

SUMMARIES OF LEPIDOPTERA

ENCOUNTERED IN ONTARIO

IN

1 9 7 5

PREPARED BY

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## 1. INTRODUCTION

This is Occasional Paper # 6-76 of the Toronto Entomologists Association and is based on reports contributed by members of the Association as follows:

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Wodek W.Gregory	(WWG)	Oakville.
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Henry E.Kowalyk	(HEK)	Port Credit.
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Douglas E.Scovell	(DES)	Scarborough.
Darryl Stewart	(DS)	Toronto.
J.C.E.Riotte	(JCER)	Toronto.

Each contributor is identified in the Summary by the initials shown in brackets above. The full address of each contributor is available from the Secretary of the Association at the address shown on the cover of this Paper. Where a report is credited to someone who is not a member, the full name is given.

The 1975 Summary is organized in the same order as that used in "The Butterflies of North America" by Wm.H.Howe (1975 - Doubleday & Co.Inc., Garden City, New York) for the Rhopalocera and "The Moth Book" by W.J.Holland (1968-Dover Publications Inc., New York) for the Heterocera.

## 2. WEATHER DURING THE 1975 SEASON

In JANUARY 1975 most of Ontario was milder than average and precipitation was above average, except in the area near Lake Ontario. The first half of FEBRUARY was cold, but the rest of the month was pleasant and especially mild in southern Ontario. Precipitation was well below normal in northern Ontario and above normal elsewhere. MARCH was colder than average, with precipitation below average in northern and above average in southern Ontario.

In APRIL, northwestern Ontario was sunny, cool and dry, but it was a different story elsewhere. A most intense storm struck southern Ontario on the 2nd with an 8 to 10 inch blanket of snow being deposited. Long-lasting gale force winds whipped up huge drifts, and the average precipitation for the month ranged from 2 to 4 inches. The mean monthly temperatures were 4 to 8 degrees below normal, with Toronto, London & Windsor reporting their coldest April on record. During a mild spell, Goderich had 72 deg. on the 26th.

In MAY, unusually warm weather returned to all areas, with the mean temperatures being 6 to 9 degrees above normal. It was the warmest May on record at some Ontario locations, and the warmest May since 1960 in others.

Daily temperature readings in the eighties (F) were common while Kapuskasing, Timmins and places along the Ottawa Valley reached 90 degrees. No frost was reported south of Sudbury, a most unusual situation. It was dry in northwestern Ontario, but wetter than normal along a line from Sault Ste. Marie eastward through North Bay to Quebec. Two to three inches of rain fell through southern Ontario and in parts of northern Ontario.

JUNE began cool but progressively warmed, resulting in mean temperatures being one to three degrees above normal in the southern settled areas and five to eight degrees above normal in the north. Afternoon temperatures reached ninety (F) in most areas and much of Ontario was sunnier than usual. Four to six inches of precipitation, up to one and a half times greater than normal fell over northwestern Ontario and ended the spring dry spell. Three to four inch falls occurred near the lower great lakes. Only 50 to 60 per cent of normal rainfall occurred in the area from Georgian Bay eastward to the Ottawa Valley. Dry weather extended through southern Ontario during the third and fourth weeks.

In JULY, hot and humid weather dominated the scene and temperatures generally averaged one to three degrees above normal. During the hot spells in northern Ontario several records were set. At Moosonee the temperature rose to 38 degrees (C) (note 2) on the 31 st for a new all time high. Rainfall totals were particularly high in northern Ontario, Lansdowne House reporting 9.08 inches. Rainfall in most southern regions was predominantly convective, which accounts for the variability in amounts reported. For example, Chapleau had 0.75 inches (25 per cent of normal) while North Bay had 5.29 inches (132 per cent of normal).

In general, AUGUST was warmer than usual. However, temperatures cooler than normal were reported in northwestern Ontario, and in scattered southern Ontario locations. During the first three days of the month, daily extreme maximum temperatures were reported at many stations, e.g. at Peta-wawa it reached 38.8 degrees C. Northwestern and southwestern Ontario were wetter than normal but the remaining regions were quite dry. Chapleau received only 0.63 inches of rain (17 per cent of normal). The large amounts of precipitation in southwestern Ontario (4 to 6 inches or more) were mostly due to heavy thunderstorm activity late in the month.

In SEPTEMBER, southern Ontario and the area north of Lake Superior were 2.5 degrees C colder than normal. London recorded its coolest ever September and other localities including Toronto had their coolest September since 1963. Killing frosts were general except in southern Ontario and far eastern Ontario south of the lower Ottawa Valley. Precipitation was above normal in southern Ontario, but most of northern and western Ontario was drier than usual and a few localities received only half their usual amount. Traces of snow were reported in northern Ontario and on the 13 th over the highest terrain of the Niagara Escarpment.

In OCTOBER, southeastern Ontario and a large area in northern Ontario had temperatures slightly below normal, while elsewhere it was slightly warmer than usual. Toronto's mean temperature of 12 degrees C was the warmest in Canada. Northern Ontario and an area along the Ontario/Quebec border reported above normal precipitation, although totals over all of southern Ontario were generally less than 50mm compared with normals of 65 to 75mm.

Note 1: From the "Canadian Weather Review" by Environment Canada - Vol.13 #'s 1,2,4,5,6,7,8,9 & 10.

Note 2: Environment Canada changed from Fahrenheit to Celsius in July 1975 and from inches to millimetres in September 1975.

