

LEPIDOPTERA OF THE FORMER LLOYD LOHR FARM, 1999-2001 – 2012 UPDATE

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The present paper incorporates a number of redeterminations and additions to the information in earlier reports. It also follows the up-to-date order and taxonomy of Pohl et al. (2010), rather than that of Hodges et al. (1983).

INTRODUCTION

The late Lloyd Lohr lived on a farm 12 km SE of Erskine for all of his life. He was a naturalist first and a farmer second. He referred to his land north of his home as the "Section". He believed in keeping it as natural as possible. It consisted of aspen woods with a number of small prairie areas and was typical of aspen parkland. The coordinates of this area are 52.23 N and 112.83 W; the elevation being around 850 m. With Lloyd's encouragement, the writer studied Lepidoptera in the "Section" 40 times in the year 2000 (March 31; April 19, 20, 27; May 2, 12, 17, 25; June 6, 12, 20, 21, 22, 27; July 2, 4, 8, 11, 15, 20, 21, 24, 29; August 2, 4, 6, 8, 11, 12, 14, 15, 22, 23, 24, 28; September 12, 27; October 10 and 17) and once in the early part of 2001 (April 27).

The purpose of the study was to document the species of Lepidoptera that are characteristic of natural aspen woods in an area in south-central Alberta. Bird (2005) details the results of the study.



A winter view of aspen woods on the "Section"

SPECIMEN DISPOSITION

All specimens collected by the writer presently reside in his collection but most will eventually go to the University of Alberta Strickland Museum (UASM), and some will be deposited in the Canadian National Collection (CNC) in Ottawa and the Northern Forest Research Centre (NFRC) in Edmonton. All specimens have been databased and the information on verified material can be viewed at <http://www.entomology.ualberta.ca/searching.php>.

THE FOLLOWING CHECKLIST

Pohl et al (2010) have put together an up-to-date annotated list of the Lepidoptera of Alberta. They include 2367 species, many more than those mentioned by Bowman (1951). This list incorporates recent changes in taxonomy of all groups according to various literature sources, including those listed for the Noctuoidea by Lafontaine & Schmidt (2010). In previous reports, the order and terminology, were that of the "Check List of the Lepidoptera of America North of Mexico" (1983) edited by R.W. Hodges. The species order and taxonomy in this report is that of Pohl et al (2010) followed by that in Hodges (1983). Common names are mentioned in those cases where such names are known.

While most of the larger, or macro, moths are relatively well known, the same cannot be said for many of the smaller or micromoths. Identifications, especially of the latter, can be difficult or are at present impossible, until such time as revisionary studies are made. Also, genitalic dissection and examination is necessary for positive identification in some groups. For these reasons, some of the determinations should be regarded as tentative. The scientific names of the species are followed by the date-month-year of the collection and the number of individuals mounted.

Kenneth Bowman's (1951) list of the Lepidoptera of Alberta presents all species known at that time and gives the distribution of each according to 21 Areas. His Areas 5, 8 and 10 essentially cover all of south-central Alberta, with the study area being in his Area 5.

HEPIALIDAE – Ghost Moths and Swifts

5. *Gazoryctra novigannus* (B. & Benj.) (29. *Gazoryctra novigannus* (B. & Benj.)) – 23-VIII-2000 4.

TINEIDAE – Clothes Moths and others

Tineidae, Tineinae

51. *Monopis spilotella* Teng. (421. *Monopis spilotella* Tengström) – 2-VIII-2000 1.

GRACILLARIIDAE – Gracilariid Moths

Gracillariidae, Gracillariinae

Gracillaria nr. 78. *syringella* (F.) (*Caloptilia* nr. 645. *syringella* (F.)) – 27-IV-2001 1.

ARGYRESTHIIDAE – Argyresthiid Moths**Yponomeutidae, Argyresthiinae**

101. *Argyresthia oreasella* (Clem.) (2467. *Argyresthia oreasella* (Clem.)) (Cherry Shoot Borer) – 15-VIII-2000 1.

YPSOLOPHIDAE – Ypsolophid moths**Ypsolophidae, Ypsolophinae**

104. *Ypsolopha canariella* (Wlsm.) (2371. *Ypsolopha canariella* (Wlsm.)) (Canary Ypsolopha Moth) – 24-VII-2000 3, 8-VIII-2000 1, 15-VIII-2000 1, 23-VIII-2000 1.
 106. *Ypsolopha dentiferella* (Wlsm.) (2376. *Ypsolopha dentiferella* (Wlsm.)) (– 24-VII-2000 2, 2-VIII-2000 2, 8-VIII-2000 1, 22-VIII-2000 1.

ELACHISTIDAE – Concealer Moths**Elachistidae, Depressariinae**

130. *Agonopterix gelidella* (Bsk.) (855. *Agonopterix gelidella* (Bsk.)) – 8-VIII-2000 1.
 138. *Agonopterix argillacea* (Wlsm.) (889. *Agonopterix argillacea* (Wlsm.)) – 27-III-2001 1.
 143. *Depressarioides ciniflonella* Lienig & Zell. (908. *Depressarioides ciniflonella* Lienig & Zell.) – 28-III-2001 1.
 148. *Semioscopis inornata* Wlsm. (914. *Semioscopis inornata* Wlsm.) – 19-IV-2000 1, 27-IV-2001 1, 12-V-2001 1.
 149. *Semioscopis megamicrella* Dyar (915. *Semioscopis megamicrella* Dyar) – 19-IV-2000 1.
 150. *Semioscopis aurorella* Dyar (916. *Semioscopis aurorella* Dyar) – 20-IV-2000 1.

GLYPHIDOCERIDAE - Glyphidocerid Moths

189. *Glyphidocera hurlberti* Adamski (Not in Hodges) – 24-VII-2000 1. This species was described by Adamski in 2000.

COLEOPHORIDAE – Coleophorid Moths**Coleophoridae, Coleophorinae**

197. *Coleophora elaeagnisella* Kft. (1260. *Coleophora elaeagnisella* Kft.) – 24-VIII-2000 1.
 199. *Coleophora pruniella* Clem. (1271. *Coleophora pruniella* Clem.) (Cherry Case-bearer Moth) – 11-VII-2000 1.
 Not in Pohl et al. (1359. *Coleophora cervinella* McD.) – 12-VIII-2000 1?

GELECHIIDAE – Gelechiid Moths

Indet. Gelechiids – 11-VII-2000 2, 24-VII-2000 1, 15-VIII-2000 1, 24-VII-2001 2, 18-VIII-2001 1.

Little is known about many of the species in this family and it may be many years before some of these specimens are determined or described.

Gelechiidae, Gelechiinae, Anomologini

249. *Aristotelia fungivorella* (Clem.) (1738. *Aristotelia fungivorella* (Clem.)) – 2-VIII-2000 1.

Gelechiidae, Gelechiinae, Litini

256. *Coleotechnites blastovora* McLeod (1796. *Coleotechnites blastovora* McLeod) – 17-V-2000 1, 25-V-2000 1, 27-IV-2001 1.

Gelechiidae, Gelechiinae, Gelechiini

282. *Gelechia lynceela* Zell. (1946. *Gelechia lynceela* Zell.) – 24-VII-2000 1.

