ADDITIONS TO THE MACROLEPIDOPTERA OF NOVA SCOTIA

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A list is presented of 23 species of Macrolepidoptera collected since the publication of “The Lepidoptera of Nova Scotia: Part 1 (Macrolepidoptera)” by Ferguson (1955). Localities, dates of capture, collectors, sexes, locations of specimens, and other relevant data are given.

Introduction

Since the publication of “The Lepidoptera of Nova Scotia” (Ferguson 1955), extensive field work by collectors in the province has added considerable information to our knowledge of these forms. As a result, new provincial records have been obtained, expanding the known distribution of many species occurring in northeastern North America.

Collecting in the past 20 years has been conducted throughout the province, especially in those areas which have not received sufficient entomological attention in the past. These areas have included Digby and Yarmouth Counties, the northeastern portion of Halifax County, and the central area of Cape Breton Island. As a result, the total number of Macrolepidoptera species listed for the province is now 859, an increase of 23 species over the 836 listed by Ferguson (1955).

The species are arranged here according to McDunnough (1938), using the taxonomy proposed by Forbes (1954) and various other authors. Localities, dates of collection, collectors, sexes of the specimens, and any other relevant information are given. Specimens are located in the Nova Scotia Museum (NSM), Canadian National Collection (CNC), United States National Museum (USNM), American Museum of Natural History (AMNH), James Edsall Collection (JEC), and the Kenneth Neil Collection (KNC).

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Nymphalidae

Nymphalis urticae (L.)

Lycaenidae

Callophysris (Incisalia) lanoraieensis Sheppard

An additional record is cited by the Forest Insect Survey (McGugan 1958) as having been taken in Lunenburg Co., but the exact locality and date of capture are not given.
Hesperiidae

*Thymelicus lineola* (Ochs.)
First collected in 1966 along a railway siding in the west end of Halifax. This species has since become abundant throughout the entire Halifax area. Also seen in the Annapolis Valley and in Sydney Mines (Eberlie 1978). Flight dates from 27 June to 10 August.

Sphingidae

*Sphinx canadensis* Bvd.

*Darapsa myron* (Cram.)
Greenwood, Kings Co., B. Wright. The specimen was determined by B. Wright shortly after which it was deposited in the USNM. Date of capture and sex of the specimen not known. It is believed that this specimen came from Winnipeg by military aircraft.

Noctuidae

*Agrotis* sp.
Sable Island. Flight dates from 14 June to 25 July. Specimens from Sable Island resemble *A. stigmosa* Morr. but appears to be a distinct species.

*Noctua speciosa mixta* (Wlk.)


*Lithophane innominata* (Smith), normal form.


*Oligia* sp.


This species, previously determined as *O. tonsa* Grote is currently being described as a new species by J.G. Franglemont of Cornell University.

*Papaipema* sp.
Sable Island, 10 September 1977, B. Wright. (AMNH). 1 male.

Currently being described by F. Quinter for a future volume of *The Moths of America North of Mexico*.

*Hypocoena rufostrigata* Pack.

*Conidia cupentina* (Cram.)
A southern species sometimes straying north in autumn. Determinations made by D.C. Ferguson.

*Platysenta sutor* (Gn.)

*Spodoptera exigua* (Hbn.)

*Magusa orbifera* (Wlk.)

*Bellura diffusa* (Grt.)

*Trichoplusia oxygramma* (Hbn.)

*Thysania zenobia* (Cram.)
Dartmouth, Halifax Co., late summer or early autumn of 1944, C. Eisner. (NSM). 1 male.

*Hypocala andremona* (Cram.)

*Dispyralis nigellus* Stkr.
Pleasant River, Queens Co., 3 August 1968, B. Wright. (NSM). 1 male.

**Liparidae**

*Orgyia leucostigma* ssp.
Sable Island. Flight dates from 3 August to 11 September.

This recently discovered subspecies is quite different from the mainland *O. leucostigma plagiata* (Wlk.) and is being described by K. Neil.

**Geometridae**

*Chlorchlysistis rectangulata* (L.)

Middle River, Victoria Co., 27 July 1970, D.C. Ferguson and B. Wright. 2 males, 1 female in NSM. 3 remaining specimens in USNM; sex unknown. (Ferguson 1972).


_Eulythis mellinata_ (F.)


References