### 3. GENERAL SUMMARY

1975 was an interesting year for insects in Ontario. Spring collecting in northern Ontario was somewhat disappointing, according to Hess. He worked the area of Highway # 11 from North Bay to the Lakehead during the period June 8th to 11th. The weather tended towards cloud and wind. *Papilio glaucus canadensis* was below average. The Arctic Skipper *Carterocephalus palaemon mesapano* was common in the Cochrane area. The Driftwood Bog (20 miles west of Cochrane) had *Callophrys augustinus*, one worn *Boloria freija* and a *B.eunomia*, one *Speyeria*, one *Vanessa virginiensis* and several blues. McCoig township, 20 miles east of Longlac, had one *Colias interior*, one fresh *B. freija*, one *Papilio glaucus canadensis*, one *Callophrys augustinus* & one blue. 10 miles west of Geraldton were two fresh *Boloria bellona toddi*. Dandelions were in seed in this area, the lilac were in bloom in Geraldton, and along Highway 11, the mountain ash was in flower, as well as blueberry and Juneberry. Butterflies were scarce at Geraldton, with one *Pieris oleracea*, two *Vanessa antiopa*, two *Papilio glaucus canadensis* and a few *Polygonia faunus*.

On June 20th at Geraldton, one *Erebia disa* and one *Boloria selene* were collected. Between the Kenora and Geraldton regions, butterflies were scarce. On June 21st near Cochrane, one fresh *Boloria frigga* was collected by Hess, who also reported some fresh *Boloria eunomia* and a few *Limenitis arthemis* in McCoig township, 20 miles west of Longlac.

On June 30th, Gregory reports a cloud of *Thymelicus lineola* flying in the area about 80 miles north of North Bay. He also reports a good season for *Plebejus saepiolus amica* and *Glaucopsyche lygdamus couperi* in the same general area.

For the area between North Bay and Huntsville, a very good moth night occurred on June 21st, mainly the Sphingids, as reported by Hess.

In the Dorset (Muskoka District) area, Hess reported *Limenitis arthemis* as common on June 22nd, with Norman Tremblay finding the same situation in the Minden area.

It was a good year for *Nymphalis vau-album j-album* in the Dorset-Algonquin Park-Minden region. Early spring specimens were collected or observed by Darryl Stewart, Hess and Tremblay. Peak abundance occurred on July 9th, 10th and 11th in the same area.

For southeastern Ontario, Riotte reports the season in general was not too good for insects. He took at incandescent light the first ever specimen of *Ecpantheria scribonia* (Arctiidae) for eastern Ontario (it was known before only from London and the Niagara Glen) on June 22nd. A few days later, a small colony of the skipper *Euphyes dukesi* was found at Chaffey's Locks and one specimen was collected on July 7th. Together with one specimen of the skipper *Atrytonopsis hianna* taken on June 28th, 1974 near Stoco in Hastings Co. on a roadside, these new species on the list for eastern Ontario lepidoptera pose intriguing problems of a zoogeographic nature (please refer to Riotte's forthcoming article in the Journal of Research on the Lepidoptera).

Riotte reports that Sphingiidae were scarce and also the silkmoths, except *Actias luna* which was common. Except for this report, the remainder of Ontario had no reports of silkmoths except *cecropia* in the Stouffville area, and *colombia* in the Dorset area.

For southcentral and southwestern Ontario the reports at hand indicate a good year for many species of butterflies. Some abundant species were *Euphydryas phaeton*, *Satyrium caryae-vorus*, *Pieris virginiensis*, *Euchloe olympia rosa*, and others.

Darryl Stewart reports *Mitoura gryneus* in the spring (May 24th) and summer (August 10th) at Point Pelee. The spring specimens would take flight, circling momentarily round the tops of the red cedars after the trunk had been given a kick. Some would return to the same perch or close by, but most kept out of reach, except when on flowers in the case of the summer brood only. For Point Pelee, Darryl Stewart also reports *Strymon melinus* on August 10th.

At Tilbury, *Papilio cresphontes* (4) was observed by Darryl Stewart.

*Cynthia cardui* was almost absent in southern Ontario, only two being reported, one at Tavistock (July 28) and one at Tilbury (August 2).

Swallowtails were not abundant although all the usual species - *P.glaucus*, *P.troilus*, *P.p.asterius* and *P.cresphontes* were reported. *P.glaucus* was common as usual in the Dorset area during the week of June 1st as reported by Hess. This same area and time also provided four *Amphion nessus* (Sphingidae) collected at lilac by Hess and Tremblay, as well as many *Haemorrhagia thysbe* and *diffinis*.

\* \* \* \* \*

4. SEASONAL SUMMARY - 1975

## PAPILIONOIDEA

DANAIDAE*Danaus plexippus* (Linnaeus)

Thessalon, July 7-21 (HEK); Campbellville, May 24 (NGE);  
Marathon, Sept. 19 (NGE); Ridout Township (Muskoka), July  
10 (QFH); Toronto waterfront, Aug. 28 (migrating) (QFH);  
Sebringville, Oct. 22 (1) (QFH); Point Pelee, May 31 (DS);  
numbers up over 1974 in Northumberland County (WJDE).

SATYRIDAE*Oeneis macounii* (Edwards)

No reports for 1975.

*Oeneis chryxus strigulosa* (McDunnough)

Twin Lakes (Peterborough County), present in good num-  
bers, May 18 (WJDE).

*Oeneis jutta ascerta* Masters & Sorensen

No reports for 1975.

*Erebia disa* (Thunberg)

Geraldton, June 20 (1) (QFH).

*Erebia discoidalis* (Kirby)

No reports for 1975.