Gelechiidae, Gelechiinae, Gelechiini

296. *Chionodes lugubrella* (F.) (2090. *Chionodes lugubrella* (F.)) – 11-VII-2000 1.

317. *Filatima abactella* (Clarke) (2127. *Filatima abactella* (Clarke)) – 25-V-2000 2, 6-VI-2000 1, 12-VI-2000 1, 27-VI-2000 1, 4-VII-2000 1.

Gelechiidae, Gelechiinae, Gnorimoschemini

The Alberta members of this group are presently being studied by Vazrick Nazari. A number of new species will be described.

328. *Gnorimoschema gallaeasterella* (Kell.) (1985. *Gnorimoschema gallaeasterella* (Kellicott)) – 22-VIII-2000 1.

332. *Gnorimoschema septentrionella* Fyles (2000. *Gnorimoschema septentrionella* Fyles) – 24-VII-2000 1.

Gelechiidae, Dichomeridinae

356. *Dichomeris setosella* (Clem.) (2302. *Dichomeris setosella* (Clem.)) – 24-VII-2000 1.

357. *Dichomeris bilobella* (Zell.) (2291. *Dichomeris bilobella* (Zell.)) – 15-VIII-2000 1.

360. *Dichomeris levisella* Fyles (2300. *Dichomeris levisella* Fyles) – 24-VII-2000 1.

TORTRICIDAE – Tortricid or Bell Moths

Tortricidae, Tortricinae, Tortricini

403. *Acleris albicomana* (Clem.) (3502. *Croesia albicomana* (Clem.)) – 11-VII-2000 1, 24-VII-2000 2, 18-VIII-2000 1.

411. *Acleris fusca* (B. & Bsk.) or 414. *Acleris cornana* (McD.) (3520. *Acleris fusca* (B. & Bsk.) or 3523. *Acleris cornana* (McD.)) – 17-V-2000 1.

435. *Acleris bowmanana* McD.) (3553. *Acleris bowmanana* McD.) – 27-IV-2001 1
 436. *Acleris nigrolinea* (Rob.) (3556. *Acleris nigrolinea* (Rob.)) – 27-IV-2001 1.
 439. *Acleris hudsoniana* (Wlk.) complex (3561. *Acleris hudsoniana* (Wlk.) complex) – 27-IV-2001 2.

Tortricidae, Tortricinae, Cnephasini

466. *Eana argentana* (Cl.) (3568. *Eana argentana* (Cl.)) – 27-VI-2000 1.

Tortricidae, Tortricinae, Archipini

472. *Pandemis canadana* Kft. (3595. *Pandemis canadana* Kft.) (Green Aspen Leaf-tier) – 2-VIII-2000 2, 8-VIII-2000 1, 11-VIII-2000 1, 15-VIII-2000 1, 23-VIII-2000 1 and 24-VIII-2000 2.
 483. *Choristoneura rosaceana* (Harr.) (3635. *Choristoneura rosaceana* (Harr.)) (Oblique-banded Leafroller) – 24-VII-2000 1.
 495. *Archips argyrospila* (Wlk.) (3648. *Archips argyrospila* (Wlk.)) (Fruit Tree Leafroller) – 24-VII-2000 1.
 508. *Clepsis persicana* (Fitch) (3682. *Clepsis persicana* (Fitch)) (White-angle Tortrix, White Triangle Leafroller) – 24-VII-2000 1, 2-VIII-2000 1.
 509. *Clepsis clemensiana* (Fern.) (3684. *Clepsis clemensiana* (Fern.)) (Clemen's Clepsis Moth) – 24-VII-2000 1.
 513. *Ptycholoma virescana* (Clem.) (3689. *Ptycholoma virescana* (Clem.)) – 24-VII-2000 3.

Tortricidae, Tortricinae, Sparganothidini

518. *Sparganothis xanthoides* (Wlk.) (3706. *Sparganothis xanthoides* (Wlk.)) (Mosaic Sparganothis Moth) – 11-VII-1000 1.
 522. *Sparganothis reticulatana* (Clem.) (3720. *Sparganothis reticulatana* (Clem.)) (Reticulated Fruitworm Moth) – 8-VIII-2000 1, 15-VIII-2000 3, 22-VIII-2000 1, 23-VIII-2000 1.
 523. *Platynota idaeusalis* (Wlk.) (3740. *Platynota idaeusalis* (Wlk.)) (Tufted Apple Bud Moth) – 24-VII-2000 2, 15-VIII-2000 1.

Tortricidae, Olethreutinae, Endotheniini

533. *Endothenia nubilana* (Clem.) (2743. (Clem.)) – 8-VIII-2000 1.

Tortricidae, Olethreutinae, Olethreutini

547. *Apotomis removana* (Kft.) (2766. *Apotomis dextrana* McD.) (Green Aspen Leafroller) – 11-VII-2000 1, 2-VIII-2000 1, 8-VIII-2000 1.
 552. *Apotomis deceptana* (Kft.) (2765. *Apotomis deceptana* (Kft.)) (Deceptive Apotomis Moth) – 24-VII-2000 1.
 557. *Orthotaenia undulana* (D. & S.) (2770. *Orthotaenia undulana* (D. & S.)) (Dusky Leafroller) – 27-VI-2000 1.
Olethreutes spp. – 12-VI-2000 1, 4-VII-2000 2, 11-VII-2000 5, 24-VII-2000 1. Many of the species in this genus are difficult to identify and require genitalic examination.

584. *Hedya ochroleucana* (Frölich) (2861. *Hedya ochroleucana* (Frölich)) (Off-white Hedya Moth)
– 11-VII-2000 6, 24-VII-2000 3, 2-VIII-2000 1.

Tortricidae, Olethreutinae, Eucosmini

650. *Phaneta infimbriana* (Dyar) (2985. *Phaneta infimbriana* (Dyar)) – 8-VIII-2000 1.
656. *Eucosma ridingsana* (Rob.) (3014. *Eucosma ridingsana* (Rob.)) (Riding's Eucosma Moth,
Snakeweed Borer Moth) – 15-VIII-2000 1.
666. *Eucosma vagana* McD. (3042. *Eucosma vagana* McD.) – 24-VII-2000 1.
709. *Notocelia culminana* (Wlsm.) (3211. *Notocelia culminana* (Wlsm.)) – 15-VII-2000 1, 24-VII-
2000 2, 2-VIII-2000 3, 8-VIII-2000 4, 23-VIII-2000 1.
710. *Gypsonoma fasciolana* (Clem.) (3223. *Gypsonoma fasciolana* (Clem.)) – 12-VI-2000 2, 27-VI-
2000 1, 4-VII-2000 1, 11-VII-2000 1.
714. *Gypsonoma substitutionis* Heinr. (3227. *Gypsonoma substitutionis* Heinr.) – 24-VII-2000 2.
725. *Pseudexentera oregonana* (Wlsm.) (3248. *Pseudexentera oregonana* (Wlsm.)) (Early Aspen
Leafroller) – 31-III-2000 1, 7-IV-2000 4, 12-IV-2000 1, 19-IV-2000 4, 27-III-2001 10.
728. *Rhopobota naevana* (Haw.) 3276. *Rhopobota unipunctana* (Haw.) – 23-VIII-2004 1.
733. *Epinotia castaneana* (Wlsm.) (3288. *Epinotia castaneana* (Wlsm.)) – 11-VII-2004 1, 24-VII-
2004 1.
740. *Epinotia nisella* Cl. (3306. *Epinotia nisella* Cl.) (Variable Tortrix Moth, Poplar Branchlet Borer
Moth, Yellow-headed Aspen Leaf-tier) – 2-VIII-2000 7, 8-VIII-2000 8, 15-VIII-2000 5, 23-
VIII-2004 2.
741. *Epinotia criddleana* Kft. (3307. *Epinotia criddleana* Kft.) – 2-VIII-2000 3, 15-VIII-2000 4, 23-
VIII-2000 2.
757. *Epinotia lindana* (Fern.) (3351. *Epinotia lindana* (Fern.)) (Diamondback Epinotia Moth) – 15-
VIII-2000 1.

