

ADDITIONS TO THE FOREST LEPIDOPTERA OF
MANITOBA AND SASKATCHEWAN

Recorded by the Forest Insect Survey

by

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FOREST RESEARCH LABORATORY

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FORESTRY BRANCH

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ABSTRACT

One hundred and nine species have been added to the list of forest Lepidoptera compiled by McGugan (1958) and Prentice (1962, 1963, 1965) for Manitoba and Saskatchewan. Fifty-three of these species were not recorded by these authors for the forested areas of Canada.

INTRODUCTION

A number of species of forest Lepidoptera have been collected by the Forest Insect and Disease Survey in Manitoba and Saskatchewan, which have not been recorded in the four volumes of the Forest Lepidoptera of Canada by McGugan (1958) and Prentice (1962, 1963, 1965). The species are listed here to update the compilation of this group of forest insects in these two provinces, and to provide additional information on their distribution in Canada.

The procedure followed in compiling the data and method of presentation are those outlined by McGugan (1958) and adopted by Prentice (1962, 1963, 1965). The same number designated for each species in the Forest Lepidoptera of Canada is used for the species not previously recorded for Manitoba and Saskatchewan. Those species not recorded in the Forest Lepidoptera of Canada are indicated by an asterisk.

Listed below are 109 additions to the Forest Lepidoptera of Manitoba and Saskatchewan. Fifty-three of these are not recorded by McGugan or Prentice for Canada. The compilation includes such economically important species as the larch casebearer, Coleophora laricella, the eastern pine-shoot borer, Eucosma gloriola and the Zimmerman pine moth, Dioryctria zimmermani as occurring in Manitoba.

MACROLEPIDOPTERA

NYMPHALIDAE

(8) Polygonia satyrus Edw.

Distribution: Collected at Katepwa Beach, Saskatchewan.

Hosts: Green ash 1

Feeding Type: A leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in early August and adult emerged early September.

(9) Polygonia faunus Edw.

Distribution: Collected at Lac la Ronge, Saskatchewan.

Hosts: White birch 1

Feeding type: A defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1955 -- 1, 1

Seasonal Occurrence: Larva collected in June and adult emerged in late July.

* Polygonia progne Cram.

Distribution: Collected at White Lake and Fort Garry, Manitoba.

Hosts: Gooseberry 2

Feeding Type: A defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1946 -- 1, 1 1949 -- 1, 1

Seasonal Occurrence: Larva collected in early July and adults emerged
in late July and early August.

* Vanessa atalanta L.

Distribution: Collected at Moose Mountain, Manitoba.

Hosts: Willow 1

Usual hosts are members of the nettle family

Feeding type: A solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 1

Seasonal Occurrence: Larva collected in mid-July and adult emerged
in mid-August.

LYCAENIDAE

* Lycaenopsis pseudargiolus marginata Edw.

Distribution: Collected at Harding Lake in northern Manitoba.

Hosts: Alternate-leaf dogwood 1

Feeding Type: Probably a solitary defoliator.

Prevalence: Rare,

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Pupa collected in late July and adult emerged next spring.

(18) Strymon falacer Godt.

Distribution: Collected at Totes Aids and Spruce Woods Provincial Forest in Manitoba.

Hosts: Bur oak 3

Feeding Type: A defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1948 -- 2, 3 1951 -- 1, 1

Seasonal Occurrence: Larvae collected during late May and June, and adults emerged in July.

HESPERIIDAE

* Hesperia uncas Edw.

Distribution: Collected at Dumble, Saskatchewan.

Hosts: Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1962 -- 1, 1

Seasonal Occurrence: Larva collected in late August, and adult emerged early September.

SPHINGIDAE

(36) Sphinx drupiferarum A. & S.

Distribution: Collected at Winnipeg and Hodgson in Manitoba.

Hosts: Manitoba maple 1

Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 1, 1 1964 -- 1, 1

Seasonal Occurrence: Larvae collected in August and adults emerged next spring.

* Darapsa pholus Cram.

Distribution: Collected at Rennie, Manitoba and Neudorf, Saskatchewan.

Hosts: Willow 1

Trembling aspen.. 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1 1954 -- 1, 1

Seasonal Occurrence: Larvae collected in early and mid-September, and adults emerged next year in late June.

AMATIDAE

* Ctenucha virginica Charp.