*Cercyonis pegala pegala* (Fabricius)

Northumberland County, common, first seen in Colborne  
area, July 6 (WJDE); Willowdale, June 28 (DS); Zurich,  
July 5 (QFH); Bayfield, July 7 (QFH); West Flamborough,  
June 28 (NGE); Thessalon, July 7-21 (HEK); Oakville,  
July 1-10 (WWG).

*Coenonympha tullia inornata* Edwards

Port Credit, June 6 (HEK); East Flamborough, concession  
7, June 14 (NGE); Dorset, June 30 (QFH); Brown Hill,  
August 28 (2) (QFH); Oakville, June 10-20 (common) (WWG);  
Latchford, June 24-25 (WWG); Kettle Lakes Prov. Park,  
June 25-30 (WWG); Shannonville, June 7 (common) (DS);  
common in June in Northumberland County (WJDE); May-  
nooth, June 29 (WJDE); Opeongo Bog (Algonquin Park),  
June 29 (WJDE).

*Euptychia cymela* (Cramer)

Northumberland County, common as usual (WJDE); Oakville,  
May 25-30 (WWG); Shannonville, June 7 (DS); Ridout Twp.,  
June 1 (QFH); Campbellville, June 8 (NGE); Puslinch,  
June 29 (NGE); Port Credit, June 6 (HEK).

*Lethe anthedon* (Clark)

Thessalon, July 7-21 (HEK); Halton County Forest (fem) August 17 (WP); Ridout Township, July 26 (QFH); Whitney, July 9 (DS); North Grafton (Northumberland County), July 13 & 20 (WJDE); Colborne, July 22 (WJDE); Muldrew Lake (near Gravenhurst), June 29-30 (DES).

*Lethe eurydice* (Johansson)

Muldrew Lake, June 29-30 (DES); common in Northumberland County (WJDE); Willowdale, June 21-28 (DS); Puslinch, July 4 (WWG); Zurich, July 5 (QFH); Bayfield, July 7 (QFH); female collected in Greensville Conservation Pk., (Wentworth County), June 29, laid eggs - larvae reared on grass, second generation in August (WP); West Flamborough, June 28 (NGE); East Flamborough, July 3 (NGE).

APATURIDAE*Asterocampa celtis* (Boisduval & Leconte)

Point Pelee, Aug.13 (NGE); Aug.2,9,10,Sept.13, larvae on Celtis - Aug.10 (DS).

*Asterocampa clyton* (Boisduval & Leconte)

Point Pelee, Aug.2, larvae taken on Celtis, Aug.10 (DS).

NYMPHALIDAE*Limenitis arthemis arthemis* (Drury)

Latchford, June 24-25 (common) (WWG); Kettle Lakes Prov. Park, June 25-30 (abundant) (WWG); Thessalon, June 13-23 (HEK); Dorset, July 7-21 (HEK); Niagara Falls, July 7-21 (HEK); Muldrew Lake, June 29-30 (DES); Marathon, Aug. 10 (NGE); many fresh specimens - July 31, Aug.1-2, Parry Sound Dist. (WJDE); Ridout Township, June 21 (several), June 22 (abundant), June 30 (several), July 11 (several worn) (QFH); Brown Hill, Aug.28 (1) (QFH); Mount Albert, June 15 (DS); Willowdale, June 21 (DS); Marlbank, July 13 (DS).

*Limenitis arthemis astyanax* (Fabricius)

Willowdale, June 28-July 5 (DS); Copetown Bog, July 8 (DS); Halton Co.Forest, July 27 (DS); Zurich, Aug.10 (2) (QFH); Brown Hill, Aug.28 (QFH); Bear Lake, Monteith Twp. (Parry Sound Dist.), Aug.2 (WJDE); Pelee Island, July 13 (NGE); Muldrew Lake, June 29-30 (DES); St.Williams, Aug. 10 (common) (WP); St.Williams, June 1-10 (WWG).

*Limenitis archippus* (Cramer)

Point Pelee, Aug.9 (DS); Zurich, Aug.10 (QFH); Penetang, Aug.10 (QFH); Brown Hill, Aug.28 (QFH); Campbellville, June 8 (NGE); Puslinch, June 29 (NGE); Muldrew Lake, June 29-30 (DES); Oakville, Aug.15-25 (WWG).



*Precis coenia* (Hübner)

No reports in 1975.

*Phyciodes tharos* (Drury)

Kettle Lakes Prov.Park, June 25-30 (WWG); Thessalon, June 13-23 (HEK); Muldrew Lake, June 29-30 (DES); Campbellville, May 24 (NGE).

*Phyciodes batesii* Reakirt

Campbellville, June 9 (NGE); Pinery Prov.Park, June 4 (WJDE).

*Chlosyne nycteis* (Doubleday)

Marlbank, July 13 (DS).

*Chlosyne harrisii* (Scudder)

Whitney, July 9 (DS); Latchford, June 24-25 (WWG); Muldrew Lake, June 29-30 (DES); Haldimand Township, June 15 (WJDE).

*Euphydryas phaeton* (Drury)

It was a good year for this species. Bayfield, July 8 (QFH); East Flamborough, June 14 (larvae) (NGE); West Flamborough, June 28 (NGE); Rockton, July 7 (eggs) (NGE); Puslinch, July 4 (WWG); Willowdale, June 21-July 5 (DS); Copetown Bog, July 8 (DS); Langton, July 8 (DS).

*Polygonia interrogationis* (Fabricius)

Point Pelee, Aug.9 - larvae on Celtis (DS); Point Pelee, Aug.9-10 (DS); Presqu'ile Prov.Park, July 14 (DS); Ancaster, June 7 (NGE); Hamilton, July 17 (NGE); Ridout Township, Aug.5 (QFH).

