

# THE OTTAWA NATURALIST

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### FAUNA OTTAWAENSIS.

ORDER LEPIDOPTERA: SUPERFAMILY GEOMETROIDEA.

## By ARTHUR GIBSON.

As a contribution towards the preparation of the Catalogue of the Insects of Canada and Newfoundland, which was recently outlined in The Canadian Entomologist and The Ottawa Naturalist, the following list of the Geometridæ which have been found in the Ottawa district is presented. It has taken a considerable number of years to collect the species here recorded, and the list is, I think, a fairly complete one of these insects which occur in this neighborhood. The late Dr. James Fletcher collected many of the specimens and much material has been gathered together by Mr. C. H. Young, of the Geological Survey Department, who collected extensively at Meach Lake. To the Rev. G. W. Taylor we are indebted for the determination of many of the species. Recently the writer has received help in the identification of certain species from Mr. John A. Grossbeck, of the American Museum of Natural History, New York, and Mr. A. F. Winn, of Montreal.

FAMILY GEOMETRIDÆ.

Subfamily Hydriomeninæ.

Dyspteris abortivaria H.-S. 28 May, 1901, (Young); 3 June, 1903, (Fletcher).

Nyctobia limitaria Walk. 25 April, 1901; 28 April, 12, 13 May, 1906; 16, 18 May, 1905, (Young); 26 May, 1899, (Gibson); 4 June, 1906, (Fletcher), 24, 30, 31 May, 1 June, 1906, (Taylor).

Nyctobia viridata Pack. 17 May, 1906, (Young); 23 May, 1903,

(Gibson); 4 June, 1906, (Fletcher).

Cladora atroliturata Walk. Bred 9 April, 1906; 10 May, 1901, (Gibson); 18 June, 1906, (Fletcher).

Rachela bruceata Hulst. 2 Oct., 1900; 4 Nov. 1905, (Gibson).

Alsophila pometaria Harr. 3 Nov., 1900, (Gibson).

Eudule mendica Walk. 24 June, 1899, 29 June, 1906; 13 July, 1907, (Gibson).

Talledega montanata Pack. 12 May, 1901, (Young).

Talledega tabulata Hulst. 12 May, 1901, (Young); 19 May, 1904,

(Gibson), 30 May, 1 June, 1906, (Taylor).

Nannia refusata Walk. 10 June, 1908, (Letourneau).

Heterophleps triguttaria H.-S. 17 June, 1899, (Young); 11 July, 1907, (Gibson); 13 July, 1905, (Fletcher).

Eupithecia luteata Pack. 19 April, 1905, (Young).

Eupithecia palpata Pack. 25 May, 1905, (Fletcher); 3 June, 1906, (Gibson); 10 June, 1906, (Young).

Eupithecia ornata Hulst. 24 April, 4 May, 1906, (Young).

Eupithecia interruptofasciata Pack. Larvæ found on Juniperus communis L., moths emerged Sept. 7, 1904, (Gibson).

Eupithecia albicapitata Pack. 5 June, 1904, (Young). Eupithecia latipennis Hulst. 4 June, 1887; 9, 19 June, 1906; 20 June, 1905; 27 June, 1907, (Fletcher); 14 June, 1906; 23 June, 1908, (Gibson); 15 June, 1906, (Young), 1 June, 1906, (Taylor).

Eupithecia plumbaria Hulst, 24 May, 1906, (Taylor).

Eupithecia gibsonata Taylor. 9 June, 1903, (Young).

Eupithecia grata Taylor. 5 June, 1906, (Young).

Eupithecia fasciata Taylor. 28 June, 1906, (Gibson). Eupithecia fumata Taylor. 9 June, 1906, (Young).

Eupithecia packardata Taylor. 7 Aug., 1906, (Young).

Eupithecia fumosa Hulst. A single specimen taken by Dr. Fletcher on 3 June, 1904, was named fumosa? by Rev. G. W. Taylor.

Eupithecia coagulata Gn. 19 May, 1905; 23 June, 1908, (Gibson).

Eupithecia casloata Dyar. 5 Aug., 1905, (Young).