Distribution: Collected in Manitoba at Washi and Audy Lake, and in Saskatchewan at Big River.

Hosts: Willow 2

Trembling aspen 1

Feeding Type: Defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 2, 2 1965 -- 1, 1

Seasonal Occurrence: Larvae collected in late May and adults emerged in late June.

ARCTIIDAE

* Eubaphe ferruginosa Wlk.

Distribution: Collected at Rennie, Manitoba.

Hosts: Jack pine 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1948 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged
in mid-July.

* Apantesis parthenice Kby.

Distribution: Collected at Cumberland House and Brereton Lake in Manitoba.

Hosts: Willow 1

Tamarack 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1962 -- 1, 1 1964 -- 1, 1

Seasonal Occurrence: Larvae collected from late June to early July and
the adults emerged from mid-July to early August.

* Apantesis williamsii Dodge

Distribution: Collected at Caddy Lake, Manitoba.

Hosts: Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged in
early July.

AGARISTIDAE

* Alypia langtoni Coup.

Distribution: Collected at Grandview, Manitoba.

Hosts: Tamarack 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1951 -- 1, 1

Seasonal Occurrence: Larva collected in mid-August and adult emerged next year in late summer.

NYCTEOLIDAE

(86) Baileya doubledayi Gn.

Distribution: Collected in Manitoba at Rennie, and in Saskatchewan at Skunk Creek and Greenbush.

Hosts: Alder 2

Hazel 1

Feeding Type: Defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 2, 2 1961 -- 1, 1

Seasonal Occurrence: Larvae collected in early August and adults emerged next year in early June.

NOCTUIDAE

* Acronicta leporina cretoides Benj.

Distribution: Collected at Pine Ridge, Manitoba.

Hosts: Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1957 -- 1, 1

Seasonal Occurrence: Larva collected in late July and adult emerged next summer.

* Acronicta distans Grt.

Distribution: Collected at Moose Lake, Manitoba.

Hosts: Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged in mid-July.

(129) Acronicta lanceolaria Grt.

Distribution: Collected at Manigotogan Lake, Manitoba.

Hosts: Tamarack 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Larva collected in early August and adult emerged next spring.

(132) Peridroma margaritosa Haw.

Distribution: Collected at Winnipeg, Manitoba.

Hosts: Rose 1

Feeding Type: A solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged
in late July.

(139) Anomogyna mustelina Sm.

Distribution: Collected at Skunk Creek, Saskatchewan.

Hosts: White spruce 1

Feeding Type: A solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in late July.

* Mamestra curialis Sm.

Distribution: Collected in Manitoba at Clearwater River, and in
Saskatchewan at Waskesiu and Jeanette Lake.

Hosts: Alder 2

Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1 1961 -- 1, 1 1967 -- 1, 1

Seasonal Occurrence: Larvae collected during August and adults emerged next spring.

* Polia imbrifera Gn.

Distribution: Collected at Killarney, Manitoba.

Hosts: Choke cherry 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: This specimen overwintered as a larva in black knot fungus, and fed on the above host the following spring. The adult emerged in the summer.

(155) Polia adjuncta Bdv.

Distribution: Collected at Viellardville, Saskatchewan.

Hosts: Willow 1

Feed Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1

Seasonal Occurrence: Larva collected in late August and adult emerged next year in late June.

* Morrisonia evicta Grt.

Distribution: Collected at Miami and Hadashville in Manitoba.

Hosts: Choke cherry 1

Willow 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1963 — 2, 2

Seasonal Occurrence: Larvae collected in late June and adults emerged next year in June.

* Oncocnemis piffardi Wlk.

Distribution: Collected at Rennie and White Lake in Manitoba.

Hosts: Spiraea 2

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1946 -- 2, 2

Seasonal Occurrence: Larvae collected in mid-June and adults emerged in early August.

(183) Bombycia algens Grt.

Distribution: Collected at Emberville, Saskatchewan.

Hosts: Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1953 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged in late July.

(192) Lithophane petulca ferrealis Grt.

Distribution: Collected in Manitoba at Riding Mountain National Park
and Lac du Bonnet, and in Saskatchewan at Prince Albert.

Hosts: White birch 2

Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1951 -- 1, 1 1952 -- 2, 2

Seasonal Occurrence: Larvae collected in mid-June and adults emerged
in late July and early August.

(205) Lithophane pexata Grt.