*Polygonia comma* (Harris)

Willowdale, June 28 (DS); Campbellville, June 10 (NGE); Pelee Island, July 13 (NGE).

*Polygonia satyrus* (Edwards)

Brown Hill, August 28 (QFH).

*Polygonia faunus* (Edwards)

Marathon, Aug.16 (NGE); Whitney, July 9 (DS); Geraldton, June 10 (QFH); Brown Hill, Aug.28 (QFH).

*Polygonia gracilis* (Grote & Robinson)

No reports in 1975.

*Polygonia progne* (Cramer)

Ridout Township, July 21 (QFH); Burnley, May 3 (WJDE); Rob Roy, July 31 (DES); Whitney, July 9 (DS).

*Vanessa atalanta* (Linnaeus)

Bayfield, July 8 (several) (QFH); Ridout Township, July 26 (QFH); Zurich, July 28 (QFH); common around Colborne - many larvae on nettles (WJDE); East Flamborough, June 14 (NGE); Pelee Island, July 13 (NGE); St. Williams, Aug. 10 (WWG); Oakville, Aug. 15-25 (WWG); Tilbury, May 24 (DS).

*Cynthia cardui* (Linnaeus)

Scarce in 1975. Tilbury, Aug. 2 (1) (DS); Tavistock, July 28 (1) (QFH).

*Cynthia virginensis* (Drury)

Tilbury, May 24 (DS); Thessalon, June 13-23 (HEK); Muldrew Lake, June 29-30 (DES); Rob Roy, July 31 (DES); Barry's Bay, July 10 (DES); Hamilton, May 3 (NGE); Marathon, Aug. 31 (NGE); common in Northumberland Co. (WJDE); Ridout Township, June 1 (1) (QFH); June 22 (1) (QFH); Bayfield, July 7 (2) (QFH); Driftwood, June 9 (1) (QFH); Ridout Township, July 11 & 26 (QFH); Zurich, July 28 (QFH).

*Nymphalis milberti* (Godart)

St. Williams, June 1-10 (WWG); Kettle Lakes Prov. Park, June 25-30 (WWG); Nith River, April 27 (NGE); Marathon, Aug. 17 (NGE); Maynooth, June 29 (WJDE); Byng Inlet, (Parry Sound District), July 31 (WJDE); Killarney Prov. Park, Aug. 1 (WJDE); Zurich, July 28 (QFH); Brown Hill, Aug. 28 (QFH).

*Nymphalis vau-album j-album* (Boisduval & Leconte)

Ridout Township, May 31 (QFH); abundant - week of July 10 (QFH); Burnley, May 3 (WJDE), Byng Inlet, July 31 (WJDE); Marathon, Aug. 9-31 (NGE); Muldrew Lake, June 29-30 (DES); Thessalon, July 7-21 (HEK); Toronto, April 14 (DS); Halton Co. Forest, April 27-May 3 (DS); Whitney, July 9 (abundant) (DS).

*Nymphalis antiopa* (Linnaeus)

Ridout Township, July 10 (QFH); Geraldton, June 10 (QFH); Bayfield, July 8 (QFH); Burnley, May 3 (WJDE); Crieff Bog, July 15 (NGE); Marathon, Aug. 31 (NGE); Thessalon, July 7-21 (HEK); Halton Co. Forest, May 3 (DS).

*Euptoieta claudia* (Cramer)

No reports in 1975.

*Speyeria cybele* (Fabricius)

Muldrew Lake, June 29-30 (DES); Willowdale, June 29 (DS); Halton Co. Forest, July 27 (DS); St. Williams, July 5 (WWG); Campbellville, July 12 (WWG); Ridout Township, (fresh), June 30 (QFH); Ridout Township, July 10-11 (several) (QFH); Brown Hill, August 28 (QFH); West Flamborough, June 28 (NGE).

*Speyeria aphrodite* (Fabricius)

Severn Falls, Aug.6 (DES); St. Williams, July 8 (DS);  
Brown Hill, Aug.28 (QFH); Thessalon, July 7-21 (HEK).

*Speyeria atlantis* (Edwards)

Marathon, Aug.31 (NGE); Thessalon, July 7-21 (HEK);  
Latchford, June 24-25 (WWG); Kettle Lakes Prov.Park,  
(Cochrane District), June 25-30 (WWG).

*Boloria eunomia dawsoni* (Barnes & Benjamin)

Opeongo Bog (Algonquin Park), June 29 (WJDE); Driftwood,  
June 9 (1 worn)(QFH); McCoig Township, (several fresh),  
June 21 (QFH).

*Boloria selene atrocotalis* (Huard)

Geraldton, June 20 (QFH); East Flamborough, June 14  
(NGE); Marathon, Aug.17 (NGE); Muldrew Lake, June 29-30  
(DES); Minden, July 1 (DES); Algonquin Park, July 9 (DS);  
Marlbank, July 13 (DS); Cavan Bog, July 20 (DS); Latch-  
ford, June 24-25 (WWG); Kettle Lakes Prov.Park, June 25-  
30 (WWG).

*Boloria bellona toddi* (Holland)

Rockton, May 18 (NGE); East Flamborough, July 3 (NGE);  
Colborne, Aug.18 (WJDE); Geraldton, June 10 (3 fresh)  
(QFH); Geraldton, June 21 (QFH); Brown Hill, Aug.28 (QFH)  
Halton Co.Forest, May 18 (DS); Willowdale, June 29 (DS);  
Langton, July 8 (DS); Marlbank, July 13 (DS); Kettle  
Lakes Prov.Park, (Cochrane District) June 25-30 (WWG).