Eupithecia youngata Taylor. 7 June, 20 July, 1905, (Young).

Eupithecia fletcherata Taylor. 3 Aug., 10 Sept., 1906, (Young). Eupithecia raveocostaliata Pack. 17 May, 1904, (Young).

Eucymatoge intestinata Gn. 16 May, 3 June, 1903; 26 May, 1904; 23 June, 1905; 3 July, 1906, (Fletcher); 10 June, 1904. (Young); 2 June, 1906, (Taylor).

Euchoeca inornata Hulst. 29 April, 1903, (Young); 22 May, 1900, (Gibson).

Euchoeca comptaria Walk. 1, 11, 12 May, 1899, (Gibson); 16 May, 1900; 18 May, 1905; 4 June, 1906, (Fletcher); 29 June, 1903, (Young).

Trichodezia albovittata Gn. 26 May, 1 June, 1906, (Taylor),

29 June, 1904, (Young); 9 Aug., 1904, (Gibson).

Trichodezia albifera Walk. 13 June, 1907, (Gibson); 29 June, 1905; 13 Aug., 1906, (Young).

Epirrita dilutata D. & S. 23 Sept., 3 Oct., 1905, (Young).

Hydria undulata L. Reared from cherry 3-15 June, 1904, (Gibson); 26 June, 1900, (Young).

Eustroma diversilineata Hbn. Emerged 13, 16 June, 1900; 14 Aug., 1900; 14 Aug., 1903, (Gibson); 14 Aug., 1900, (Young); 12 Aug., 1904, (Fletcher).

Eustroma populata L. 9, 18 July, 1905, (Young).

Neolexia xylina Hulst. 18 July, 1904; 19 July, 1906, (Young). Rheumaptera hastata L. 18 May, 1903, (Young); 24 May, 2 June,

(Taylor), 26 June, 1906, (Gibson).

Rheumaptera sociata Bork. 30 May, 4 June, 1906; 14 June, 1907; 16 Aug., 1904, (Fletcher); 4, 25 June, 1906; 14 June, 15 July, 1907; 9 Aug., 1904, (Gibson).

Rheumaptera georgii Hulst. 21 July, 1906, (Young).

Percnoptilota fluviata Hbn. 28 July, 1908; 16 Aug., 22 Sept., 1900, (Gibson); 15 Aug., 1899; 18 Aug., 1900, (Young).

Entephria aurata Pack. 27 June, 1903, (Young).

Mesoleuca ruficillata Gn. 29 May, 3 June, 1899, (Gibson); 31 May, 1899, (Young); 1 June, 1906, (Taylor), 5 June, 1908, (Fletcher).

Mesoleuca lacustrata Gn. 27 May, 1900, (Young); 1 June, 1906, (Taylor), 9 June, 1906; 24 June, 1905; 24 June, 6, 11 July, 1907, (Gibson); 14 June, 1907; 1 July, 1906, (Fletcher).

Mesoleuca intermediata Gn. 18 May, 19 July, 1904; 10 June, 1901, (Young); 14 June, 1899, (Gibson); 17 Aug., 1906, (Fletcher).

Mesoleuca truncata Hfn. 30 July, 1903, (Young).

Mesoleuca silaceata Hbn. 28 May, 1900, (Gibson); 2 June, 1898; 27 July, 3 Sept., 1904; 12 Aug., 1903, (Young); 16 Aug., 1905, (Fletcher).

Mesoleuca hersiliata Gn. 12 June, 1908, (Fletcher); 25 June,

1899, (Gibson); 1 July, 1903, (Young).

Mesoleuca vasiliata Gn. 18, 28 April, 9, 15, 29 May, 1899, (Gibson); 20 April, 1900, (Young); 26 May, 1906, (Taylor).

Hydriomena autumnalis Strom. 28 May, 1900, (Young); 1 June, 1906, (Taylor), 3 June, 1908; 12 July, 1906, (Fletcher); 19 June, 1908, (Gibson).

Hydriomena basaliata Walk. 16 July, 1905; 17 July, 1904,

(Young); 20 July, 1905, (Gibson).

Hydriomena contractata Pack. 10 Sept., 1901, (Fletcher).