Distribution: Collected in Manitoba at Pine Dock and Darwin, and in
Saskatchewan at Waskesiu.

Hosts: Alder 3

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1956 -- 1, 1 1960 -- 1, 1 1964 -- 1, 1

Seasonal Occurrence: Larvae collected in late June and adults emerged
in late August.

* Parastichtis discivaria Wlk.

Distribution: Collected at Pierceland, Saskatchewan.

Hosts: Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1963 -- 1, 1

Seasonal Occurrence: Late instar larva collected in late May and apparently overwinters in this stage. Pupation takes place in early June and adult emerged in late June.

* Eucirrhoedia pampina Gn.

Distribution: Collected at Fort Garry, Manitoba.

Hosts: Willow 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1945 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged in early September.

(233) Oligia illocata Wlk.

Distribution: Collected at Family Lake in northern Manitoba.

Hosts: Willow 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged in mid-August.

* Hypocoena inquinata Gn.

Distribution: Collected near Rennie, Manitoba.

Hosts: Alder 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in early August and adult emerged next summer.

(236) Phlogophora periculosa Gn.

Distribution: Collected at Rennie, Moose Lake and Lone Island Lake in Manitoba.

Hosts: See Prentice (1962) and Crumb (1956).

Feeding Type: Probably solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1958 -- 1, 1 1960 -- 1, 1 1963 -- 2, 2

Seasonal Occurrence: Collected only as adults from late July to mid-August.

(241) Andropolia aedon Grt.

Distribution: Collected at Cypress Hills, Saskatchewan.

Hosts: Balsam poplar 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged in mid-August.

* Dysocnemis borealis Hamp.

Distribution: Collected at The Pas in northern Manitoba, and at Keeley Lake and Gray Lake in northern Saskatchewan.

Hosts: Jack pine 2

Tamarack 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1955 -- 1, 1 1961 -- 1, 1 1962 -- 1, 1

Seasonal Occurrence: Larvae collected in July and adults emerged
next spring.

(269) Catocala unijuga Wlk.

Distribution: Collected at Grandview in Manitoba, and at Moosomin and
Prince Albert in Saskatchewan.

Hosts: Trembling aspen 3

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1957 -- 2, 2 1958 -- 1, 1

Seasonal Occurrence: Larvae collected in early June and adults
emerged in mid- and late July.

(300) Zanclognatha protumnusalis Wlk.

Distribution: Collected at Sprague, Manitoba.

Hosts: White spruce 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in mid-July.

NOTODONTIDAE

* Ichthyura strigosa Grt.

Distribution: Collected in Manitoba at Stead, St. Laurent, Telford and
Spruce Woods Provincial Forest; and in Saskatchewan at Bulyea.

Hosts: Trembling aspen 5

Feeding Type: Solitary leaf folder.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | | | | |
|---------|----|---|---------|----|---|
| 1952 -- | 1, | 2 | 1958 -- | 1, | 2 |
| 1956 -- | 1, | 1 | 1959 -- | 1, | 1 |
| | | | 1962 -- | 1, | 1 |

Seasonal Occurrence: Larvae collected in July and August, and adults
emerged early next summer.

* Hyperaeschra georgica H. -S

Distribution: Collected at Steinbach, Manitoba.

Hosts: Manitoba maple 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | |
|---------|----|---|
| 1963 -- | 1, | 1 |
|---------|----|---|

Seasonal Occurrence: Larva collected in early July and adult emerged
late next summer.

(316) Lophodonta angulosa A. & S.

Distribution: Collected at White Lake and Fort Garry in Manitoba.

Hosts: Bur oak 2

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1955 -- 1, 1 1961 -- 1, 1

Seasonal Occurrence: Larvae collected from early August to early
September and adults emerged next year in late July.

(320) Symmerista canicosta Franc.

Distribution: Collected at Baldur, Manitoba.

Hosts: White birch 1

Feeding Type: Defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 12

Seasonal Occurrence: Larvae collected in early September and adults
emerged next summer.

(342) Gluphisia lintneri Grt.

Distribution: Collected at Dorintosh, Saskatchewan.

Hosts: Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1953 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
next spring.

DREPANIDAE

* Eudeilinia herminiata Gn.

Distribution: Collected at Riverton, Punk Island, Simonhouse Lake
and Pine Dock in Manitoba.