*Boloria frigga saga* (Staudinger)

Cochrane, June 21 (1 fresh)(QFH); Driftwood, June 9 (2  
worn)(QFH); McCoig Township, June 9 (1 fresh)(QFH).

*Boloria freiya* (Thunberg)

Driftwood, June (1 worn)(QFH); McCoig Township, June 9  
(1 fresh)(QFH); Geraldton, June 10 (1 worn)(QFH).

*Boloria titania grandis* (Barnes & McDunnough)

No reports in 1975.

LIBYTHEIDAE*Libythea bachmanii* (Kirtland)

Point Pelee, August 9 (DS).

LIPHYRIDAE*Feniseca tarquinius* Fabricius

St. Williams, Aug.10 - larvae on Gray Alder (*Alnus rugosa*)  
among woolly aphids (WP); Dundas Valley, Sept,7 (larvae  
collected)(WP).

LYCAENIDAE*Harkenclenus titus* (Fabricius)

St. Williams, July 5 (common) (WWG); Puslinch, June 29 (NGE); Crieff Bog, July 15 (NGE); Bayfield, July 8 (QFH) St. Williams, July 8 (DS).

*Satyrium liparops* (Boisduval & Leconte)

Oakville, July 1-10 (4) (WWG); Campbellville, July 12 (1) (WWG); Freelon, con.X, Wentworth Co., July 1 (common) - eggs hibernating (WP); Colborne, July 12 (WJDE); Willowdale, June 28-29 (DS); Toronto, July 2 (DS).

*Satyrium calanus* (Hübner)

Willowdale, June 29-July 6 (DS); Toronto, July 2 (DS); Muldrew Lake, June 29-30 (56) (DES); Bancroft, July 10 (1) (DES); Campbellville, July 12 (5) (WWG).

*Satyrium caryaevorus* (McDunnough)

Campbellville, July 16 (16) (WWG); female collected at Freelon, eggs hibernating (WP); East Flamborough, July 3 (NGE); Langton, July 8 (DS); Marlbank, July 13 (DS).

*Satyrium edwardsii* (Grote & Robinson)

St. Williams, July 8 (DS).

*Satyrium acadica* (W.H. Edwards)

Willowdale, June 28-July 6 (DS); Puslinch, June 29 (NGE); Crieff Bog, July 15 (NGE); Muldrew Lake, June 29-30 (13) (DES); female collected Freelon, con.X, Wentworth Co., July 7, eggs hibernating (WP); Puslinch, July 4 (WWG); St. Williams, July 5 (WWG).

*Satyrium boreale* (LaFontaine)

Oakville, July 1-10 (6) (WWG); Campbellville, July 12 (7) (WWG).

*Callophrys augustinus* (Westwood)

Twin Lakes (Peterborough County), May 18 (WJDE); Pinery Prov. Park, June 4 (WJDE); Pinery Prov. Park, May 18 female collected - eggs - larvae reared on Bearberry - pupae hibernating (WP); Pinery Prov. Park, May 16-18 (WWG) Cochrane, June 8 (several) (QFH); Driftwood, June 9 (several) (QFH); McCoig Township, June 9 (1) (QFH).

*Callophrys polios* (Cook & Watson)

Pinery Prov. Park, May 16-18 (WWG); Pinery Prov. Park, female collected - eggs - larvae reared on Bearberry - pupae hibernating (WP).

*Callophrys irus* (Godart)

St. Williams, June 3 (WJDE).

*Callophrys henrici* (Grote & Robinson)

No reports in 1975.

*Callophrys niphon* (Hübner)

Pinery Prov.Park, May 18 - female collected - eggs - larvae reared on white pine (*Pinus strobus*) - pupae hibernating (WP).

*Callophrys eryphon* (Boisduval)

No reports in 1975.

*Callophrys gryneus* (Hübner)

Point Pelee, May 24 & August 10 (DS).

*Strymon melinus* Hübner

Point Pelee, August 10 (DS).

*Erora laeta* (W.H.Edwards)

No reports in 1975.

*Lycaena hyllus* (Cramer) - The Bronze Copper

Oakville, Aug.15-25 (WWG); Brown Hill, Aug.28 (QFH); Willowdale, June 21-28 (DS); Presqu'ile Prov.Park, July 14 (DS); Point Pelee, Aug.9 (DS); West Flamborough, June 28 (NGE); Minden, July 1 (DES).

*Lycaena helloides* (Boisduval)

No reports in 1975.

*Lycaena dorcas* Kirby

No reports in 1975.

*Lycaena epixanthe* (Boisduval & Leconte)

Muldrew Lake, June 29-30 (DES); Glen Morris, July 10 (NGE); Copetown Bog, July 8 (DS); Copetown Bog, July 2 1974 - eggs - foodplant is *Vaccinium oxycoccum* or *V. macrocarpon* - adult hatched July 8, 1975 - eggs hibernating (WP).

*Lycaena phleas americana* Harris

Monteith Township (Parry Sound District), Aug.2 (WJDE); Brown Hill, Aug.28 (QFH); St.Williams, July 5 (WWG).

*Glaucopsyche lygdamus couperi* Grote

Kettle Lakes Prov.Park, June 25-30 (36) (WWG); Latchford, June 24-25 (common) (WWG).

*Celastrina argiolus pseudargiolus* (Boisduval & Leconte)

Halton Co.Forest, May 3 (DS); St.Williams, May 14 (DS); Kettle Lakes Prov.Park, June 25-30 (WWG); Beverly, May 18 (NGE); Pelee Island, July 13 (NGE); Campbellville, April 27 (WWG).

*Plebejus argyrognomon* (Bergsträsser)

Heron Bay, Aug.9 (NGE) (possibly melissa?).