Hydriomena latirupta Walk. 21 April, 1902, (Young); 30 Sept., 1900, (Gibson).

Hydriomena multiferata Walk. June.

Triphosa indubitata Grt. 24 April, 21 Sept., 1900, (Young); 25 Oct., 1900, (Gibson); 31 May, 1906, (Taylor).

Canocalpe magnoliata Gn. 1 June, 1906, (Taylor), 3 June, 1899; 10 June, 1903; 20 Aug., 1904, (Gibson); 5, 6, 8 June, 1906, (Fletcher); 10 June, 1908, (Letourneau).

Canocalpe gibbocostata Walk. No date, (Fletcher). The species

flies in early September.

Gypsochroa designata Hfn. 29 May, 9 June, 1899; 4 June, 1906; 20 Aug., 1904, (Gibson); 14 June, 1907, (Fletcher); 28 July, 1903, (Young).

Xanthorhoe ferrugata Clk. 13, 16 May, 1905; 4, 8, 9, 14, 21 June, 1906, (Fletcher); 27 May, 1900, (Young); 3 June, 1904;

23 July, 1899; 8 Sept., 1907, (Gibson).

Xanthorhoe planata Taylor. 19, 20, 30 June, 1904; 3 July, 1905, (Young).

Subfamily Monocteniinæ.

Hæmatopsis grataria Fab. 31 May, 16 Aug., 1900, (Young); 15 Aug., 1907; 16 Aug., 1900; 30 Sept., 1900, (Gibson). Subfamily Sterrhinæ.

Deptalia insulsaria Gn. 2 July, 1905; 18 Aug., 1906, (Young). Cosymbia lumenaria Hbn. 22 July, 1905; 28 July, 1902, (Young); 16 Aug., 1904, (Gibson).

Synelys ennucleata Gn. 9 June, 1904, (Gibson); 26 June, 1 July,

1904, (Young); 12 July, 1906, (Fletcher).

Leptomeris quinquelinearia Pack. 8 June, 1903; 5 July, 1905, (Young).

Eois inductata Gn. 13 June, 1903, (Young); 14 June, 1899, (Gibson); 18 June, 1906, (Fletcher).

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# Subfamily Geometrinæ.

Chlorochlamys chloroleucaria Gn. 12 June, 1901; 14 June, 1899; 16 Aug., 1900, 28 July, 1908, (Gibson); 28 Aug., 1908, (Fletcher). Slender green larva found on Solidago canadensis.

Nemoria pistaceata Gn. 25 May, 1901; 30 May, 1903, (Gibson); 28 May, 1904, (Young).

Nemoria subcroceata Walk. 8 June, 1907, (Gibson).

Eucrostes incertata Walk. 14 May, 1904, (Young); 21 May, 1904, (Gibson).

Synchlora ærata Fab. 24 July, 1902, (Young).

Aplodes mimosaria Gn. 29 April, 8 June, 1906; 18 June, 1907, (Fletcher); 24 May, 1900, (Young).

Aplodes rubrifrontaria Pack. 5 June, 1906, (Young).

Anaplodes rubromarginaria Pack. 8 June, 1906; 8 June, 1907, (Fletcher). Mr. Young has also taken the species.

Anaplodes remotaria Walk. 19 Aug., 1902, (Young).

# Subfamily Ennominæ.

Epelis truncataria Walk. 18 May, 1898, (Young); 25 May, 1903, (Gibson); 8 June, 1903, (Fletcher).

Epelis faxonii Minot. 8 June, 1903, (Fletcher); 20 June, 1908,

(Gibson).

Eufidonia notataria Walk. 30 May, 1901; 9 June, 1908, (Gibson); 8 June, 1903, (Fletcher); 18 June, 1902, (Young); 26 June, 1904, (Metcalfe).

Orthofidonia exornata Walk. 1 June, 1906, (Taylor), 25 June, 1906, (Young).

Orthofidonia semiciarata Walk. 6 May, 1899, (Young); 30 May, 1908; 9 June, 1900, (Gibson); 14 June, 1907, (Fletcher).

Orthofidonia vestaliata Gn. 24 May, 1906, (Taylor), 30 May, 1908; 9 June, 1906, (Gibson).