Tortricidae, Olethreutinae, Grapholitini

776. *Cydia strobilella* (L.) (3466. *Cydia youngana* (Kft.)) – 25-V-2000 1.
780. *Cydia flexiloqua* (Heinr.) (3465. *Cydia flexiloqua* (Heinr.)) – 11-VII-2000 1, 24-VII-2004 1, 8-
VIII-2000 1, 15-VIII-2000 2.
781. *Cydia nigricana* (F.) (3467. *Cydia nigricana* (F.)) (Pea Moth) – 20-VI-2000 1.

ALUCITIDAE – Six Plume Moths

792. *Alucita montana* Barnes & Lindsey (2313. *Alucita hexadactyla* (L.)) – 15-VIII-2000 1. Bernard
Landry and Jean-François Landry (2004) have shown that true *hexadactyla* does not
occur in North America and that three other species occur in Alberta.

PTEROPHORIDAE – Plume Moths

Pterophoridae, Pterophorinae, Platyptiliini

812. *Platyptilia pica* (Wlsm.) (6118. *Platyptilia pica* (Wlsm.)) (Geranium Moth) – 7-V-2000 1.

CRAMBIDAE – Snout Moths**Pyralidae, Phycitinae, Phycitini**

864. *Myelopsis subtetricella* (Rag.) (5718. *Myelopsis subtetricella* (Rag.)) – 6-VI-2000 1.
 865. *Apomyelois bistriatella* (Hulst) (5721. *Apomyelois bistriatella* (Hulst)) – 24-VII-2000 1.
 866. *Eulogia ochrifrontella* (Zell.) (5999. *Eulogia ochrifrontella* (Zell.)) (Broad-banded Eulogia Moth) – 24-VII-2000 1.
 888. *Ortholepis pasadamia* (Dyar) (5783. *Ortholepis pasadamia* (Dyar)) – 24-VII-2000 1.
 920. *Zophodia grossulariella* (Hbdn.) (5968. *Zophodia convolutella* (Hbn.)) (Gooseberry Fruitworm Moth) – 12-V-2000 1, 27-IV-2001 3.

Pyralidae, Phycitinae, Anerastiini

930. *Anerastia lotella* (Hbn.) (6038. *Anerastia lotella* (Hbn.)) – 2-VIII-2004 2.

Crambidae, Scopariinae

935. *Scoparia biplagiata* Wlk. (4716. *Scoparia biplagiata* Wlk.) (Double-striped Scoparia) – 4-VII-2000 1, 11-VII-2000 1, 24-VII-2000 1, 2-VIII-2000 1, 15-VIII-2000 1.

Crambidae, Crambinae, Crambini

948. *Chrysoteuchia topiarius* (Zell.) (5391. *Chrysoteuchia topiaria* (Zell.)) (Cranberry Girdler) – 20-VI-2004 4, 27-VI-2000 5.
 953. *Crambus perlella* Scop. (5343. *Crambus perlellus innotatellus* Wlk.) (Immaculate Grass-veneer Moth) – 24-VII-2000 1.
 967. *Agriphila ruricolellus* (Zell.) (5399. *Agriphila ruricolella* (Zell.)) (Lesser Vagabond Sod Webworm Moth) – 4-VII-2000 1, 24-VII-2000 1 and 8-VIII-2000 2.
Pediasia sp. – 4-VII-2000 1.
 980. *Pediasia dorsipunctellus* (Kft.) (5417. *Pediasia dorsipunctella* (Kft.)) – 24-VII-2000 3, 2-VIII-2000 2.

Crambidae, Pyraustinae, Pyraustini

1016. *Anania funebris* Ström. (4958. *Anania funebris* Ström.) (White-spotted Sable Moth) – 20-VI-2000 1. The larvae of this beautiful little moth feed on goldenrod.
 1018. *Sitochroa chortalis* (Grt.) (4987. *Sitochroa chortalis* (Grt.)) – 12-VI-2000 3.
 1035. *Pyrausta fodinalis* (Led.) (5074. *Pyrausta fodinalis* (Led.)) – 27-VI-2000 1.

Crambidae, Pyraustinae, Spilomelini

1039. *Choristostigma plumbosignalis* (Fern.) (5128. *Choristostigma plumbosignalis* (Fern.)) – 4-VII-2000 1, 11-VII-2000 2, 24-VII-2000 3.
 1045. *Udea itysalis* (Wlk.) (5099. *Udea itysalis* (Wlk.)) – 4-VII-2000 1.
 1054. *Nomophila nearctica* Mun. (5156. *Nomophila nearctica* Mun.) (Lucerne Moth, Celery Stalkworm Moth) – 12-VI-2000 1.

HESPERIIDAE – Skippers**Hesperiidae, Eudaminae**

1057. *Thorybes pylades* (Scud.) (3910. *Thorybes pylades* (Scudder)) (Northern Cloudywing) – 22-VI-2000 2.

Hesperiidae, Hesperinae, Hesperini

1081. *Polites themistocles* (Latr.) (4041. *Polites themistocles* (Latr.)) (Tawny-edged Skipper) – 27-VI-2000 2.

1082. *Polites mystic* (Edw.) (4043. *Polites mystic* (Edw.)) (Long Dash Skipper) – 27-VI-2000 1.

1083. *Poanes hobomok* (Harr.) (4059. *Poanes hobomok* (Harr.)) (Hobomok Skipper) – 12-VI-2000 1.

1086. *Euphyes vestris* (Bdv.) (4078. *Euphyes vestris* (Bdv.)) (Dun Skipper) – 20-VII-1999. This was a first record for Alberta (Bird 2000).

PIERIDAE – White and Sulphurs**Pieridae, Coliadinae**

1095b. *Colias philodice eriphyle* Edw. (4209. *Colias philodice* Godt.) (Clouded Sulphur) – 20-VII-1999 SR, 6-VI-2000 1.

Pieridae, Pierinae, Pierini

1114. *Pieris rapae* (L.) (4197. *Pieris rapae* (L.)) (Cabbage Butterfly) – 12-VI-2000 1.

LYCAENIDAE – Blues and Coppers**Lycaenidae, Polyommatae, Polyommataini**

1142. *Cupido amyntula albrighti* (Clench) (4362. *Everes amyntula* (Bdv.)) (Western Tailed Blue) – 6-VI-2000 1.

