 1959, 5 V 1959

CALIFORNIA

Hunter Liggett Res.: 26 V 1951

IDAHO

Wallace: 12 VII 1929

TENNESSEE

Jackson: 4 IV 1953, 10 V 1953

Hemaris senta (Strecker)

CALIFORNIA

Cloudburst Canyon, San Gabriel Mtns. 19 VI 1959, 10 V 1959
Mocho Canyon, Livermore: 7 V 1950

Eumorpha anchemola (Cramer)

CANAL ZONE

Madden Dam: 26 XII 1967

Eumorpha satellitia (Linnaeus)

TEXAS

Brownsville: 8 VI 1956

Eumorpha pandorus (Hubner)

GEORGIA

Augusta: 12 V 1945, 5 VIII 1942
20 VII 1942

MASSACHUSETTS

Barnstable: 3 VII 1951

PENNSYLVANIA

Mansfield: 2 VII 1937

Eumorpha achemon (Drury)

ARIZONA

Mayer: 8 V 1959

CALIFORNIA

Cloverdale: 23 V 1954, 24 VII 1954 to
21 VIII 1954, 4 VI 1955 to
6 VIII 1955, 25 I 1956
9 V 1956 to 2 VI 1956
16 V 1959 ,
Sacramento: 20 VIII 1958, 20 VI 1958

MASSACHUSETTS

Barnstable: 6 VII 1949, 27 V 1951

WYOMING

Sheridan: 15 VI 1948, 18 VI 1948

Eumorpha typhon (Klug)

ARIZONA

Huachuca Mountain: 7-17 VII 1958, 13 VIII 1965
22 VII 1965
Sierra Vista: 20 VII 1956

Eumorpha vitis (Linnaeus)

TEXAS

Brownsville: 7 X 1956

BRAZIL

Parahyba: 17 V 1953

Eumorpha fasciata (Sulzer)

HALIFAX COUNTY

Crawfalls near Musquodoboit:

- VII 1902

MacNabs Island:

20 VIII 1907

Eumorpha labruscae (Linnaeus)

Locality unknown:

1 specimen, no data

Macroglossum stellatarum Linnaeus

GERMANY

North Germany:

no date

Gautethia grotei Henry Edwards

FLORIDA

Siesta Key:

1 I 1952, 26 XII 1951

3 I 1952

Deidamia inscripta (Harris)

MASSACHUSETTS

Barnstable:

28 V 1954, 29 V 1954

PENNSYLVANIA

Reading:

23 V 1958

Arctonotus lucidus Boisduval

CALIFORNIA

near Laytonville:

21 I 1948

Amphion nesus (Cramer)

HANTS COUNTY

Windsor:

no date

ONTARIO

Hamilton:

7 VI 1940

FLORIDA

Miami:

25 VII 1931

GEORGIA
 Augusta: 10 IV 1947

PENNSYLVANIA
 Reading: 27 V 1958, 29 V 1958

KANSAS
 Franklin: 21 VI 1953, 1 VII 1953

Proserpinus clarkiae (Boisduval)

IDAHO
 Boise: no date

Proserpinus flavofasciata (Walker)

ONTARIO
 Geraldton: 9 VI 1955

Darapsa versicolor (Harris)

MASSACHUSETTS
 Barnstable: 15 VII 1950

Darapsa myron (Cramer)

QUEBEC
 Montreal: 13 VI 1952, 23 VI 1952

ONTARIO
 Windsor: 8 VII 1946

FLORIDA
 Punta Gorda: 7 III 1941
 Sarasota: 7 V 1951

MASSACHUSETTS
 Martha's Vineyard: no date

NEW YORK
 New York: 25 V 1942, 3 VI 1942

TENNESSEE
 Montgomery Bell: 19 VI 1969
 Dickson: 20 VI 1969

Darapsa pholus (Cramer)