Psysostegania pustularia Gn. 13 July, 1905, 10 Aug., 1906,

(Fletcher); 19 July, 1903, (Young).

Gueneria basiaria Walk. 16 May, 1905, (Young); 31 May, 9 June, 1900; 14 June, 1907; 6 July, 1905, (Gibson); 4, 8 June, 1906; 13, 14 June, 1907, (Fletcher).

Deilinia variolaria Gn. 6 June, 1901; 12 July, 1904, (Young); 4 June, 1908, (Letourneau); 22 June, 1906, (Fletcher);

25 June, 1906, (Gibson).

Deilinia erythemaria Gn. 21 May, 22 July, 1904, (Young); 4 June, 1906, (Fletcher).

Deilinia liberaria Walk. 6 Sept., 1902, (Young).

Sciagraphia granitata Gn. 10 May, 12 July, 1906; 29 May, 1896; 3 June, 1899; 2, 9 June, 1906; 16, 27 June, 1907; 13 Aug.,

1904, (Gibson); 27 May, 1903; 1 June, 1901, (Young);

8 June, 1903, (Fletcher); 21 May, 1908, (Letourneau).

Sciagraphia neptaria Gn. 1 June, 1905, (Young).

Sciagraphia continuata Walk. 23 July, 1900, (Gibson). Sciagraphia atrofasciata Pack. 26 Aug., 1907, (Letourneau). Sciagraphia mellistrigata Grt. 3 June, 1903, (Fletcher); 22 July,

1899, (Young).

Macaria labradoriata Moesch. 12 Aug., 1904, (Fletcher). Mr. Grossbeck, who examined this specimen, reported: "This species was described from a male and female from southern Labrador in 1883, and to my knowledge has never been rediscovered since. Your specimen is large for the species but otherwise fits Moeschler's description exactly."

Macaria bisignata Walk. 2, 3 July, 1906, (Fletcher).

Macaria glomeraria Grt. 29 April, 17 May, 1903, (Young).

Diastictis hulstiaria Taylor. 12 May, 1903, (Gibson). Diastictis virginalis Hulst. 29 June, 1904, (Young).

Diastictis ribearia Fitch. Emerged 2 July, 1903, (Gibson);

19 July, 1903, (Young).

Diastictis sulphurea Pack. 12 July, 1902, (Young). Diastictis brunneata Thunb. 6 July, 1903, (Young). Diastictis inceptaria Walk. 23 July, 1900, (Gibson).

Diastictis evagaria Hulst. 8 June, 1903, (Young).

Diastictis subcessaria Walk. 20 July, 1905, (Gibson); 6 Aug.,

1903, (Young).

Diastictis latiferrugata Walk. Larva on Prunus pennsylvanica, moth emerged 11 Aug., 1906, (Fletcher).

Diastictis inquinaria Hulst. 8 July, 1903, (Young).

Homochlodes fritillaria Gn. 21 May, 1904, (Young); 27 May, 1901; 19 June, 1907, (Gibson); 31 May, 1 June, 1906,

(Taylor), 3 June, 1903; 19 June, 1907, (Fletcher).

Apæcasia detersata Gn. 10 May, 1904; 23 May, 1908; 13, 14 June, 1907, (Gibson); 14 May, 1904; 27 May, 1905, (Young); 9 June, 1906, (Fletcher).

Apæcasia defluata Walk. 16 May, 1900, (Young); 25 May, 1903; 27 May, 1901; 19 June, 1907, (Gibson); 1 June,

(Fletcher).

Caripeta divisata Walk. 25 July, 1902, (Young).

Nepytia semiclusaria Walk. 30 Aug., 1899, (Young); 7 Sept.,

1908, (Letourneau).

Alcis guttata Hulst. 20 June, 1894, (Fletcher). This specimen was so named by Mr. Grossbeck. In reporting upon it he says: "The species which I am quite certain is the one described by Hulst as Alcis guttata is very interesting. I was never quite certain that the two specimens on which the name was based really came from New York and Pennsylvania as Hulst said. They had a decidedly European aspect. The receipt of your specimen now seems to indicate, however, that the types were caught in this country."