NYMPHALIDAE – Fritillaries and others**Nymphalidae, Limenitidinae, Limenitidini**

1158. *Limenitis arthemis rubrofasciata* (B. & McD.) 4522. *Basilarchia arthemis* (Drury) (White Admiral) – 20-VII-1999 SR.

Nymphalidae, Heliconiinae, Argynnini

1176b. *Speyeria aphrodite manitoba* Chermock & Chermock (4451. *Speyeria aphrodite* (F.)) (Aphrodite Fritillary) – 20-VII-1999 SR.

1182c. *Speyeria hesperis dennisi* dos Passos (4459s. *Speyeria electa lais* (Edw.)) (Northwestern Fritillary) – 20-VI-2000 1, 27-VI-2000 1.

Nymphalidae, Nymphalinae, Nymphalini

1189. *Aglais milberti* (Godt.) (4433. *Aglais milberti* (Godt.)) (Milbert's Tortoiseshell) – 20_VII-1999 SR.

1195. *Polygonia progne* (Cram.) (4429. *Polygonia progne* (Cram.)) (Gray Comma) – 20-VI-2000 1.

Nymphalidae, Nymphalinae, Melitaeini

1207. *Phyciodes tharos* (Drury) (4481. *Phyciodes tharos* (Drury)) (Pearl Crescent) – 12-VI-2000 1.

1208. *Phyciodes cocyta* (Cram.) (4481.1. *Phyciodes cocyta* (Cram.)) (Northern Pearl Crescent) – 20-VII-1999 SR, 20-VII-2000 1.

SATYRIDAE – Alpines and Arctics

Satyridae, Satyrinae, Satyrini

1214. *Cercyonis pegala ino* Hall (4587. *Ceryonis pegala* (F.)) (Meadow Brown) – 20-VII-1999 SR.

URANIIDAE – Uraniid Moths

Uraniidae, Epipleminae

1240. *Callizia amorata* (Pack.) (7650. *Callizia amorata* (Pack.)) (Gray Scoopwing) – 4-VII-2000 1.

GEOMETRIDAE – Inchworm or Geometrid Moths

Geometridae, Larentiinae, Cidariini

1241. *Dysstroma citrata* (L.) (7182. *Dysstroma citrata* (L.)) (Dark Marbled Carpet) – 15-VIII-2000 1, 23-VIII-2004 4.

1253. *Eulithis testata* (L.) (7201. *Eulithis testata* (L.)) (Chevron Moth) – 40VIII-2004 1, 15-VIII-2004 1.

1255. *Eulithis flavibrunneata* (McD.) (7205. *Eulithis flavibrunneata* (McD.)) – 8-VIII-2000 1.

Geometridae, Larentiinae, Hydrimenini

1271. *Hydriomena ruberata* (Frey.) (7254. *Hydriomena ruberata* (Frey.)) – 22-VI-2000 1.

1290. *Anticlea vasiliata* Gn. (7329. *Anticlea vasiliata* Gn.) (Variable Carpet) – 27-IV-2000 1.

Geometridae, Larentiinae, Xanthorhini

1309. *Epirrhoe plebeculata* (Gn.) (7395. *Epirrhoe plebeculata* (Gn.)) (Orange-winged Carpet) – 2-V-2000 3.

1311. *Euphyia unangulata* (Haw.) (7399. *Euphyia unangulata* (Haw.)) (Sharp-angled Carpet) – 4-VII-2000 1.

1312. *Zenophleps alpinata* Cass. (7408. *Zenophleps alpinata* (Cass.)) – 2-VIII-2000 4, 8-VIII-2000 2, 14-VIII-2000 1, 15-VIII-2000 3.

Geometridae, Larentiinae, Operophterini

1324. *Operophtera bruceata* (Hulst) (7437. *Operophtera bruceata* (Hulst)) (Bruce Spanworm) – 17-X-2000 1.

Geometridae, Larentiinae, Eudelini

1325. *Eubaphe mendica* (Wlk.) (7440. *Eubaphe mendica* (Wlk.)) (The Beggar) – 11-VII-2000 1.

Geometridae, Larentiinae, Eupitheciini

1345. *Eupithecia anticaria* Wlk. (7594. *Eupithecia anticaria* Wlk.) – 20-VI-2000 1, 4-VII-2000 1.

1346. *Eupithecia ravocostaliata* Pack. (7605. *Eupithecia ravocostaliata* Pack.) (Great Variegated Pug) – 27-IV-2001 1.

1360. *Eupithecia assimilata* Dbldy. (7528. *Eupithecia fumosa* (Hulst)) – 24-VII-2000 1.

1370. *Eupithecia regina* Tayl. (7483. *Eupithecia regina* Tayl.) – 27-VI-2000 1.

Geometridae, Sterrhinae, Sterrhini

1379. *Idaea rotundopennata* (Pack.) (7125. *Idaea rotundopennata* (Pack.)) (Round-winged Wave) – 20-VI-2000 3.

Geometridae, Sterrhinae, Scopulini

1383. *Scopula limboundata* (Haw.) (7159. *Scopula limboundata* (Haw.)) (Large Lace-border) – 24-VII-2000 1.

1386. *Scopula junctaria* (Wlk.) (7164. *Scopula junctaria* (Wlk.)) (Simple Wave) – 27-VI-2004 1, 4-VII-2000 2, 24-VII-2000 2.

Geometridae, Geometrinae, Nemoriini

1394. *Nemoria unitaria* (Pack.) (7018. *Nemoria unitaria* (Pack.)) (Single-lined Emerald) – 24-VII-2000 1.

Geometridae, Ennomiinae, Cassymini

1405. *Nematocampa resistaria* (H.-S.) (7009. *Nematocampa resistaria* (H.-S.)) (Horned Spanworm Moth) – 24-VII-2004 1.

Geometridae, Ennomiinae, Cassymini

1406. *Protitame virginalis* (Hulst) (6270. *Protitame virginalis* (Hulst)) (Virgin Moth) – 20-VI-2000 1, 27-VI-2000 1.

Geometridae, Ennomiinae, Macariini

1416. *Speranza occiduaria* (Pack.) (6279. *Itame occiduaria* (Pack.)) (Western Sulphur) – 4-VII-2000 1, 24-VII-2000 1.

1421. *Speranza loricaria* (Evers.) (6290. *Itame loricaria* (Evers.)) (False Bruce Spanworm) – 11-VII-2000 1, 24-VII-2000 1.

1433. *Digrammia denticulata* Grt. (6373. *Semiothisa denticulata* (Grt.)) (Striped Granite) – 6-VI-2000 1.

Geometridae, Ennomiinae, Boarmiini

1447. *Ematurga amitaria* (Gn.) (6436. *Ematurga amitaria* (Gn.)) (Cranberry Spanworm Moth) – 6-VI-2000 1.

Geometridae, Ennomiinae, Bistonini

1460. *Biston betularia* (L.) (6640. *Biston betularia* (L.)) (Salt-and-Pepper Moth) – 27-VI-2000 1.

1461. *Lycia ursaria* (Wlk.) 6651. *Lycia ursaria* (Wlk.) (The Bear or the Stout Spanworm Moth) - 27-IV-2000 2.

1463. *Hypagyrtis unipunctata* (Haw.) (6654. *Hypagyrtis unipunctata* (Haw.)) (One-spotted Variant) – 11-VII-2000 2.

