

CAN CFS-NF N-X-17
Walter K. Stone

W. K. Stone

A CHECK LIST OF INSECTS CONTAINED IN THE FOREST INSECT MUSEUM, NEWFOUNDLAND REGION

by
K. E. Pardy, D. M. Stone,
and Susanne White

FOREST RESEARCH LABORATORY
ST. JOHN'S, NEWFOUNDLAND
INFORMATION REPORT N-X-19

FORESTRY BRANCH
APRIL, 1968



A CHECK LIST OF INSECTS CONTAINED IN THE
FOREST INSECT MUSEUM, NEWFOUNDLAND REGION

by

K.E. Pardy, D.M. Stone, and Susanne White

FOREST RESEARCH LABORATORY
ST. JOHN'S, NEWFOUNDLAND
INFORMATION REPORT N-X-19

Forestry Branch

April, 1968

PREFACE

This list of insects was compiled from specimens deposited in the permanent collection of the Forest Insect and Disease Survey, Newfoundland Region. The list also includes a few species identified by the Systematics Unit of the Entomology Research Institute, Ottawa, or other authorities and retained by them for the National Collection or for specific research programs.* All specimens listed have been collected in Newfoundland. The common names of host plants are shown, usually as abbreviations, when they were identified by the collector. A glossary of host plant abbreviations is provided in appendix A. Insect species are shown as hosts of parasites as determined from laboratory rearings.

The list was prepared for the convenience of personnel of the Forest Research Laboratory, St. John's, but may be of interest to other entomologists. It does not represent a check list of all species recorded by the Survey nor is it confined to forest insects of economic significance. However, it does provide an inventory which is a prerequisite to the development of a more complete museum collection of species encountered in forested areas of this region.

Species are listed in the order in which they occur in the Insect Species Code developed by the Forest Insect and Disease Survey. Where possible, common names of families have been selected from "The Bulletin of the Entomological Society of America Volume II, 1965" and "An Introduction to the Study of Insects, Revised edition 1964, by Borror and DeLong". Common names of species have been applied from the following sources: "The Bulletin of the Entomological Society of America Volume II 1965"¹; "French names of Insects of Canada, Third edition, 1964"²; and local names³.

SCIENTIFIC NAME	COMMON NAME	HOST
COLEOPTERA		
BUPRESTIDAE	Flatheaded wood borers	
<u>Melanophila fulvoguttata</u> Harr.	Hemlock borer ¹	bS, wS
CANTHARIDAE	Soldier beetles	
<u>Cantharis rotundicollis</u> Say		
CARABIDAE	Ground beetles	
<u>Carabus nemoralis</u> Mull.		
<u>Harpalus affinis</u> Sch.		
<u>Pterostichus adstrictus</u> Esch.		
<u>Sphaeroderus lecontei</u> Dej.		
CEPHALOIDAE	False longhorn beetles	
<u>Cephaloon lepturoides</u> Newn.		
CERAMBYCIDAE	Roundheaded wood borers	
<u>Acmaeops pratensis</u> Laich.		bF
<u>Acmaeops proteus</u> Kby.		
<u>Anoplodera canadensis</u> Oliv.		bF
<u>Anoplodera mutabilis</u> Newn.		wS
<u>Anoplodera nitens</u> Forst.		bS, bF, wB
<u>Anoplodera cordifera</u> Oliv.		bS, bF
<u>Anoplodera rubrica</u> Say		bS, bF
<u>Callidium violaceum</u> L.		
<u>Desmocerus palliatus</u> Forst.		E1
<u>Evodinus monticola</u> Rand.		bF
<u>Monochamus notatus</u> Drury	Northeastern sawyer ¹	wP
<u>Monochamus scutellatus</u> Say	White-spotted sawyer ¹	tL
<u>Neoclytus muricatulus</u> Kby.		tL

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Pachyta lamed</u> Linn.		bS
<u>Pogonocherus penicellatus</u> Lec.		S
<u>Rhagium inquisitor</u> Linn.		
<u>Xylotrechus colonus</u> F.	Rustic borer ¹	wB
<u>Xylotrechus undulatus</u> Say		bS
CHRYSOMELIDAE	Leaf beetles	
<u>Adoxus obscurus</u> Linn.	Western grape rootworm ¹	Fireweed
<u>Altica ambiens alni</u> Harr.	Alder flea beetle ¹	Al
<u>Chrysomela mainensis mainensis</u> Bech.	Alder leaf beetle ³	Al
<u>Chrysomela falsa</u> Brown	Willow leaf beetle ³	W
<u>Phratora purpurea purpurea</u> Brown		tA, W, wB
<u>Syneta ferruginea</u> Germ.		bF
<u>Syneta pilosa</u> Brown		bF
<u>Syneta extoris borealis</u> Brown		tL, wS, wB
CICINDELIDAE	Tiger beetles	
<u>Cicindela longilabris</u> Say		
COCCINELLIDAE	Lady beetles	
<u>Adalia bipunctata</u> Linn.	Two-spotted lady beetle ¹	wB
<u>Coccinella trifasciata trifasciata</u> Linn.		sAl
<u>Mulsantina hudsonica</u> Csy.		
CURCULIONIDAE	Snout beetles or weevils	
<u>Brachyrhinus singularis</u> Linn.		bF
<u>Brachyrhinus sulcatus</u> F.	Black vine weevil ¹	bF
<u>Sternochetus lapathi</u> Linn.	Poplar-and-willow borer ¹	Magnolia