Hosts: Alternate-leaf dogwood 6

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 1, 5 1964 -- 5, 5

Seasonal Occurrence: Larvae collected in early August and adults
emerged next year in June.

GEOMETRIDAE

(393) Epirrita autumnata henshawi Swett

Distribution: Collected at Prince Albert, Saskatchewan.

Hosts: Tamarack 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1951 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in early September.

(400) Eupithecia columbiata Dyar

Distribution: Collected at Rennie, Manitoba.

Hosts: Alder 1

Ash 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1948 -- 2, 2

Seasonal Occurrence: Larvae collected from mid-June to late July and adults emerged next spring.

* Eupithecia nimbicolor Hlst.

Distribution: Collected at Boggy River, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1953 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged next spring.

(455) Dysstroma citrata Linn.

Distribution: Collected at Jan Lake, Manitoba, and Ft. à la Corne, Saskatchewan.

Hosts: Tamarack 1

Trembling aspen 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1 1966 -- 1, 1

Seasonal Occurrence: Larvae collected from early to late June and adults emerged from late June to late July.

(468) Hydriomena renuntiata Wlk.

Distribution: Collected at Whiteshell Provincial Park in Manitoba, and
in Saskatchewan at Armit and Viellardville.

Hosts: Alder 4

White spruce ... 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1 1960 -- 3, 3 1965 -- 1, 1

Seasonal Occurrence: Larvae collected from early August to early
September and adults emerged next year from late May to mid-June.

* Hydriomena manitoba B. & McD.

Distribution: Collected at Prairie River in Saskatchewan, and Chisel Lake
in Manitoba.

Hosts: Alder 2

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1 1965 -- 1, 1

Seasonal Occurrence: Larvae collected from mid-June to early August
and adults emerged next spring.

* Hydriomena ruberata Frey.

Distribution: Collected at Caulder's Dock in the Interlake District of
Manitoba.

Hosts: Alder 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1

Seasonal Occurrence: Larva collected in early September and adult emerged next year in June.

(478) Hydrelia inornata Hlst.

Distribution: Collected near Rennie in the Whiteshell Provincial Park, Manitoba, and Hudson Bay, Saskatchewan.

Hosts: Alder 4

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1 1960 -- 2, 2 1964 -- 1, 1

Seasonal Occurrence: Larvae collected in early August and adults emerged next year in late June.

(504) Semiothisa neptaria Gn.

Distribution: Collected at Stoughton, Saskatchewan.

Hosts: Willow 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in late July and adult emerged in mid-August.

* Itame ribearia Fitch

Distribution: Collected at Cardale in Manitoba, and Moose Jaw, Eyebrow,
Shaunavon, Brownlee and Mortlach in Saskatchewan.

Hosts: Currant 4

Gooseberry 3

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | | | | |
|---------|----|---|---------|----|---|
| 1948 -- | 2, | 3 | 1954 -- | 1, | 1 |
| 1950 -- | 1, | 1 | 1956 -- | 1, | 1 |
| 1951 -- | 2, | 3 | | | |

Seasonal Occurrence: Larvae collected in early July and adults
emerged in early August.

* Itame fulvaria Vill.

Distribution: Collected at Rennie in the Whiteshell Provincial
Park, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | |
|---------|----|---|
| 1947 -- | 1, | 1 |
|---------|----|---|

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in early July.

* Itame coortaria enigmata B. & McD.

Distribution: Collected in Manitoba at Stead and Riverton, and in
Saskatchewan at Rutland, Goodeve and Cypress Hills.

Hosts: Choke cherry 2 Willow 2

Tamarack 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 2, 2 1967 -- 1, 2

1966 -- 2, 2

Seasonal Occurrence: Larvae collected in late May to late June and
adults emerged in late June to late July.

* Stenoporpia polygrammaria Pack.

Distribution: Collected at Spy Hill, Saskatchewan.

Hosts: Bur oak 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged
next spring.

(556) Euchlaena marginata Minot

Distribution: Collected at Sandilands Provincial Forest, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1

Seasonal Occurrence: Larva collected in mid-August and adult emerged
next year in June.

* Apaecasia detersata Gn.

Distribution: Collected at Whitemouth, Manitoba.

Hosts: Tamarack 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1949 -- 1, 1

Seasonal Occurrence: Larva collected in late August and adult emerged next year in early June.