1467. *Erranis tiliaria* (Harr.) (6665. *Erannis tiliaria* (Harr.)) (Linden Looper Moth) – 27-IX-2000 1.

Geometridae, Ennomiinae, Caberini

1472. *Cabera erythemaria* Gn. (6677. *Cabera erythemaria* Gn.) (Yellow-dusted Cream Moth) – 27-VI-2000 1, 4-VII-2000 1.

1473. *Cabera variolaria* (Gn.) (6678. *Cabera variolaria* Gn.) (Pale-striped Willow Spanworm) – 27-VI-2000 1, 11-VII-2000 2, 24-VII-2000 1, 8-VIII-2000 1.

Geometridae, Ennomiinae, Angeronini

1482. *Euchlaena obtusaria* (Hbn.) (6726. *Euchlaena obtusaria* (Hbn.)) (Obtuse Euchlaena) – 11-VII-2000 2, 24-VII-2000 1.

1485. *Euchlaena marginaria* (Minot) (6734. *Euchlaena madusaria* (Minot)) (Ochre Euchlaena) – 6-VI-2000 3.

1486. *Euchlaena tigrinaria* (Gn.) (6737. *Euchlaena tigrinaria* (Gn.)) (Mottled Euchlaena or Variable Thorn) – 4-VII-2000 3.

1488. *Xanthotype sospeta* (Drury) (6743. *Xanthotype sospeta* (Drury)) (Crocus Geometer) – 4-VII-2000 2, 11-VII-2000 2.

Geometridae, Ennomiinae, Campaeini

1494. *Campaea perlata* (Gn.) (6796. *Campaea perlata* (Gn.)) (Pale Beauty or Fringed Looper Moth) – 4-VII-2000 1, 11-VII-2000 1, 2-VIII-2000 2.

Geometridae, Ennomiinae, Ennomini

1495. *Ennomos magnaria* Gn. (6797. *Ennomos magnaria* Gn.) (Maple Spanworm) – 27-IX-2000 1.

Geometridae, Ennomiinae, Anagogini

1501. *Selenia alciphearia* (Wlk.) (6817. *Selenia alciphearia* (Wlk.)) (Northern Selenia) – 27-IV-2001 1.

1502. *Selenia kentaria* (G. & R.) (6818. *Selenia kentaria* (G. & R.)) (Kent's Geometer) – 6-VI-2000 1, 27-IV-2001 1.

1504. *Metanema determinata* Wlk. (6820. *Metanema determinata* Wlk.) (Dark Metanema) – 27-VI-2001 1.

1506. *Metarranthis duaria* (Gn.) (6822. *Metarranthis duaria* (Gn.)) (Ruddy Metarranthis) – 6-VI-2000 2.

1509. *Plagodis pulveraria* (L.) (6836. *Anagoga occiduaria* (Wlk.)) (American Barred Umber) – 6-VI-2000 1.

1510. *Plagodis phlogosaria* (Gn.) (6842. *Plagodis phlogosaria* (Gn.)) (Straight-lined Plagodis) – 6-VI-2000 1.

Geometridae, Ennomiinae, Ourapterygini

1522. *Sicya macularia* (Harr.) (6912. *Sicya macularia* (Harr.)) (Pink-barred Yellow) – 24-VII-2000 1, 2-VIII-2000 4.

1522. *Tetracis jubararia* (Hulst) (6954. *Synaxis jubararia* (Hulst)) (October Thorn) – 12-IX-2000 1.

1531. *Prochoerodes lineola* (Göze) (6982. *Prochoerodes transversata* (Drury)) (Large Maple Spanworm) – 2-VIII-2000 1, 8-VIII-2000 2, 15-VIII-2000 1, 23-VIII-2000 2.

LASIOCAMPIDAE – Tent Caterpillar and Lappet Moths

Lasiocampidae, Lasiocampinae, Gastropachini

1536. *Phyllodesma americana* (Harr.) (7687. *Phyllodesma americana* (Harr.)) (Lappet Moth) – 25-V-2000 1, 6-VI-2000 1, 27-IV-2001 3.

Lasiocampidae, Lasiocampinae, Lasiocampini

1537. *Malacosoma disstria* Hbn. (7698. *Malacosoma disstria* Hbn.) (Forest Tent Caterpillar) – 24-VII-2000 1.

SATURNIIDAE – Giant Silkworm Moths

Saturniidae, Saturniinae, Saturniini

1542. *Antheraea polyphemus* (Cram.) (7757. *Antheraea polyphemus* (Cram.)) (Polyphemus Moth) – 6-VI-2000 1.

SPHINGIDAE – Sphinx Moths

Sphingidae, Sphinginae, Sphingini

1553. *Smerinthus jamaicensis* (Drury) (7821. *Smerinthus jamaicensis* (Drury)) (Twin-spotted Sphinx) – 6-VI-2000 3, 12-VI-2000 5, 20-VI-2000 2.
 1554. *Smerinthus cerisyi* Kby. (7822. *Smerinthus cerisyi* Kby.) (One-eyed Sphinx) – 6-VI-2000 1, 12-VI-2000 1.
 1558. *Pachysphinx modesta* (Harr.) (7828. *Pachysphinx modesta* (Harr.)) (Big Poplar Sphinx) – 6-VI-2000 1.

NOTODONTIDAE – Prominent Moths

Notodontidae, Pygaerinae

1572. *Clostera albosigma* Fitch (7895. *Clostera albosigma* Fitch) (Sigmoid Prominent) – 6-VI-2000 1, 20-VI-2000 1, 2-VII-2000 1, 24-VII-2000 3, 27-IV-2001 2.

Notodontidae, Notodontinae, Notodontini

1576. *Pheosia rimosa* Pack. (7922. *Pheosia rimosa* Pack.) (Black-rimmed Prominent) – 20-VI-2000 1, 4-VII-2000 2, 11-VII-2000 1, 24-VII-2000 1.

Notodontidae, Notodontinae, Notodontini

1579. *Notodonta torva* (Hbn.) (7928. *Notodonta simplaria* Graef) (Simple Prominent) – 11-VII-2000 1.

Notodontidae, Notodontinae, Dicranurini

1580. *Gluphisia septentrionis* Wlk. (7931. *Gluphisia septentrionis* Wlk.) (Small Pebble or Common Gluphisia) – 6-VI-2000 1, 12-VI-2000 1, 20-VI-2000 2.
 1582. *Gluphisia lintneri* (Grt.) (7934. *Gluphisia lintneri* (Grt.)) (Lintner's Pebble) – 27-IV-2001 2.

Notodontidae, Notodontinae, Dicranurini

1586. *Furcula scolopendrina* (Bdv.) (7940. *Furcula scolopendrina* (Bdv.)) (Poplar Kitten) – 20-VI-2000 1, 27-VI-2000 2, 11-VII-2000 1.

Notodontidae, Phalerinae

1589. *Nadata gibbosa* (J.E. Sm.) (7915. *Nadata gibbosa* (J.E. Smith)) (White-dotted Prominent) – 6-VI-2000 1, 12-VI-2000 1, 20-VI-2000 1, 27-VI-2000 2, 11-VII-2000 1.