Paraphia subatomaria Wood. 10 July, 1903, (Young); 20 Aug.,

1906, (Gibson).

Spodolepis substriaria Hulst. 4 May, 1906, (Young).

Selidosema humaria Gn. 1 July, 1905; 21 July, 1903, (Young).

Cleora pampinaria Gn. 1 June, 1905 (Young). Cleora takenaria Pears. 20 July, 1905, (Gibson); 28 June, 1905; 16 July, 1903, (Young); 24 July, 1905, (Fletcher).

Melanolophia canadaria Gn. 5 May, 1902; 17 May, 1905; 4, 8, June, 1906; 18 June, 1907, (Fletcher); 17, 18 May, 1905; 8 June, 1906; 12 June, 1899; 18 June, 1907, (Gibson); 7 June, 1903, (Young).

Æthaloptera anticaria Walk. 11 May, 17 June, 1905, (Young),

2 June, 1906, (Taylor), 4 June, 1906, (Fletcher).

Ectropis crepuscularia D. & S. 10 May, 1911; 2, 4 June, 1899; 20 Aug., 1904, (Gibson); 17 May, 1906; 25 July, 1903, (Young), 31 May, 1 June, 1906, (Taylor).

Lycia ursaria Walk. 13 April, 1902; 29 April, 13 May, 1903,

(Gibson).

Lycia cognataria Gn. 8, 12 June, 1899, 18 June, 1904, (Gibson). Nacophora quernaria S. & A. 20 June, 1906, (Young).

Paleacrita vernata Peck. 16, 20 April, (Gibson); 26 April, 1905, (Young).

Phigalia titea Cram. 20, 21 April, 1899, (Gibson).

Erannis tiliaria Harr. 8 Oct., 1900; 11-20 Oct., 1911; (Gibson); 14 Oct., 1899, (Young).

Cingilia catenaria Dru. 7 Sept., 1902, (Young); 26 Sept., 1899; (Gibson).

Cingilia rubiferaria Swett. 1 Oct., 1902, (Gibson).

Anagoga pulveraria Linn. 17 May, 1903; 24 May, 1906, (Young); 30 May, 1906, (Gibson); 14 June, 1907, (Fletcher).

Sicya macularia Harr. 10 July, 1904, (Young); 20 July, 1905, (Gibson).

Therina endropiaria G. & R. 18 May, (Fletcher); 8 June, 1903; (Gibson); 9 June, 1903, (Young).

Therina athasiaria Walk. 17 June, 1906, (Young).

Therina fiscellaria Gn. 28 Aug., 1904; 3 Sept., 1903; 7 Sept., 1901, (Young); 22 Aug., 6 Sept., 1905; 12 Sept., 1908, (Gibson); 19 Sept., 1907, (Fletcher).

Metrocampa perlata Gn. 17 June, 24 Aug., 1903, (Young); 20

Aug., 1904; 12 Sept., 1903, (Gibson).

Eugonobapta nivosaria Gn. 7 July, 1902, (Young).

Ennomos subsignarius Hbn. 14 July, 1899; 24, 25 July, 1908,

(Gibson); 1 Aug., 1906, (Fletcher).

Ennomos magnarius Gn. Em. 9, 15 July, 1904; 7 Sept., 1900; 15, 23 Sept., 1903; 23 Sept., 1899, (Gibson); 4 Sept., 1900, (Young); 24 Sept., 1907, (Fletcher).

Xanthotype crocataria Fab. 27 June, 1906; 6 July, 1905, (Fletcher); 28 June, 1899; 12 July, 1900, (Young); 6 July,

1905; 7 July, 1906, (Gibson).

Plagodis serinaria H-S. 18 May, 1903, (Young); 18 May, 1904, (Gibson); 18 May, 1905, (Fletcher), 26 May, 1906, (Taylor).

Plagodis keutzingi Grt. 26, 31 May, 1906, (Taylor), 2 June, 1902, (Young).

Plagodis alcoolaria Gn. 17 May, 1903, (Young.) Plagodis keutzingaria Pack. 24 May, (Gibson).