MICROLEPIDOPTERA

LIMACODIDAE

(625) Tortricidia testacea Pack.

Distribution: Collected in the Whiteshell Provincial Park, Manitoba.

Hosts: Bur oak 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1

Seasonal Occurrence: Larva collected in late August and adult emerged next year in July.

PYRALIDAE

* Nomophila noctuella D. & S.

Distribution: Collected at Hadashville and Fort Garry in Manitoba.

Hosts: White spruce 3

Feeding Type: Usually found feeding on weeds, but has been found in nurseries defoliating spruce seedlings.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 1, 1 1966 -- 2, 4

Seasonal Occurrence: Larvae collected in late July and adults emerged in late August.

* Phlyctaenia sambucalis Schiff.

Distribution: Collected at Stead and Agassiz Provincial Forest in Manitoba.

Hosts: Choke cherry 2

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 1 1967 -- 1, 1

Seasonal Occurrence: Larvae overwintered in black knot of cherry and fed on the leaves in the spring. Adults emerged in late May.

(659) Dioryctria zimmermani Grt.

Distribution: Collected in Manitoba at Rennie, Telford, Stead and Sandilands Provincial Forest.

Hosts: Jack pine 4

Feeding Type: A nodule forming shoot borer.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 2, 4 1961 -- 2, 2

Seasonal Occurrence: Larvae collected from early June to mid-July and adults emerged in late July.

* Nephopteryx termitalis Hlst.

Distribution: Collected at Katimik Lake, Manitoba.

Hosts: Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in early July and adult emerged next year in June.

TORTRICIDAE

(680) Aphania spinulana McD.

Distribution: Collected at Root Lake, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1957 -- 1, 1

Seasonal Occurrence: Larva collected in mid-August and adult emerged next year in late June.

(681) Aphania tertiana McD.

Distribution: Collected at Kakawa, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1

Seasonal Occurrence: Larva collected in mid-August and adult emerged next year in late June.

* Aphania removana Kft.

Distribution: Collected at Pelly, Saskatchewan.

Hosts: Trembling aspen 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged
in early July.

* Aphania saliciana Free.

Distribution: Collected at Waskesiu and Dore Lake, Saskatchewan.

Hosts: Alder 1

Balsam poplar .. 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 2, 2

Seasonal Occurrence: Larvae collected in early July and adults emerged
in late July.

(699) Exartema tilianum Heinr.

Distribution: Collected at Portage la Prairie, Manitoba.

Hosts: Basswood 1

Feeding Type: Solitary leaf tier.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged
in late June.

* Olethreutes polluxana McD.

Distribution: Collected at Lakeland, Manitoba.

Hosts: Trembling aspen 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in early July.

(713) Evora hemidesma Zell.

Distribution: Collected at Rennie, Manitoba.

Hosts: Alder 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 1, 2

Seasonal Occurrence: Larvae collected in mid-June and adults emerged
in mid-July.

(726) Eucosma gloriola Heinr.

Distribution: Collected in the Sandilands Provincial Forest and at
Pine Falls in Manitoba.

Hosts: Jack pine 133

Feeding Type: Shoot borer attacking leaders and laterals of jack pine.

Prevalence: Generally rare and only occurred occasionally in 1963 to
1966 in the Sandilands Provincial Forest.

Summary of Collections and Specimens Received

| | | | | | | | | |
|---------|-----|-----|---------|-----|-----|---------|-----|-----|
| 1950 -- | 1, | 1 | 1962 -- | 5, | 43 | 1963 -- | 16, | 365 |
| 1964 -- | 41, | 185 | 1965 -- | 45, | 389 | 1966 -- | 23, | 125 |
| 1967 -- | 2, | 2 | | | | | | |

Seasonal Occurrence:

Egg: Probably from mid-May to mid-June.

Larva: Early June to mid-August.

Pupa: Mid-July to early August.

Adult: Probably late May.

* Epiblema culminana Wlshm.

Distribution: Collected at Rennie, Manitoba.

Hosts: Rose 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged
in late July.

(757) Epinotia emarginana Wlshm.

Distribution: Collected at Spruce Woods Provincial Forest, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 1

Seasonal Occurrence: Larva collected in mid-June and adult emerged
in late July.

(764) Epinotia medioplagata Wlshm.

Distribution: Collected in Saskatchewan at Cypress Hills, La Ronge and Hendon.