ANNAPOLIS COUNTY

South Milford: 28 VI 1951

KINGS COUNTY

Aylesford: 8 VII 1958, 19 VII 1963
20 VII 1963

Greenwood: 17 VI 1947, 11 VI 1957
19 VI 1957

QUEENS COUNTY

White Point Beach: 2 VIII 1953, 22 VII 1954
11 VII 1955, 3 VII 1956

LUNENBURG COUNTY

Green Bay: 30 VI 1956, 1 VII 1956
7 VII 1956

Petite Riviere: 14 VIII 1954, 11 VII 1957

HALIFAX COUNTY

Armdale: 15 VI 1951, 24 VI 1961
6 VIII 1944, 5 VII 1945
7 VII 1945, 21 VII 1945
25 VII 1945, 4 VIII 1946
27 VI 1961

Big Indian Lake: 24 VI 1960, 24 VI 1962

Purcell's Cove: 6 VI 1960

West Dover: 19 VI 1954

Halifax: 30 VII 1956

Halifax watershed area: 11 VI 1957, 9 VII 1956

Near Big Indian Lake: 30 VII 1958, 31 VII 1958

MacNabs Island: 13 VI 1930

HANTS COUNTY

Mount Uniacke: 1 VIII 1968

COLCHESTER COUNTY

Debert: 21 VI 1947, 20 VI 1957

CUMBERLAND COUNTY

Parrsboro: 11 VII 1955

MAINE

Passadumkeag Bog: 14 VII 1952

NEW JERSEY

Lakehurst: 8 VI 1956

Xylophanes pluto (Fabricius)

TEXAS	
Brownsville:	12 X 1960, 4 X 1963
MEXICO	
Colima:	1 XII 1967, 8 LL 1968
BRAZIL	
Rio de Janeiro:	23 I 1955

Xylophanes falco (Walker)

ARIZONA	
Santa Rita Mountains:	20 VIII 1957 to 5 IX 1957
Huachuca Mountains:	7-17 VII 1958

Xylophanes tersa (Linnaeus)

FLORIDA	
Archbold Biological Station, Highlands County:	29 III 1962, 31 III 1962 5 IV 1962
Daytona:	15 IV 1947
Miami:	2 II 1903
Siesta Key:	30 III 1952
Tampa:	10 IX 1934, 13 IX 1934 2 XI 1934
GEORGIA	
Savannah:	15 XII 1948
SOUTH CAROLINA	
Charleston:	1st week of XI 1944
TEXAS	
Brownsville:	11 IV 1954, 16 III 1957
BRAZIL	
Parahyba:	7 VI 1953, 24 VI 1953

Hyles euphorbiae (Linnaeus)

GERMANY	
Meissen:	VI 1948, 17 VI 1955

Hyles gallii (Rottenburg)

ANNAPOLIS COUNTY

Round Hill: 28 VI 1938

HALIFAX COUNTY

MacNabs Island: 30 VI 1908

PICTOU COUNTY

Pictou: about last week of VI-
10 VII 1941, 16 VII 1941

Stellarton: no date

CAPE BRETON COUNTY

Sydney: about 1900

ONTARIO

Geraldton: 1 VII 1956

Hyles lineata (Fabricius)

HALIFAX COUNTY

MacNabs Island: - - 1900

ARIZONA

Black Canyon: 4 IX 1959
21 VII 1957, 4 V 1959
10 V 1959, 8 VI 1959
30 VII 1959, 31 VII 1959
5 VIII 1959, 13 IX 1959
28 IX 1959, 29 IX 1959
2 XI 1959, 20 II 1960
13 III 1960, 1 IV 1960
12 V 1960, 14 V 1960

New River: 21 IX 1959

Phoenix: 20 VII 1956, 20 VII 1956

CALIFORNIA

Cloverdale: 12 IX 1954, 4 IV 1955
23 IV 1955, 24 IV 1955
2 VIII 1955, 7 IX 1955
15 IV 1956, 1 V 1956
7 V 1956, 10 V 1956

COLORADO

Divide:

19 VII 1948

New Castle:

no data

IOWA

LaClaire:

25 IX 1946

MARYLAND

Hagerstown:

23 VI 1937, 17 VII 1937

MASSACHUSETTS

Barnstable:

1 VI 1951, 4 VI 1951
20 VI 1951, 2 VI 1952

MISSOURI

Norborne:

27 VI 1943, 17 VIII 1943

Deilephila elepenor Linnaeus

GERMANY

Locality unknown:

27 VI 1948

Zetel, Oldenburg:

22 V 1955, 30 V 1955