*Plebejus melissa* (Edwards)

St. Williams, June 3 (WJDE); St. Williams, June 1-10 (WWG);  
St. Williams, August 2 (WWG).

*Plebejus saepiolus amica* (Edwards)

Algonquin Park, July 9 (DS); Latchford, June 24-25 (WWG)  
(common); Kettle Lakes Prov. Park, June 25-30 (common)  
(WWG).

*Agriades glandon* (Prunner)

No reports in 1975. (Collected in Polar Bear Prov. Park on  
July 30, 1969 - R.O.M. collection).

*Everes comyntas* (Godart)

St. Williams, Aug.2 (WWG); Point Pelee, May 31 & Aug.9  
(DS).

#### PIERIDAE

*Colias philodice* Godart

Common around Colborne early in the season (WJDE); East  
Flamborough, June 14 (NGE); Oakville, Aug.15-25 (4 white  
females) (WWG); Brown Hill, Aug.28 (3 white females) (QFH);  
Tilbury, May 24 (DS).

*Colias eurytheme* Boisduval

Common around Colborne early in the season (WJDE); Point  
Pelee, May 31 & Sept.13 (DS); Oakville, Aug.15-25 (WWG)  
(common); East Flamborough, June 14 (NGE); Marathon,  
28 (NGE); Brown Hill, Aug.28 (common) (QFH).

*Colias interior* Scudder

McCoig Township, June 9 (1 male) (QFH); Latchford, June  
24-25 (1) (WWG); Heron Bay, Aug.9 (1 female) (NGE); May-  
nooth, (Hastings County), June 29 (WJDE); Parry Sound,  
Aug.2 (WJDE); Whitney, July 9 (DS); Kettle Lakes Prov.  
Park, June 25-30 (WWG).

*Colias pelidne* Boisduval & Leconte

No reports in 1975.

*Colias cesonia* Stoll

No reports in 1975.

*Phoebis sennae* (Linnaeus)

No reports in 1975.

*Phoebis philea* (Johansson)

No reports in 1975.

*Eurema lisa* Boisduval & Leconte

No reports in 1975.

*Nathalis iole* Boisduval

No reports in 1975.

*Pieris protodice* Boisduval & Leconte

No reports in 1975.

*Pieris occidentalis* Reakirt

No reports in 1975.

*Pieris napi oleraceae* Harris

Crieff Bog, May 18 (NGE); North of Morristown, June 29 (common) (NGE); Heron Bay, Aug. 9 (NGE); Thessalon, June 13-23 and July 7-21 (HEK); Carlisle (Wentworth Co.), (1 female) Aug. 17 (WP); Geraldton, June 10 (1) (QFH); Brown Hill, Aug. 28 (5) (QFH); St. Williams, Aug. 10 (8) (WWG); Marlbank, July 13 (DS); Burnley (Northumberland Co.), May 19 (WJDE).

*Pieris virginianensis* Edwards

Halton County Forest, May 3-18 (DS); Halton Co. Forest, April 27 (about 300 seen) (WWG).

*Pieris rapae* (Linnaeus)

Hamilton, April 24 (NGE); Brown Hill, Aug. 28 (QFH).

*Euchloe ausonides mayi* Chermock & Chermock

No reports in 1975.

*Euchloe olympia rosa* Edwards

Pinery Prov. Park, May 16-18 (abundant) (WWG); larvae, smaller than 1 cm., on flowers of *Arabis lyrata*, Pinery Prov. Park, May 28 (NGE).

#### PAPILIONIDAE

*Battus philenor* (Linnaeus)

No reports in 1975.

*Papilio polyxenes asterius* Stoll

Oakville, May 25-30 (6) (WWG); Colborne, May 31 (WJDE); larvae on carrots and parsley - Colborne, June 28 (WJDE); Beverly, May 18 (NGE); Puslinch, June 29 (NGE); Tilbury, May 24 (DS); Zurich (Huron Co.), July 8 (QFH); Bayfield, July 8 (QFH); Oakville, Aug. 15-25 (WWG); larvae on *Daucus carota* (common) and 3 larvae on *Cicuta maculata* (water hemlock), Aug. 17 (WP); Tilbury, May 24 (DS).

*Papilio machaon hudsonianus* Clark

No reports in 1975.

*Papilio cresphontes* Cramer

Tilbury and Point Pelee, Aug.2 & 10 (DS); larvae collected at Point Pelee on Ptelea, Sept.13 (DS).

*Papilio glaucus canadensis* Rothschild & Jordan

Cochrane, (10 miles south), June 8 (3)(QFH); McCoig Twp. east of Longlac, June 9 (1)(QFH); Geraldton, June 10 (2)(QFH); McCoig Twp., June 21 (QFH); Thessalon, June 13-23 (HEK); Algonquin Park, July 9 (worn)(DS).

*Papilio glaucus glaucus* Linnaeus

Willowdale, June 228/29 (DS); St. Williams, June 1-10 (6 taken)(WWG); Glenmount, June 1 (abundant)(QFH); June 30 (QFH); St. Williams, July 8 (DS); Tweed, July 13 (DS); Point Pelee, Aug.3 (DS); St. Williams (Norfolk County), larvae on wild cherry, Aug.10 (WP).

*Papilio troilus* Linnaeus

St. Williams, July 8 (DS); Point Pelee, Aug.9 (DS); St. Williams, July 5 (WWG); larvae on sassafras, St. Williams August 10 (WP).

*Graphium marcellus* (Cramer)

No reports in 1975.

## HESPERIOIDEA

HESPERIIDAE*Amblyscirtes hegon* (Scudder)

No reports in 1975.