Notodontidae, Notodontinae, Dicranurini

1591. *Schizura unicornis* (J.E. Sm.) (8007. *Schizura unicornis* (J.E. Smith)) (Variegated Prominent or Unicorn Caterpillar Moth) – 29-VII-2000 1.

EREBIDAE – Quadrifine Noctuoids**Erebidae, Lymantriinae, Orgyiini**

1600. *Dasychira vagans* (B. & McD.) (8294. *Dasychira vagans* (B. & McD.)) (Variable Tussock Moth) – 11-VII-2000 1, 24-VII-2000 1.

Erebidae, Arctiinae, Lithosiini

1608. *Clemensia albata* Pack. (8098. *Clemensia albata* Pack.) (Little White Lichen Moth) – 24-VII-2000 2, 2-VIII-2000 1.
 1609. *Eilema bicolor* (Grt.) (8043. *Eilema bicolor* (Grt.)) (Bicolored Moth) – 24-VII-2000 1, 2-VIII-2000 1, 8-VIII-2000 1.

Erebidae, Arctiinae, Arctiini

1613. *Virbia ferruginosa* (Wlk.) (8123. *Holomelina ferruginosa* (Wlk.)) (Rusty Holomelina) – 11-VII-2000 3.
 1619. *Grammia virgo* (L.) (8197. *Grammia virgo* (L.)) (Virgin Tiger Moth) – 11-VII-2000 1, 2-VIII-2000 1.
 1620. *Grammia parthenice* (W. Kby.) (8196. *Grammia parthenice* (W. Kby.)) (Parthenice Tiger Moth) – 8-VIII-2000 1.
 1628. *Parasemia plantaginis* (L.) (8127. *Parasemia plantaginis* (L.)) (Black and White Tiger Moth) – 20-VI-2000 1.
 1631. *Platarctia parthenos* (Harr.) (8162. *Platarctia parthenos* (Harr.)) (St. Lawrence Tiger Moth) – 6-VI-2000 1, 12-VI-2000 2.
 1635. *Phragmatobia assimilans* Wlk. (8158. *Phragmatobia assimilans* Wlk.) (Large Ruby Tiger Moth) – 25-V-2000 1.
 1637. *Estigmene acraea* (Drury) (8131. *Estigmene acraea* (Drury)) (Salt Marsh Moth) – 6-VI-2000 1, 12-VI-2000 1.
 1639. *Spilosoma congrua* (Wlk.) (8134. *Spilosoma congrua* (Wlk.)) – 6-VI-2000 1, 12-VI-2000 2, 20-VI-2000 5, 27-VI-2000 1.
 1649. *Lophocampa maculata* Harr. (8214. *Lophocampa maculata* Harr.) (Spotted Tiger Moth) – 27-VI-2000 1.

Erebidae, Herminiinae

1654. *Idia americalis* (Gn.) (8322. *Idia americalis* (Gn.)) (American Snout Moth) – 11-VII-2000 2, 24-VII-2000 5, 2-VIII-2000 1, 8-VIII-2000 1, 15-VIII-2000 1.
 1662. *Zanclognatha litalba* (Sm.) (8354. *Zanclognatha litalba* (Sm.)) (The Canadian Zanclognatha) – 11-VII-2000 4.

1663. *Chytolita petrealis* (Grt. (8356. *Chytolita petrealis* Grt.)) (Lesser Luteous Snout) – 6-VI-2000 5, 27-VI-2000 1.

1666. *Phalaenostola metonalis* (Wlk.) (8362. *Phalaenostola metonalis* (Wlk.)) (Pale Phalaenostola or Tufted Snout) – 4-VII-2000 1, 11-VII-2000 1.

Erebidae, Rivulinae

1671. *Rivula propinqualis* Gn. (8404. *Rivula propinqualis* Gn.) (Yellow Snout Moth) – 11-VII-2000 1.

Erebidae, Boletobiinae

1683. *Mycterophora inexplicata* (Wlk.) (8413. *Mycterophora inexplicata* (Wlk.)) (Pale-edged Snout Moth) – 11-VII-2000 1, 24-VII-2000 1.

Erebidae, Erebinae, Euclidiini

1700. *Caenurgina crassiuscula* (Haw.) (8738. *Caenurgina crassiuscula* (Haw.)) (Clover Looper Moth) – 12-VI-2000 3, 20-VI-2000 1, 27-VI-2000 2, 24-VII-2000 1.

Erebidae, Erebinae, Catocalini

1706. *Catocala unijuga* Wlk. (8805. *Catocala unijuga* Wlk.) (Once-married Underwing) – 15-VIII-2000 1.

1713. *Catocala semirelictica* Grt. (8821. *Catocala semirelictica* Grt.) (Semirelict Underwing) – 2-VIII-2000 1, 15-VIII-2000 1.

NOCTUIDAE – Owlet or Noctuid Moths

Noctuidae, Chloephorinae, Sarrothripini

1723. *Nycteola cinereana* (N. & D.) (8977. *Nycteola cinereana* (N. & D.)) (Grey Midget) – 12-IX-2000 1.

Noctuidae, Plusiinae, Abrastolini

1725. *Abrastola urentis* Gn. (8881. *Abrastola urentis* Gn.) (Variegated Brindle) – 6-VI-2000 1.

Noctuidae, Plusiinae, Plusiini

1729. *Pseudeva purpurigera* (Wlk.) (8899. *Pseudeva purpurigera* (Wlk.)) (Straight-lined Looper Moth) – 2-VIII-2000 2.

Noctuidae, Eustrotiinae

1767. *Protodeltote albidula* (Gn.) (9048. *Lithacodia albidula* (Gn.)) (Common Midget) – 6-VI-2000 3, 12-VI-2000 1, 20-VI-2000 1, 27-VI-2000 2.

Noctuidae, Dilobinae

1778. *Raphia frater* Grt. (9193. *Raphia frater* Grt.) (The Brother) – 6-VI-2000 3, 27-VI-2000 1, 21-VII-2000 2.

Noctuidae, Acronictinae

1787. *Acronicta grisea* (Wlk.) (9212. *Acronicta grisea* (Wlk.)) (Gray Dagger Moth) – 6-VI-2000 5, 12-VI-2000 2.

1793. *Acronicta fragilis* (Gn.) (9241. *Acronicta fragilis* (Gn.)) (Fragile Dagger Moth) – 6-VI-2000 1.

1794. *Acronicta impleta* Wlk. (9257. *Acronicta impleta* Wlk.) (Yellow-haired Dagger Moth) – 6-VI-2000 2, 12-VI-2000 1.

1796. *Acronicta impressa* Wlk. (6261. *Acronicta impressa* Wlk.) (Willow Dagger Moth) – 8-VIII-2000 1.

Noctuidae, Oncocnemidinae

1828. *Pleromelloida conserta* (Grt.) (10028. *Pleromelloida obliquata* (Sm.)) (Oblique Rover) – 27-IV-2000 10.

1838. *Sympistis dinalda* (Sm.) (10065. *Homohadena infixa* (Wlk.)) (Broad-lined Sallow) – 2-VIII-2000 1.

Noctuidae, Noctuinae, Caradrini

1905. *Caradrina montana* (Bremer) (9656. *Platyperigea montana* (Bremer)) (Civil Rustic) – 15-VIII-2000 1.