Plagodis phlogosaria Gn. 14 July, 1899; 20 July, 1905, (Gibson); 24 July, 1902, (Young).

Hyperitis amicaria H.-S. 26, 31 May, 1906, (Taylor); 27 May,

1900, (Young).

Ania limbata Haw. 18 July, 1906; 13 July, 1900; 20 July, 1905; 31 Aug., 1899, (Gibson); 19 July, 1903, (Young).

Gonodontis hypochraria H.-S. 28 May, 1899, (Young); 2, 5 June, 1899; 12 June, 1904, (Gibson); 3, 8 June, 1903, (Fletcher).

Gonodontis duaria Gn. 29 May, 1901; 25 May, 1903, (Gibson); 31 May, 1900; 13 June, 1906, (Young).

Gonodontis obfirmaria Hbn. 30 May, 1901; 25 May, 1903, (Gibson); 18 June, 1902, (Young).

Euchlaena obtusaria Hbn. 25 June, 1900, (Young).

Euchlaena effectaria Walk. 28 June, 1904, (Young).

Euchlaena johnsonaria Fitch. 6 July, 1905, (Gibson).

Euchlaena astylusaria Walk. 18 June, 1903, (Young). Euchlaena pectinaria D. & S. 6, 20 June, 1901, (Gibson).

Euchlaena sirenaria Strk. 8 June, 1903, (Young). When determining this specimen, Mr. Taylor reported: "May be only a variety of pectinaria but it is very different in apperance to our western form."

Eutrapela alciphearia Walk. 24 May, 1906, (Young.)

Eutrapela hentaria Grt. 24 May, 1906, (Young).

Metanema inatomaria Gn. 29 May, 1905, (Fletcher); 6 July, 1903, (Young); 20 July, 1905, (Gibson).

Metanema determinata Walk. 30 June, 1903, (Young).

Priocycla armataria H.-S. 24 June, 1900, (Young).

Pero honestarius Walk. 31 May, 1902, 10 Aug., 1900, (Young); 5 June, 1906, (Fletcher); 3, 22 June, 1906, (Gibson).

Caberodes confusaria Hbn. 7 July, 1902, (Young); 6 July, 1905, (Fletcher); 14, 24 July, 1899; 20 Aug., 1904, (Gibson).

Caberodes majoraria Gn. 7 June, 1903, (Young).
Tetracis crocallata Gn. 25 May, 1906, (Taylor), 3 June, 1903, (Fletcher); 3 June, 1899, (Young).

Sabulodes arcasaria Walk. 27 May, 1901, (Gibson); 10 June,

1904, (Young).

Sabulodes lorata Grt. 3 June, 1903; 12 June, 1904; 9 June, 1908, (Fletcher); 5 June, 1903, (Gibson); 10 June, 1900, (Young).

Sabulodes transversata Dru. 7 July, 1903, (Young); 5 Aug., 1899; 14 Aug., 1903; 18 Aug., 1904, (Gibson); 9 Aug., 1906; 12 Aug., 1904, (Fletcher); 26 Aug., 1907, (Baldwin).

Abbotana clemataria S. & A. No date, (Fletcher).

Family BREPHIDÆ.

Brephos infans Moesch. 29 April, 1900, (Young); April, 2 May, 1896, (Fletcher).

# PLANTS CAUSING SKIN IRRITATIONS.

The susceptibility of different individuals towards irritant juices of certain plants may be as different as the individuals themselves. That is to say, the juices of some plants may cause serious Dermatitis in a number of people, while others may not be affected in the slightest degree. Curiously enough all people alike seem to be affected by the sting of the common nettles; while the most common of all skin irritating plants, Poison Ivy, does not seem to affect all persons; even those susceptible may be affected in varying degrees. This peculiar tendency may be termed idiosyncrasy. Some persons cannot partake of strawberries, asparagus and other fruits or vegetables without their being troubled by Urticaria or like skin rashes. This is their idiosyncrasy, their peculiarity of constitution.



Gibson, Arthur. 1911. "Fauna Ottawaenis. Order Lepidoptera: Superfamily Geometroidea." *The Ottawa naturalist* 25(7-8), 105–112.

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