ADDITIONS TO THE CATALOGUE OF BUTTERFLIES AND MOTHS
COLLECTED IN THE NEIGHBOURHOOD OF HALIFAX,
ETC., NOVA SCOTIA.—BY JOSEPH PERRIN, McNab’s
Island, Halifax.

(Read 12 April 1915)

In the Transactions of this Institute, volume xii, part 3
(for 1908-09), Halifax, 1912, pages 258-290, there was pub-
lished a Catalogue of Butterflies and Moths mostly collected
in the neighbourhood of Halifax and Digby, by the present
writer and Mr. John Russell, then of the latter place. Since
1909 the writer has continued collecting these insects, and
has also received specimens and records of captures from
Mr. George E. Sanders, field officer of the Department of
Agriculture, entomological laboratory, Bridgetown, Annapolis
County, N. S., and from Mr. E. Chesley Allen of Yarmouth,
N. S. To those two gentlemen I wish to express my thanks.

In the present supplementary paper there is presented
a list of two Butterflies and sixty Moths which were not
previously reported; with additional remarks on species
before listed, and on such as have been taken at Halifax for
the first time. These notes are arranged in two groups:
(a) species not hitherto reported from Nova Scotia, and (b)
additional notes on species previously reported.

Our previous catalogue contained 60 nominal species
and varieties of Butterflies, and 480 of Moths; total 540.
The present supplement brings the number up to 62 Butter-
flies and 540 Moths, total 602.

The nomenclature and arrangement is that of Dr. Harrison
G. Dyar’s List of North American Lepidoptera (Bulletin
U. S. National Museum, No. 52; Washington, 1902), and his
numbers are prefixed.
All the specimens from McNab’s Island (which is situated in the mouth of Halifax Harbour) were taken by myself; other localities have attached the names of those responsible for the records for those places. As before, doubtful specimens have been referred, as far as possible, to specialists for their opinion.

*Species not hitherto reported from Nova Scotia.*

**Order Lepidoptera.**

**Rhopalocera (Butterflies).**

Superfamily Papilionoidea.

Family Pieridae.


Family Lycaenidae.

432. *Rusticus scudderii* Edw. South East Passage, Halifax County; July 3, 1911, one male; and August 9, 1914, one male and one female. (Perrin).

**Heterocera (Moths).**

Superfamily Sphingoidea.

Family Sphingidae.


Superfamily Bombycoidea.

Family Lithosiidae.


Family Arctiidae.


Family Noctuidae.
Subfamily Noctuinae.


2060. Tricholita signata Walker. MacNab's Is.; August 6, 1911.


2090. X. antennata Walker. Bridgetown; Sept. 17, 1913. (Sanders).

2092. X. grotei Riley. (X. cinerosa Grote.) Bridgetown; Oct. 11, 1913. (Sanders).

2095. X. innominata Smith. Bridgetown. (Sanders).

2102. X. georgii Grote. Bridgetown; Sept. 24, 1913. (Sanders).

2106. X. unimoda Lintner. Bridgetown; Oct. 17, 1913. (Sanders).

——. Hydroecia micacea Esp. Bridgetown; Oct. 10, 1912. (Sanders).

Subfamily Catoceinae.


Subfamily Hypeninae.

3039. *Chytolita morbida*is Guenée. MacNab's Is.; July 8, 1912, at light.

Family Nycteolidae.


Family Lasiocampidae.

3221c. *Malacosoma distria* erosa Stretch. MacNab's Is.; July 8, 1911, at light (Perrin); common at Bridge-town (Sanders).

Family Geometridae.

Subfamily Hydriomeninae.

3352. *Eustroma triangulata*. Deerfield, Yarmouth Co.; July 28, 1913 (Allen)

Subfamily Sterrhinae.


Subfamily Geometriseae.


Subfamily Ennominae.


3898. *Anagoga pulveraria* Linn. MacNab's Is.; July 14, 1907.

3931. *Plagodis phlogosaria* Guenée. MacNab's Is.; July 14, 1914. There is some uncertainty as to the determination of this specimen. It was at first named *Plagodis altruaria* by Dr. Henry Skinner of the Academy of Natural Sciences, Philadelphia, after inspection of the specimen itself. This name does not appear in Dyar's List and possibly is a
new one. Subsequently it was determined as *Plagodis phlogosaria*, Guenée, by Mr. Albert F. Winn of Westmount, Montreal, from a drawing of the specimen.


Family **Eriocraniidae**


Superfamily **Tineoidea**

Family **Pyralidae**

Subfamily **Pyraustinae**


Subfamily **Scopariinae**


Subfamily **Pyralinae**

4511. *Aglossa cuprealis* Hübner. MacNab’s Is.; June 20, 1911.

Subfamily **Scenobitinae**

ADDITIONS TO CATALOGUE OF BUTTERFLIES AND MOTHS

Subfamily Crambinae.

4580. *C. perellus* Scopoli. Yarmouth; August 14, 1911. (Allen).

Subfamily Phycitinae.

4874. *Ephesia kuehniella* Zeller. MacNab’s Is.; Jan. 8, 1915. This pest has only lately been imported into the Island in one of the cereals for family use (Perrin).

Family Pterophoridae.


Family Tortricidae.

Subfamily Olethreutinae.

5031. *Olethreutes nimbatana* Clemens. Bridgetown; Aug. 9, 1912. (Sanders).
5142. *Euocosma otiosana* Clemens. Bridgetown; Aug. 8, 1912. (Sanders).
COLLECTED IN NEIGHBOURHOOD OF HALIFAX, N.S.—PERRIN. 55

Subfamily Tortricidae.

5335. *Cenopis reticulata* Clemens. Bridgetown; Aug. 16, 1912. (Sanders).

5382. *Platynota flavedana* Clemens. MacNab’s Is.; July 7, 1911.


5406. *Tortrix fumiferana* Clemens. MacNab’s Is.; July 7, 1911; at light.

Family Cepheidae.


Additional notes on species previously reported.

Family Noctuidae.


1053. *Harrisiemnna trisignata* Walk. One specimen, MacNab’s Is.; July 9, 1912.

1067. *Chytonix palliatricula* Guenée. Reported by J. Russell as very common at Digby; but only one specimen has been taken at MacNab’s Is., July 11, 1911, in sixteen years of collecting.

Family Geometridae.

3331. *Venusia comptaria* Walk. Only four specimens of this pretty little moth were taken by J. Russell at Digby, the last being captured on July 20, 1908. Four years later one specimen was collected at MacNab’s Is.; July 18, 1912.

3370. *Percnoptilota fluviata* Hübn. Several forms were taken at light on MacNab’s Is., in July, 1912.
3390. *Hydriomena taniata* Stephens. The moth so named by us has been redetermined *Larentia [Hydriomena] basaliata* Walk., by Mr. A. F. Winn of Montreal from a specimen taken by me at MacNab's Is., August 14, 1914. Mr. Winn says that *H. taniata* is European, and has not as yet been taken on this side. Dyer considered *H. basaliata* Walk., as a synonym of *H. taniata* Stephens. It is merely a question as to the two forms being distinct.


Family *Sesiidae*.

4191. *Bembeccia marginata* Harris. This species has also been taken at Yarmouth by Mr. E. C. Allen, August 29, 1912.