1906. *Proxenus miranda* (Grt.) (9647. *Proxenus miranda* (Grt.)) (Glistening Rustic) – 11-VIII-2000 1.

Noctuidae, Noctuinae, Apameini

1924. *Apamea commoda* (Wlk.) (9359. *Apamea commoda* (Wlk.)) (Southern Quaker) – 24-VII-2000 2, 2-VIII-2000 1, 12-VIII-2000 1.

1932. *Apamea inficita* (Wlk.) (9369. *Apamea inficita* (Wlk.)) (Inficita Quaker) – 24-VII-2000 4, 2-VIII-2000 3, 6-VIII-2000 1, 8-VIII-2000 1.

1933. *Apamea devastator* (Brace) (9382. *Crymodes devastator* (Brace)) (Glassy Cutworm Moth) – 2-VIII-2000 1, 15-VIII-2000 1.

1944. *Oligia mactata* (Gn.) (9419. *Oligia mactata* (Gn.)) (Prairie Quaker) – 15-VIII-2000 1.

1945. *Oligia illocata* (Wlk.) (9420. *Oligia illocata* (Wlk.)) (Wandering Quaker) – 23-VIII-2000 1.

1959. *Capsula subflava* (Grt.) (9450. *Archanara subflava* (Grt.)) (Subflava Sedge Borer) – 8-VIII-2000 1, 14-VIII-2004 1.

1960. *Helotropha reniformis* (Grt.) (9453. *Celaena reniformis* (Grt.)) (Kidney-spotted Rustic) – 15-VIII-2000 1.

1962. *Amphipoea americana* (Spey.) (9457. *Amphipoea americana* (Speyer)) (American Ear Moth) – 8-VIII-2000 1, 15-VIII-2000 1, 23-VIII-2000 1.

Noctuidae, Noctuinae, Xylenini

1972. *Hyppa contrasta* McD. (9579. *Hyppa contrasta* McD.) (Common Hyppa) – 6-VI-2000 1.
 1976. *Xylena curvimacula* (Morr.) (9874. *Xylena curvimacula* (Morr.)) (Dot and Dash Swordgrass Moth) – 27-IV-2000 1.
 1978. *Xylena cineritia* (Grt.) (9876. *Xylena cineritia* (Grt.)) (Western Swordgrass Moth) – 27-IV-2001 (2).
 1983. *Litholomia napaea* (Morr.) (9884. *Litholomia napaea* (Morr.)) (Dark Gray Peasant) – 10-X-2000 1, 27-IV-2001 3.
 2003. *Anathix puta* (G. & R.) (9962. *Anathix puta* (G. & R.)) (Dusky Sallow) – 8-VIII-2000 1, 15-VIII-2000 2 and 23-VIII-2000 1.
 2008. *Brachylomia populi* (Stkr.) (9993. *Brachylomia populi* (Stkr.)) (Cloaked Peasant) – 8-VIII-2000 1, 23-VIII-2000 1.
 2009. *Brachylomia algens* (Grt.) (9998. *Brachylomia algens* (Grt.)) (Willow Peasant) – 15-VIII-2000 1 and 23-VIII-2000 1.
 2020. *Enargia infumata* (Grt.) (9550. *Enargia infumata* (Grt.)) (Lesser Angle-striped Sallow) – 2-VIII-2000 1.
 2021. *Ipimorpha pleonectusa* Grt. (9555. *Ipimorpha pleonectusa* Grt.) (Even-lined Sallow) – 2-VIII-2000 1, 8-VIII-2000 1, 12-IX-2000 1.

Noctuidae, Noctuinae, Orthosiini

2042. *Stretchia plusiaeformis* Hy. Edw. (10471. *Stretchia plusiaeformis* Hy. Edw.) (Gray Spectacles) – 27-IV-2000 6.
 2044. *Orthosia revicta* (Morr.) (10490. *Orthosia revicta* (Morr.)) (Subdued Quaker) – 27-IV-2000 7.
 2045. *Orthosia segregata* (Sm.) (10493. *Orthosia segregata* (Sm.)) (Segregate Penman) – 27-IV-2000 5. *Orthosia segregata* f. *negussa* (Sm.) – 27-IV-2000 1.
 2049. *Egira dolosa* (Grt.) (10513. *Egira dolosa* (Grt.)) (Grieving Woodling) – 27-IV-2000 2.

Noctuidae, Noctuinae, Hadenini

2064. *Anarta farnhami* (Grt.) (10232. *Discestra farnhami* (Grt.)) (Farnham's Discestra) – 6-VI-2000 1.
 2074. *Polia nimbosa* (Gn.) (10275. *Polia nimbosa* (Gn.)) – 27-VI-2000 1, 4-VII-2000 2 and 11-VII-2000 3.
 2075. *Polia imbrifera* (Gn.) (10276. *Polia imbrifera* (Gn.)) (Cloudy Arches) – 4-VII-2000 1, 11-VII-2000 1.
 2079. *Polia purpurissata* (Grt.) (10280. *Polia purpurissata* (Grt.)) (Purple Arches) – 2-VIII-2000 2.
 2082. *Lacanobia atlantica* (Grt.) (10297. *Lacanobia atlantica* (Grt.)) (Atlantic Arches) – 6-VI-2000 2.
 2085. *Melanchra adjuncta* (Gn.) (10292. *Melanchra adjuncta* (Gn.)) (Hitched Arches) – 24-VII-2000 1.
 2088. *Melanchra assimilis* (Morr.) (10295. *Melanchra assimilis* (Morr.)) (Black Arches) – 12-VI-2000 1.
 2090. *Spiramater lutra* (Gn.) (10301. *Spiramater lutra* (Gn.)) (Darling Arches) – 4-VII-2000 1.

2096. *Trichordestra liquida* (Grt.) (10308. *Trichordestra liquida* (Grt.)) (Liquid Arches) – 6-VI-2000 1.

Noctuidae, Noctuinae, Leucaniini

2112. *Faronta diffusa* (Wlk.) (10431. *Faronta diffusa* (Wlk.)) (Cloudy Wainscot or Wheat-head Armyworm Moth) – 6-VI-2000 1.
2114. *Mythimna oxygala* (Grt.) (10436. *Aletia oxygala* (Grt.)) (Lesser Wainscot) – 4-VII-2000 1, 2-VIII-2000 2, 8-VIII-2000 1, 15-VIII-2000 1.
2118. *Leucania multilinea* Wlk. (10446. *Leucania multilinea* Wlk.) (Many-lined Wainscot) – 24-VII-2000 1.
2119. *Leucania commoides* Gn. (10447. *Leucania commoides* Gn.) (Comma Wainscot) – 2-VIII-2000 1, 8-VIII-2000 1.
2120. *Leucania insueta* Gn. (10449. *Leucania insueta* Gn.) (Heterodox Wainscot) – 24-VII-2000 1.