Hosts: Willow 3

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1 1967 -- 2, 2

Seasonal Occurrence: Larvae collected in June and adults emerged from late June to late July.

* Anchylopera angulifasciana Zell.

Distribution: Collected at Riverton, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in mid-August and adult emerged next year in June.

(775) Grapholitha prunivora Walsh

Distribution: Generally distributed in the aspen grove and aspen-oak sections of Manitoba and Saskatchewan.

Hosts: Choke cherry 21

Feeding Type: Larvae feeding within a black-knot fungus.

Prevalence: Occurs occasionally in Survey records.

Summary of Collections and Specimens Received

1964 -- 7, 17 1966 -- 8, 37
1965 -- 5, 90 1967 -- 1, 1

Seasonal Occurrence: Larvae collected from early July to early November. Some may overwinter in the larval stage, but the majority of them drop to the ground and pupate in the fall. Adults emerged in mid-June.

* Laspeyresia ingrata Heinr.

Distribution: Collected at Riding Mountain National Park in western Manitoba, and at Uranium City and Indian Head in Saskatchewan.

Hosts: Trembling aspen 3

Feeding Type: Larvae were found feeding in the bark and rough crevices of trembling aspen.

Prevalence: Rare.

Summary of Collections and Specimens Received

1948 -- 1, 2 1963 -- 1, 2 1964 -- 1, 5

Seasonal Occurrence: Larvae collected during the summer and fall.

Pupae observed in May and adults emerged from late May to July.

(791) Sparganothis sulfureana Clem.

Distribution: Collected at The Pas, Manitoba.

Hosts: Jack pine 1

Feeding Type: Solitary feeder.

Prevalence: Rare.

Summary of Collections and Specimens Received

1961 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged in mid-July.

(800) Eulia ministrana Linn.

Distribution: Collected in Saskatchewan at Buffalo Narrows and
Madge Lake, and in Manitoba at Atik Lake.

Hosts: Alder 2

White birch 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1 1960 -- 1, 1 1961 -- 1, 1

Seasonal Occurrence: Larvae collected from mid-August to mid-September
and adults emerged next year in June.

(820) Choristoneura obsoletana Wlk.

Distribution: Collected at Riding Mountain National Park, Manitoba.

Hosts: Choke cherry 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1

Seasonal Occurrence: Pupa collected in mid-July and adult emerged
in early August.

(827) Argyrotaenia tabulana Free.

Distribution: Collected in Saskatchewan at Crutwell and Prince Albert,
and in Manitoba at Dawson Cabin.

Hosts: Jack pine 15

Feeding Type: Solitary leaf miner, usually feeds within webbed needles.

Prevalence: Generally rare and only occurred occasionally in 1961 to 1963.

Summary of Collections and Specimens Received

| | | | | | |
|---------|----|----|---------|----|----|
| 1961 -- | 7, | 21 | 1963 -- | 3, | 17 |
| 1962 -- | 4, | 77 | 1965 -- | 1, | 2 |

Seasonal Occurrence:

Egg: Late May to early July

Larva: Late May to August.

Pupa: Late August to mid-September.

Adult: Late May to mid-June.

* Croesia curvalana Kft.

Distribution: Collected at Carberry, Mafeking and Morden in Manitoba.

Hosts: Rose 3

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | | | | | | | |
|---------|----|---|---------|----|---|---------|----|---|
| 1951 -- | 1, | 1 | 1966 -- | 1, | 1 | 1967 -- | 1, | 1 |
|---------|----|---|---------|----|---|---------|----|---|

Seasonal Occurrence: Larvae collected in late June, and adults emerged
in mid-July.

* Acleris oxycoccana Pack.

Distribution: Collected at Meadow Lake, Saskatchewan.

Hosts: Willow 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

| | | |
|---------|----|---|
| 1953 -- | 1, | 3 |
|---------|----|---|

Seasonal Occurrence: Larvae collected in mid-August and adults emerged
in late September.

(839) Acleris emargana Fabr.

Distribution: Collected in Manitoba at Wallace Lake, Prospector and
Ospwagon Lake, and in Saskatchewan at Bertwell.

Hosts: Willow 4

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 2, 2 1960 -- 1, 1 1965 -- 1, 1

Seasonal Occurrence: Larvae collected from late May to late June and
adults emerged from early July to early August.

(845) Acleris chalybeana Fern.