*Amblyscirtes vialis* (Edwards)

Cochrane, June 8 (QFH); Pinery Prov.Park, May 28 (NGE).

*Atrytonopsis hianna* (Scudder)

Pinery Prov.Park (Lambton Co.), May 28 (NGE).

*Euphyes dion* (Edwards)

Crieff Bog, July 15 (NGE); Willowdale, June 28-July 5 (DS); Freelon (Wentworth Co.), July 4 (RM).

*Euphyes dukesi* (Lindsey)

Chaffey's Locks, July 7 (JCER).

*Euphyes conspicua* (Edwards)

Dundas Valley, July 19 (several specimens)(RM).



*Euphyes bimacula* (Grote & Robinson)

Crieff Bog, June 29 (RM); Willowdale, June 21-29 (DS).

*Euphyes vestris metacomet* (Harris)

Crieff Bog, June 29 and July 15 (NGE); Presqu'ile Prov. Park, July 14 (DS).

*Poanes massasoit* (Scudder)

Glen Morris, July 1 and 7 (NGE); Marlbank, July 13 (DS); Waterloo Co. (Topo. Map - Galt P/8 - ref.520942) - several males, one female (RM).

*Poanes hobomok* (Harris)

Port Credit, June 6 (HEK); Freelton, July 6 and 7 (RM); Marlbank, July 13 (DS); Campbellville, May 24 and June 8 (NGE).

*Poanes zabulon* (Boisduval & LeConte)

No reports in 1975.

*Poanes viator* (Edwards)

Glen Morris, July 1 (NGE); Rockton, July 7 (NGE); Crieff Bog, July 15 (NGE); Waterloo Co. (Galt P/8 - ref.520942) (25 plus) (RM).

*Atrytone delaware* (Edwards)

Crieff Bog, June 29 (2 males) (RM); Dickson Wilderness area (Waterloo Co.), July 1 (several) (RM); Crieff Bog, June 29 and July 15 (NGE).

*Hesperia comma laurentina* (Lyman)

Monteith Twp. (Parry Sound District), Sprucedale, McMurrick Twp. (Parry Sound Dist.), Cache Lake (Algonquin Park), August 2 - butterflies feeding on blossoms of *Solidago graminifolia* and Yarrow (*Achilles millifolium*) (WJDE); Heron Bay, August 9 (NGE).

*Hesperia leonardus* Harris

Byng Inlet (Parry Sound Dist.), July 31 (WJDE).

*Hesperia sassacus* Harris

Campbellville, June 26 (RM); Algonquin Park (East Gate) July 9 (DS); Campbellville, June 8 (NGE).

*Pompeius verna* (Edwards)

Freelton, Conc.X, July 2 - female collected - eggs - larvae reared on grass - second generation in Sept. (WP).

*Wallengrenia otho* (J.E. Smith)

Latchford, June 24-25 (3) (WWG); Willowdale, June 21 (DS); Campbellville, July 1-4 (RM); Puslinch, June 29 (NGE).

*Wallengrenia egeremet* (Scudder)

No reports in 1975.

*Polites coras* (Cramer)

Puslinch, June 29 (NGE); Crieff Bog, July 15 (NGE);  
Shannonville, June 7 (DS).

*Polites themistocles* (Latreille)

Campbellville, June 6-July 4 (RM); Mount Albert, June 15 (DS); Latchford, June 24-25 (WWG); Ancaster, June 7 (NGE); Crieff Bog, July 15 (NGE); Hamilton Twp. (Northumberland Co.), June 15 (WJDE); female collected Freelon, July 2 - larvae reared on grass - second generation in September (WP).

*Polites origenes* (Fabricius)

Crieff Bog, June 29 (RM); female collected Freelon, June 26 - larvae reared on grass - second generation in September (WP).

*Polites mystic* (Edwards)

Wentworth and Waterloo Counties, many dates, June 6 - July 4 (RM); Shannonville, June 7 (DS); Ancaster, June 7 (NGE); East Flamborough, July 3 (NGE); Delaware, (Middlesex Co.), June 6 (WJDE); Colborne, June 22 (WJDE) female collected Freelon, June 26 - larvae reared on grass - second generation in August (WP).

*Thymelicus lineola* (Ochsenheimer)

Colborne, June 21 (first seen), abundant in July as usual (WJDE); Zurich, May 30 (common), July 5 (several) (QFH); Willowdale, June 21 (DS); East Flamborough, June 14 (NGE); Marathon, Aug. 31 (NGE); Latchford area, June 30 (a cloud) (WWG).

*Ancyloxipha numitor* (Fabricius)

East Flamborough, June 14 (NGE); Beverley Swamp, June 7 (RM).

*Carterocephalus palaemon* (Pallas)

Campbellville, June 8 (NGE); Ridout township, June 1 (QFH); Cochrane, June 8 (common) (QFH).

*Pholisora catullus* (Fabricius)

Ridout township, June 1 (QFH).

*Pyrgus centaureae freija* (Warren)

No reports in 1975.

*Pyrgus communis* (Grote)

Point Pelee, September 13 (DS).

*Erynnis icelus* (Scudder & Burgess)

Normandale, May 25 (RM); Dorcas Bay (Bruce County),  
June 16 (RM).

*Erynnis brizo* (Boisduval & LeConte)

St. Williams, May 19 (female) (WP); Algonquin Park (East  
Gate), July 9 (DS).

*Erynnis juvenalis* (Fabricius)

Beverly, May 18 (NGE); St. Williams, May 23 - larvae on  
witchhazel (WP); Oakville, May 25-30 (1) (WWG); St.  
Williams, June 1-10 (12) (WWG); Normandale, May 25  
(common) (RM).