Noctuidae, Noctuinae, Eriopygini

2142. *Lacinipolia meditata* (Gt.) (10368. *Lacinipolia meditata* (Grt.)) (The Thinker or the Pink-backed Cutworm Moth) – 24-VII-2000 1, 2-VIII-2000 2.
2143. *Lacinipolia lustralis* (Grt.) (10370. *Lacinipolia lustralis* (Grt.)) (Lustrous Arches) – 27-VI-2000 4 and 4-VII-2000 1.
2150. *Lacinipolia renigera* (Steph.) (10397. *Lacinipolia renigera* (Steph.)) (Kidney-spotted Arches or Bristly Cutworm Moth) – 11-VII-2000 1.
2152. *Lacinipolia lorea* (Gn.) (10405. *Lacinipolia lorea* (Gn.)) (Bridled Arches) – 27-VI-2000 1, 4-VII-2000 2.
2153. *Lacinipolia olivacea* (Morr.) (10406. *Lacinipolia olivacea* (Morr.)) (Olive Arches) – 24-VII-2000 2, 2-VIII-2000 1, 8-VIII-2000 1, 15-VIII-2000 1.
2162. *Protorthodes oviduca* (Gn.) (10563. *Protorthodes oviduca* (Gn.)) (Ruddy Quaker) – 6-VI-2000 6.
2168. "*Polia*" *detracta* (Wlk.) (10288. *Polia detracta* (Wlk.)) (Disparaged Arches) – 27-VI-2000 2, 4-VII-2000 1.

Noctuidae, Noctuinae, Noctuini

2174. *Anicla tepperi* (Sm.) (10910. *Euagrotis tepperi* (Sm.)) (Black-girdled Dart) – 4-VII-2000 1.
2194. *Euxoa messoria* (Harr.) (10705. *Euxoa messoria* (Harr.)) (Reaper Dart or Dark-sided Cutworm) – 12-IX-2000 1.
2204. *Euxoa tristicula* (Morr.) (10723. *Euxoa tristicula* (Morr.)) (Three-marked Dart or Early Cutworm Moth) – 11-VII-2000 1.
2216. *Euxoa campestris* (Grt.) (10756. *Euxoa campestris* (Grt.)) (Flat Dart) – 8-VIII-2000 1.
2228. *Euxoa ochrogaster* (Gn.) (10801. *Euxoa ochrogaster* (Gn.)) (Red-backed Cutworm Moth) – 2-VIII-2000 1, 14-VIII-2000 1, 15-VIII-2000 1.
2274. *Feltia jaculifera* (Gn.) (10670. *Feltia jaculifera* (Gn.)) (Dingy Cutworm Moth) – 2-VIII-2000 1, 8-VIII-2000 1.
2275. *Feltia herilis* (Grt.) (10676. *Feltia herilis* (Grt.)) (Master's Dart) – 24-VII-2000 3, 2-VIII-2000 2.

2282. *Agrotis venerabilis* Wlk. (10651. *Agrotis venerabilis* Wlk.) (Venerable Dart) – 15-VIII-2000 1.
2293. *Diarsia rosaria* (Grt.) (10921. *Diarsia rosaria* (Grt.)) (Rosy Dart) – 6-VI-2000 1.
2294. *Cerastis salicarum* (Wlk.) (10996. *Cerastis salicarum* (Wlk.)) (Willow Dart) – 27-IV-2000 2.
2295. *Paradiarsia littoralis* (Pack.) (10992. *Paradiarsia littoralis* (Pack.)) (Labrador Dart) – 27-VI-2000 1, 4-VII-2000 1, 11-VII-2000 2, 2-VIII-2000 1.
2301. *Cryptocala acadiensis* (Bethune) (11012. *Cryptocala acadiensis* (Bethune)) (Catocaline Dart) – 11-VII-2000 3, 24-VII-2000 3, 2-VIII-2000 1.
2302. *Spaelotis clandestina* (Harr.) (10926. *Spaelotis clandestina* (Harr.)) (Clandestine Dart) – 6-VI-2000 1, 12-VI-2000 1, 4-VII-2000 1, 24-VII-2000 1.
2304. *Eurois occulta* (L.) (10929. *Eurois occulta* (L.)) (Great Grey Dart) – 27-VI-2000 1, 4-VII-2000 1, 2-VIII-2000 1, 12-IX-2000 1.
2305. *Eurois astricta* (Morr.) (10930. *Eurois astricta* (Morr.)) (Great Brown Dart) – 11-VII-2000 1, 2-VIII-2000 1.
2309. *Anaplectoides pressus* (Grt.) (11001. *Anaplectoides pressus* (Grt.)) (Dappled Dart or Broad-winged Dart) – 24-VII-2000 1.
2313. *Xestia smithii* (Snell.) (10944. *Xestia smithii* (Snell.)) (Smith's Dart or Spotted Clay Dart) – 8-VIII-2000 2, 15-VIII-2000 3, 23-VIII-2000 1.
2322. *Xestia c-nigrum* (Franc.) (10942. *Xestia c-nigrum* (Franc.)) (Black-letter Dart) – 4-VII-2000 1, 2-VIII-2000 1.
2335. *Agnorisma bugrai* (Koçak) (10954. *Xestia collaris* (G. & R.)) (Collared Dart) – 8-VIII-2000 3, 14-VIII-2000 1, 15-VIII-2000 2, 23-VIII-2000 1.
2337. *Pseudohermonassa tenuicula* (Morr.) (10951. *Pseudohermonassa tenuicula* (Morr.)) (Hair-pin Dart) – 2-VIII-2000 1.
2344. *Protolampra rufipectus* (Morr.) (11004. *Protolampra rufipectus* (Morr.)) (Red-breasted Dart) – 24-VII-2000 2, 2-VIII-2000 3, 8-VIII-2000 3.

DISCUSSION

An analysis of the data from the present study of the moths encountered in twelve major study areas in south-central Alberta, reveals that the present area (LF) has less than 45% similarity to any of the others. As this study area has only aspen woods it has lower biodiversity than the other study areas.

SUMMARY

Two hundred and thirty-four species of 236 moths and nine butterflies and skippers are reported from an area of aspen (*Populus tremuloides*) woods in south-central Alberta. To put things into perspective, Pohl et al (2010) document 2367 species of Lepidoptera for Alberta.

Of the 14 major areas involved in the present study, five species of moths were found only in the aspen woods of the former Lloyd Lohr Farm, SE of Erskine – *Gracillaria* sp. nr. *syringella*, *Chionodes lugubrella*, *Dichomeris bilobella*, *Ortholepis pasadamia* and *Ematurga amitaria*.

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USEFUL ONLINE INFORMATION SOURCES ON MOTHS

Information on many of our Alberta moths can be found at the Entomology Collection Search site of the E.H. Strickland Entomological Museum of the Department of Biological Sciences at the University of Alberta: <http://www.entomology.ualberta.ca/>.

Illustrations of Alberta macromoths can be found at a site put together by D. Lafontaine and J. Troubridge called "The Moths of Canada":

http://www.cbif.gc.ca/spp_pages/misc_moths/phps/mothindex_e.php.

Illustrations on many of the western American macromoths can also be found on a site put together by The Moth Photographers Group:

<http://www.origins.tv/MothPhotographersGroup/WestPlates.htm>.

D. Lynn Scott has a web site with natural photos of over 400 species of moths that she has found in Ottawa, Ontario (<http://www.hei.ca/dls/mothindex.html>). As many of the species also occur in Alberta, these images can be quite helpful

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