Distribution: Collected at Bird Lake, Manitoba.

Hosts: Bur oak 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1

Seasonal Occurrence: Larva collected in early July and adult emerged
in mid-August.

* Acleris flavivittana Clem.

Distribution: Collected at Island Lake, Manitoba.

Hosts: Willow 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in late July and adult emerged
in early September.

* Acleris busckana McD.

Distribution: Collected at Alcott Creek and Pelly in Saskatchewan.

Hosts: Willow 2

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1 1962 -- 1, 1

Seasonal Occurrence: Larvae collected in late July and adults emerged from late August to early September.

* Acleris minuta Rob.

Distribution: Collected at Mortlach, Saskatchewan.

Host: Choke cherry 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged in late June.

(858) Acleris nivisellana Wlshm.

Distribution: Collected at Nutimik Lake, Manitoba.

Hosts: Pin cherry 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1958 -- 1, 1

Seasonal Occurrence: Larva collected in early August and adult emerged in early September.

PHALONIIDAE

(870) Phalonia rutilana Hbn.

Distribution: Collected at Victoria Beach, Manitoba.

Hosts: Juniper 1

Feeding Type: Solitary leaf miner in early instars; later a defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1967 — 1, 2

Seasonal Occurrence: Larvae collected in late June and adults emerged in late July.

COSMOPTERYGIDAE

* Batrachedra praeangusta Haw.

Distribution: Collected at Rennie in Manitoba, and Prince Albert in Saskatchewan.

Hosts: Trembling aspen 2

Feeding Type: Not known. Found in galleries of wood borers.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 2, 2

Seasonal Occurrence: Larvae collected in October and adults emerged next year in early June.

GELECHIIDAE

* Telphusa belangerella Cham.

Distribution: Collected in Manitoba at Rennie, Audy Lake and Wollaston Lake, and in Saskatchewan at Armit.

Hosts: Alder 2 Swamp birch 1
 Willow 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1960 -- 3, 6 1964 -- 1, 1

Seasonal Occurrence: Larvae and pupae collected in August and September
 and adults emerged next year in June.

* Xenolechia velatella Busck.

Distribution: Collected in Saskatchewan at Lac la Ronge, Duck Mountain
 Provincial Park and Greenwater Lake, and in Manitoba at Spruce Woods
 Provincial Park.

Hosts: Choke cherry 4

Feeding Type: Larvae found feeding in black knot fungus.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 4, 10

Seasonal Occurrence: Larvae collected from mid-June to late July and
 adults emerged next year in early June.

* Chionodes obscurusella Cham.

Distribution: Collected at Foam Lake and Lyleton in Manitoba.

Hosts: Manitoba maple 2

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 2, 2

Seasonal Occurrence: Larvae collected from mid- to late June and adults
 emerged in late July.

* Gelechia lynceella Zell.

Distribution: Collected in Saskatchewan at Indian Head and Pelly, and
in Manitoba at Gardenton.

Hosts: Trembling aspen 2

Willow 1

Feeding Type: Not known.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 3, 6

Seasonal Occurrence: Larvae collected in late May and early June and
adults emerged next year in June.

(900) Dichomeris ligulella Hbn.

Distribution: Collected in Manitoba at Winnipeg, Aubigny and Spruce
Woods Provincial Forest.

Hosts: Bur oak 3

Hawthorne 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1944 -- 2, 3 1965 -- 2, 4

Seasonal Occurrence: Larvae collected in late June and early July
and adults emerged from mid- to late July.

OECOPHORIDAE

(914) Martyrhilda klamathiana Wlshm.

Distribution: Collected at Cross Lake, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1963 -- 1, 1

Seasonal Occurrence: Larva collected in early July and adult
emerged in early August.

STENOMIDAE

(924) Stenoma algidella Wlk.Distribution: Collected at scattered points in Whiteshell Provincial
Park, Pine Falls and Moosehorn in Manitoba.

Hosts: Willow 3 White birch 1

Swamp birch 1

Feeding Type: Not known.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1 1964 -- 1 1

1960 -- 1, 1 1965 -- 3, 3

Seasonal Occurrence: Larvae collected in mid-August, and adults
emerged next year in July.

GLYPHIPTERYCIDAE

(926) Allononyma vicarialis Zell.

Distribution: Collected at Riding Mountain National Park, Manitoba.