*Erynnis horatius* (Scudder & Burgess)

No reports in 1975.

*Erynnis martialis* (Scudder)

Marlbank, July 13 (DS); St. Williams, May 25 (1) (RM).

*Erynnis lucilius* (Scudder & Burgess)

Halton Co. Forest, July 27 (DS); Crieff Bog, July 15  
(NGE).

*Thorybes bathyllus* (Smith)

No reports in 1975.

*Thorybes pylades* (Scudder)

Willowdale, June 3 (DS); Ridout township, June 1 (QFH);  
Port Credit, June 6 (HEK).

*Thorybes confusis* Bell

No reports in 1975.

*Epargyreus clarus* (Cramer)

Muldrew Lake (Muskoka), June 29 (1) (DES); Hamilton,  
July 5 (WP); S. Williams, July 5 (WWG); Willowdale,  
June 21 (DS).

## HETEROCERA

### SPHINGIDAE

*Haemorrhagia thysbe* Fabricius

Dorset, June 1 (QFH).

*Haemorrhagia diffinis* Boisduval

Dorset, June 1 (QFH).

*Amphion nesus* Cramer

Ridout township, June 1 (4 at lilac) (QFH).

SATURNIIDAE*Actias luna* Linnaeus

Very good population in Kingston - Rideau area (JCER);  
Rideau Lake, April 18 (2 males came to cottage lights  
(Dr.W.R.Henson); no reports from the remainder of  
Ontario.

*Hyalophora columbia* Strecker

Ridout township, June 1 (3 males came to tied females)  
(QFH).

ARCTIIDAE*Ecpantheria scribonia* Stoll

Chaffey's Locks, June 22 (JCER).

NOCTUIDAE (Reported by WP)*Psychomorpha epimenis* Drury

Campbellville (Halton Co.Forest), May 5 (new Ontario  
record?).

*Tarache erastrioides* Guenee

Freelton (conc.X, Wentworth Co.), July 11 (ex larva on  
*Ambrosia artemisiifolia*).

*Acronicta oblinata* Abbot & Smith

St.Williams, September 23 (ex larva on poplar).

*Acronicta vinula* Grote

St.Williams, September 23 (ex larva on white oak).

GEOMETRIDAE (Reported by WP)*Pero honestarius*

Kentucky Hill Park, Dunnville, August 31, female coll-  
ected at U.V. light - reared on *Prunus virginiana*.

*Xanthotype urticaria*

Kentucky Hill Park, Dunnville, August 31, female coll-  
ected at U.V. light - reared on *Prunus virginiana*.

*Scopula inductata* Guenee

Hamilton, June 30, female collected - reared on crown  
vetch (*Coronilla varia*).

*Deilinia erythemaria*

Greenville Conservation Park, Wentworth Co., June 29,  
- female collected - reared on glaucous willow (*Salix*  
*discolor*).

*Cingilia catenaria* Cramer

Copetown Bog, September 1974, female collected - eggs hibernating, reared on *Vaccinium macrocarpon*.

*Ectropis crepuscularia* Denis & Schiffermueller

Campbellville, (Halton Co.Forest), May 5, female collected - reared on *Prunus virginiana* - second generation in July.

*Bapta glomeraria* Grote

Campbellville, (Halton Co.Forest), May 5, female collected - reared on *Prunus virginiana*, pupa hibernating.

Note: Names of authors missing are not available from "The Moth Book" by Holland.

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APPENDIXA) Corrections to previous Summaries and Addenda.*Pieris occidentalis* Reakirt

On page 2 of the 1973 TEA Annual Summary in Occasional Paper # 4 (rev.), *Pieris protodice* is shown as collected at Atikokan. Further investigation shows that, in fact, the specimen from Atikokan is *Pieris occidentalis*. "At Atikokan (northwestern Ontario), on June 24, 1973, Dave Elder (collecting for Quimby Hess), captured a perfect specimen (now in the Hess collection). The only other known record of this species was collected at Lansdowne House (290 miles north of Atikokan) and is in the collection of the Royal Ontario Museum. The identification of the Atikokan specimen was confirmed by Walter Plath Jr.

According to Howe, "Butterflies of North America" page 379, this butterfly ranges eastwards to Manitoba.

*Lethe appalachia* Chermock

In checking his collection recently, Walter Plath Jr., found two specimens of this species collected at Dunnville on July 23, 1958.

*Phoebis philea* (Johansson)

One specimen is in the collection of Quimby F.Hess. It was collected on a rosebush on October 13, 1931 at Zurich, Ontario in Huron County about 40 miles north of London.

*Thorybes bathyllus* (Smith)

This skipper was known in Ontario only from Dunnville. However, Ken Thorne of London has specimens in his collection from Turkey Point on the north shore of Lake Erie. One specimen was collected on June 21, 1963 and another on July 8, 1966.

B) Previous Papers published by the TEA.

- # 1. Checklist of Ontario Skippers and Butterflies and 1969 Seasonal Summary.
- # 2. Contribution to the Knowledge of *Hyalophora columbia* and 1970 Seasonal Summary.
- # 3. Annual Summary of *Rhopalocera* encountered in Ontario in 1971 and "The Occurrence of the Little Sulphur Butterfly (*Eurema lisa*) in Ontario" by Paul M.Catling and "Some Notes on Collecting in the vicinity of Leticia, Colombia in February 1974" by Quimby F.Hess.

# 4-75 (Rev.). Summaries of Rhopalocera Encountered in Ontario in 1972, 1973 and 1974.

# 5. *Pieris virginiensis* Edwards, in Ontario

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