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Hylobius warreni</u> Wood	Warren's collar weevil ²	scP
<u>Hylobius pinicola</u> Couper	Couper's collar weevil ²	bS
<u>Pissodes dubius</u> Rand.	Balsam bark weevil ²	tA, bF
<u>Pissodes strobi</u> Peck	White-pine weevil ¹	bS
<u>Strophosoma melanogrammum</u> Forst.		
DERMESTIDAE		
	Dermostid beetles	
<u>Dermostes lardarius</u> Linn.	Larder beetle ¹	
DYTISCIDAE		
	Predaceous diving beetles	
<u>Ilybius</u> sp.		
<u>Rhantus binotatus</u> Harr.		
ELATERIDAE		
	Click beetles, wireworms	
<u>Agriotes limosus</u> Lec.		bF, wB, wS
<u>Ctenicera appropinquans</u> Rand.		
<u>Ctenicera falsifica</u> Lec.		bS, bF, tA
<u>Ctenicera triundulata</u> Rand.		bS, wS
<u>Denticollis denticornis</u> Kby.		
LAMPYRIDAE		
	Fireflies	
<u>Lucidota corrussa</u> Linn.		tL, wS
LYCIDAE		
	Net-winged beetles	
<u>Dictyopterus aurora</u> Hbst.		bF, wS
MELANDRYIDAE		
	False darkling beetles	
<u>Emmesa connectens</u> Newn.		
<u>Serropalpus barbatus</u> Schall.		bF
MELOIDAE		
	Blister beetles	
<u>Meloe angusticollis</u> Say		
OEDEMERIDAE		
	Oedemerid beetles	
<u>Calopus angustus</u> Lec.		

SCIENTIFIC NAME	COMMON NAME	HOST
OSTOMIDAE	Ostomatid beetles	
<u>Ostoma ferruginea</u> Linn.		bF
<u>Thymalus marginicollis</u> Chev.		
PYROCHROIDAE	Fire-colored beetles	
<u>Dendroides concolor</u> Newm.		bF, pCh
SCARABAEIDAE	Scarabs	
<u>Aphodius fimetarius</u> Linn.		
<u>Dichelonyx elongatula</u> Schon.		
<u>Dichelonyx subvittata</u> Lec.		tA
<u>Geotrupes splendidus</u> F.		
SCOLYTIDAE	Bark beetles	
<u>Ips pini</u> Say	Pine engraver ¹	rP
<u>Pityogenes hopkinsi</u> Sw.		rP, wP
SILPHIDAE	Carrion beetles ¹	
<u>Silpha lapponica</u> Hbst.		
<u>Silpha surinamensis</u> F.		tL
STAPHYLINIDAE	Rove beetles ¹	
<u>Creophilus maxillosus</u> L.		
TENEBRIONIDAE	Darkling beetles ¹	
<u>Upis ceramboides</u> Linn.	Roughened darkling beetles ²	tA
	DIPTERA	
BIBIONIDAE	March flies	
<u>Bibio slossonae</u> Cock.		
TACHINIDAE	Tachina flies	
<u>Actia interrupta</u> Curr.		<u>Choristoneura fumiferana</u>
<u>Bessa harveyi</u> Tns.		<u>Pristiphora erichsonii</u>

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Drino bohémica</u> Mesn.		<u>Diprion hercyniae</u>
<u>Madremyia saundersii</u> Will.		<u>Choristoneura fumiferana</u>
<u>Nemorilla pyste</u> Wlk.		<u>Choristoneura fumiferana</u>
<u>Phryxe pecosensis</u> Tns.		<u>Choristoneura fumiferana</u>
<u>Winthemia occidentis</u> Rnh.		<u>Lambdina fiscellaria</u> <u>fiscellaria</u>
<u>Eumea caesar</u> Ald.		<u>Choristoneura fumiferana</u>