Hosts: White birch 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1953 -- 1, 1

Seasonal Occurrence: Larva collected in early July and adult emerged in late July.

AEGERIIDAE

* Conopia bolteri Hy. Ed.

Distribution: Collected in Manitoba at McCreary, Crystal City, Sandy Lake, Kelwood and Chipaweyan Lake.

Hosts: Willow 5

Feeding Type: Larvae found boring in stems and in galleries of long-horned wood borers.

Prevalence: Rare.

Summary of Collections and Specimens Received

1963 -- 5, 6

Seasonal Occurrence: Very little known. Adults emerged from mid-May to early July.

(929) Synanthedon pictipes G. & R.

Distribution: Scattered collections in the aspen grove and aspen-oak section of Manitoba and Saskatchewan.

Hosts: Choke cherry 29

Plum 1

Feeding Type: Larvae found boring in black knot fungus and in stems.

Prevalence: Rare.

Summary of collections and Specimens Received

1963 -- 1, 1 1965 -- 12, 21

1964 -- 15, 19 1966 -- 2, 12

Seasonal Occurrence: Larvae collected throughout the summer. Adults emerged from early May to mid-July.

(930) Synanthedon albicornis Hy. Edw.

Distribution: Collected in Saskatchewan at Paddockwood, Uranium City, Martin Lake and Yorkton, and in Manitoba at Cartwright.

Hosts: Willow 4

Trembling aspen.. 1

Feeding Type: Larvae found in galleries of wood borers feeding in the trunk or stems.

Prevalence: Rare.

Summary of Collections and Specimens Received

1954 -- 1, 1 1965 -- 4, 4

Seasonal Occurrence: Larvae collected throughout the summer. Adults emerged from mid-May to August.

PLUTELLIDAE

(938) Trachoma falciferella Wlshm.

Distribution: Collected at Hargrave Lake, Manitoba.

Hosts: Choke cherry 1

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1952 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged
in late July.

(939) Trachoma senex Wlshm.

Distribution: Collected at Riding Mountain National Park, Manitoba.

Hosts: Willow 1

Feeding Type: Solitary defoliator.

Prevalence: Rare.

Summary of Collections and Specimens Received

1965 -- 1, 1

Seasonal Occurrence: Larva collected in mid-July and adult emerged
in early September.

(940) Cerostoma dorsimaculella Kft.

Distribution: Collected in Saskatchewan at Wood Mountain Regional Park,
Muenster, Red Pheasant and Leross.

Hosts: Willow 4

Feeding Type: Solitary leaf roller.

Prevalence: Rare.

Summary of Collections and Specimens Received

1959 -- 1, 1 1960 -- 1, 1 1966 -- 2, 2

Seasonal Occurrence: Larvae collected in early to late June, and
adults emerged from late June to late July.

* Harpiteryx dentiferella form frustrella Wlshm.

Distribution: Collected at Nisbet Provincial Forest, Saskatchewan.

Hosts: Jack pine 1

Feeding Type: Not known.

Prevalence: Rare.

Summary of Collections and Specimens Received

1962 -- 1, 1

Seasonal Occurrence: Larva collected in late June and adult emerged in mid-July.

YPONOMEUTIDAE

(943) Argyresthia oreasella Clem.

Distribution: Collected at Carberry, Manitoba.

Hosts: Choke cherry 1

Feeding Type: Larva found feeding in black knot fungus.

Prevalence: Rare.

Summary of Collections and Specimens Received

1964 -- 1, 1

Seasonal Occurrence: Larva collected in early June and adult emerged in early July.

COLEOPHORIDAE

(961) Coleophora laricella Hbn.

Distribution: Collected in southeastern Manitoba.

Hosts: Tamarack 3

Feeding Type: Casebearer, solitary defoliator.

Prevalence: Rare, at present time.

Summary of Collections and Specimens Received

1966 -- 3, 3

Seasonal Occurrence: Cases collected in the fall and adults emerged next year in May.

Tinea of Canada

TINEIDAE

* Tinea cloacella Haw.

Distribution: Collected at Candle Lake, Saskatchewan.

Hosts: White spruce 1

Feeding Type: Found feeding within red belt fungus.

Prevalence: Rare.

Summary of Collections and Specimens Received

1966 -- 1, 5

Seasonal Occurrence: Larvae and pupae collected in early September
and adults emerged next year in June.

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