

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.)

Halifax, Halifax Co., 7 November 1970, F. Scott. (NSM). 1 male. Collected after the specimen had flown from a crate shipped from Oxford, England, on 23 August 1970 (Scott & Wright 1972).

Lycaenidae

Callophrys (Incisalia) lanoraieensis Sheppard

Gold River, Lunenburg Co., 27 April 1969, P. Ward. (NSM). 1 female.

Bridgewater, Lunenburg Co., 11 May 1969, B. Wright. (NSM). 1 female.

Gold River, Lunenburg Co., 9 June 1969, J. Edsall. (JEC). 1 male and 1 female.

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.

Armdale, Halifax Co., 7 July 1976, K. Neil. (KNC). 1 male.

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 (Wik.)

Bog near Baddeck, Victoria Co., 30 July 1970, D.C. Ferguson and B. Wright. (NSM). 7 females.

Near Baddeck Bridge, Baddeck River, Victoria Co., 7 August 1970, D.C. Ferguson and B. Wright. (NSM). 1 female.

Lithophane innominata (Smith), normal form.

Armdale, Halifax Co., 30 April 1971, J. Edsall. (JEC). 1 male.

Armdale, Halifax Co., 27 October 1971, J. Edsall. (JEC). 1 male.

Armdale, Halifax Co., 10 May 1974, K. Neil. (KNC). 1 male.

Armdale, Halifax Co., 19 May 1974, K. Neil. (KNC). 1 male.

Oligia sp.

Coldbrook, Kings Co., 21 July 1971, K. Neil. (KNC). 1 male.

Killag Road, Halifax Co., 27 July 1972, J. Edsall. (JEC). 2 males.

Armdale, Halifax Co., 27 July 1972, K. Neil. (KNC). 1 female.

This species, previously determined as *O. tonsa* Grote is currently being described as a new species by J.G. Franclemont 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 rufostriata Pack.

Belliveau Cove, Digby Co., 3 August 1974, K. Neil. (KNC). 1 male.

Condica cupentia (Cram.)

Point Pleasant Park, Halifax, Halifax Co., 13 October 1954, D.C. Ferguson. (NSM). 2 males.

A southern species sometimes straying north in autumn. Determinations made by D.C. Ferguson.

Platysenta sutor (Gn.)

Lake Kejimikujik, Queens Co., 17 September 1957, D.C. Ferguson. (NSM). 2 males.

Armdale, Halifax Co., 26 September 1975, K. Neil. (KNC). 1 male.

Spodoptera exigua (Hbn.)

Armdale, Halifax Co., 4 October 1971, K. Neil. (KNC). 2 males.

Magusa orbifera (Wlk.)

Debert, Colchester Co., 4 September 1957, W. Harrington. (NSM). 1 male.

Bellura diffusa (Grt.)

Truro, Colchester Co., 14 July 1969, K. Neil. (NSM). 1 male.

Halfway Brook, 3 mi. N. of Sheet Harbour, Halifax Co., 7 July 1972, J. Edsall. (JEC). 1 male.

Halfway Brook, 3 mi. N. of Sheet Harbour, Halifax Co., 23 July 1972, J. Edsall. (JEC). 2 males, 1 female.

Trichoplusia oxygramma (Hbn.)

Halfway Brook, 3 mi. N. of Sheet Harbour, Halifax Co., 11 August 1973, K. Neil. (KNC). 1 male.

Thysania zenobia (Cram.)

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

Hypocala andremona (Cram.)

Debert, Colchester Co., 18 September 1957, W. Harrington. (CNC). Sex of specimen unknown.

Dyspyralis nigellus Stkr.

Lake Kejimikujik, Queens Co., 20 July 1957, D.C. Ferguson. (NSM). 2 males.

Lake Kejimikujik, Queens Co., 22 July 1957, D.C. Ferguson. (NSM). 1 male.

Lake Kejimikujik, Queens Co., 14 July 1961, D.C. Ferguson. (NSM). 1 male.

Lake Kejimikujik, Queens Co., 15 July 1961, D.C. Ferguson. (NSM). 1 male.

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* (Wik.) and is being described by K. Neil.

Geometridae

Chlorchlystis rectangulata (L.)

Smiley's Brook Provincial Park, near Brooklyn, Hants Co., 20 July 1970, D.C. Ferguson and B. Wright. (USNM). 1 specimen, sex unknown. (Ferguson 1972).

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).

Baddeck River, near Baddeck Bridge, Victoria Co., 29 July 1970, D.C. Ferguson and B. Wright. 1 male in NSM, 1 specimen in USNM; sex unknown. (Ferguson 1972).

Smiley's Brook Provincial Park, near Brooklyn, Hants Co., 23 July 1972, D.C. Ferguson. (USNM). 1 female.

Sheet Harbour, Halifax Co., 16 July 1973, J. Edsall. (KNC). 1 male.

Armdale, Halifax Co., 23 July 1974, K. Neil. (KNC). 1 female.

Armdale, Halifax Co., 13 July 1975, K. Neil. (KNC). 1 male.

Eulythis mellinata (F.)

Armdale, Halifax Co., 31 July 1972, J. Edsall. (NSM). 1 female.

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