HEMIPTERA

CYDNIDAE	Burrower bugs	
<u>Sehirus cinctus</u> P. DeB.		
LAGAEIDAE	Plant bugs	
<u>Eremocoris ferus</u> Say		
NABIDAE	Damselfly bugs	
<u>Nabis ferus</u> L.		
PENTATOMIDAE	Stink bugs	
<u>Chlorochroa uhleri</u> Say		
<u>Meadorus lateralis</u> Say		

HOMOPTERA

APHIDIDAE	Aphids or plant lice	
<u>Aphis saliceti</u> Kalt.		W
<u>Capitophorus ribis</u> Linn.		Currant
<u>Chaitophorus populifoliae</u> Oest.		tA
<u>Cinara fornacula</u> H.		wS
<u>Cinara laricifex</u> Fitch		tL
<u>Cinara obscura</u> Brad.		wS

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Cinara abieticola</u> Cholod.		bF
<u>Cinara braggii</u> Gill.		wS
<u>Pterocomma populifoliae</u> Fitch		bPo, lPo
<u>Euceraphis betulae</u> Koch.		wB, bF
<u>Euceraphis gillettei</u> Davidson		wB
<u>Hamamelistes spinosus</u> Shim.		wB
<u>Mindarus abietinus</u> Koch.	Balsam twig aphid ¹	bF
<u>Myzus cerasi</u> L.		pCh
<u>Periphyllus lyropictus</u> Kessler		M
PSYLLIDAE		
* <u>Psylla striata</u> Patch		yB, wB
CICADELLIDAE		
Leafhoppers		
* <u>Oncopsis variabilis</u> Fitch		wB
* <u>Oncopsis sobrius</u> Walk.		wB
* <u>Oncopsis minor</u> Fitch		yB, wB
* <u>Empoa gellettei</u> Van D.		wB
ADELGIDAE		
Pine and Spruce Aphids		
<u>Adelges abietis</u> L.	Eastern spruce gall aphid ¹	wS, bS
<u>Adelges piceae</u> Ratz.	Balsam Woolly Aphid ¹	bF
COCCIDAE		
Soft scales, wax scales, and tortoise scales		
<u>Phenacaspis pinifoliae</u> Fitch	Pine needle scale ¹	bS, wS
HYMENOPTERA		
BRACONIDAE		
Braconids		
<u>Agathis pumila</u> Ratz.		<u>Coleophora laricella</u>
<u>Apanteles fiskei</u> Vier.		<u>Parorgyia plagiata</u>

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Apanteles solitarius</u> Ratz.		<u>Stilpnotia salicis</u>
<u>Earinus zeirapherae</u> Wly.		<u>Zeiraphera ratzeburgiana</u>
<u>Ichneutes</u> sp.		<u>Pikonema alaskensis</u>
		<u>Pikonema dimmockii</u>
<u>Macrocentrus nigridorsis</u> Vier.		
<u>Meteorus trachynotus</u> Vier.		<u>Choristoneura fumiferana</u>
* <u>Microgaster canadensis</u> Mues.		
<u>Microgaster peroneae</u> Wly.		<u>Acleris variana</u>
<u>Zele</u> sp.		<u>Nyctobia limitaria</u>
CIMBICIDAE	Large sawflies	
<u>Cimbex americana</u> L.	Elm sawfly ¹	wB
DIPRIONIDAE	Conifer sawflies	
<u>Diprion hercyniae</u> Htg.	European spruce sawfly ¹	wS, bS, bF
<u>Neodiprion abietis</u> Harr.	Balsam fir sawfly ¹	bF, wS, bS
EULOPHIDAE	Eulophids	
<u>Euplectrus mellipes</u> Prov.		<u>Protoarmia porcelaria</u>
<u>Epilampsis laricinellae</u> Ratz.		<u>Coleophora laricella</u>
FORMICIDAE	Ants	
<u>Camponotus herculeanus</u> Linn.	Carpenter ant ³	
ICHNEUMONIDAE	Ichneumons	
<u>Agrothereutes lophyri</u> Nort.		<u>Neodiprion abietis</u>
* <u>Alegina apantelis</u> Cush.		<u>Choristoneura fumiferana</u>
<u>Aoplus velox</u> Cress.		<u>Lambdina fiscellaria</u> <u>fiscellaria</u>
<u>Apechthis ontario</u> Cress.		<u>Choristoneura fumiferana</u>
<u>Calliephialtes comstockii</u> Cress.		<u>Rhyacionia bouliana</u>

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>HOST</u>
<u>Campoplex validus</u> Cress.		
<u>Campoplex mellipes</u> Prov.		<u>Coleophora laricella</u>
<u>Casinaria eupitheciae</u> Vier.		<u>Eupithecia</u> sp.
<u>Ctenochira quebecensis</u> Prov.		<u>Nematus limbatus</u>
<u>Eclytus ornatus</u> Holmg.		<u>Pristiphora erichsonii</u>
<u>Endasys pubescens</u> Prov.		<u>Neodiprion abietis</u>
<u>Endasys subclavatus</u> Say		<u>Neodiprion abietis</u>
<u>Erromenus bedardi</u> Prov.		<u>Pikonema alaskensis</u>
<u>Exochus nigripalpis tectulum</u> Tow. and Tow.		<u>Choristoneura fumiferana</u>
<u>Gelis tenellus</u> Say		<u>Neodiprion abietis</u>
<u>Glypta fumiferanae</u> Vier.		<u>Choristoneura fumiferana</u>
<u>Diadegma cacoecia</u> Vier.		<u>Choristoneura fumiferana</u>
<u>Diadegma conodor</u> Vier.		<u>Dioryctria renicuella</u>
<u>Itoplectis quadricingulatus</u> Prov.		<u>Neodiprion abietis</u>
<u>Lamachus lophyri</u> Ashm.		<u>Neodiprion abietis</u>
<u>Lamachus ruficoxalis</u> Cush.		<u>Neodiprion abietis</u>
<u>Mastrus aciculatus</u> Prov.		<u>Neodiprion abietis</u>
<u>Mastrus argeae</u> Vier.		<u>Neodiprion abietis</u>
<u>Mesoleius tenthredinis</u> Morley		<u>Pristiphora erichsonii</u>
<u>Ophion</u> sp.		
<u>Phaeogenes gaspesianus</u> Prov.		<u>Acleris variana</u>
<u>Phaeogenes hariolus</u> Cress.		<u>Choristoneura fumiferana</u>
<u>Pimpla pedalis</u> Cress.		<u>Stilpnotia salicis</u>
<u>Smicroplectrus velox</u> Wly.		<u>Pikonema alaskensis</u>

SCIENTIFIC NAME	COMMON NAME	HOST
PAMPHILIIDAE		
	Web-spinning sawflies	
* <u>Acantholyda maculiventris</u> Nort.		bF, bS, wS
* <u>Cephalcia nigropectus</u> Cress.		S, wS
* <u>Cephalcia provancheri</u> Huard		bF
* <u>Cephalcia rossi</u> MdKF.		bF
SIRICIDAE		
	Horntails	
<u>Sirex juvenus</u> Linn.	Blue horntail ²	bF
<u>Urocerus albicornus</u> F.	Black horntail sawfly ²	bF
TENTHREDINIDAE		
	Sawflies	
<u>Anoplonyx luteipes</u> Cress.	Marlatt's larch sawfly ³	tL
<u>Croesus latitarsus</u> Nort.	Dusky birch sawfly ¹	wB
<u>Dimorphopteryx melanognathus</u> Roh.		wB
<u>Fenusa dohrnii</u> Tischb.	European alder leaf miner ¹	Al
<u>Fenusa pusilla</u> Lep.	Birch leaf miner ¹	wB
<u>Hemichroa crocea</u> Four.	Striped alder sawfly ¹	sAl
<u>Heterarthrus nemoratus</u> Fall.	Birch leaf mining sawfly ³	wB
<u>Nematus limbatus</u> Cress.	Willow sawfly ³	W
<u>Pikonema alaskensis</u> Roh.	Yellow-headed spruce sawfly ¹	bS
<u>Pikonema dimmockii</u> Cress.	Green-headed spruce sawfly	wS, bS
<u>Pristiphora erichsonii</u> Htg.	Larch sawfly ¹	tL
<u>Pristiphora geniculata</u> Htg.	Mountain-ash sawfly ¹	Mo
<u>Pristiphora lena</u> Kinc.	A spruce sawfly ³	bS, wS
<u>Tethida cordigera</u> Beauv.	Black-headed ash sawfly ¹	bAs

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Trichiocampus irregularis</u> Dyar	A willow sawfly ³	W
LEPIDOPTERA		
AEGERIIDAE		
	Clearwing moths	
<u>Aegeria apiformis</u> Cl.	Hornet moth ¹	
ARCTIIDAE		
	Tiger moths and allies	
<u>Apantesis virguncula</u> Kby.		
<u>Diacrisia virginica</u> Fabr.	Yellow woollybear ¹	W
<u>Halisidota maculata</u> Harr.	Spotted tussock moth ¹	wB
<u>Hyphantria cunea</u> Dru.	Fall webworm ¹	
<u>Parasemia parthenos</u> Harr.		
COLEOPHORIDAE		
	Casebearer moths	
<u>Coleophora laricella</u> Hbn.	Larch casebearer ¹	tL
<u>Coleophora fuscadinella</u> Zell.	Birch casebearer ¹	wB
DREPANIDAE		
	Hook-tip moths	
<u>Drepana arcuata</u> Wlk.		wB
<u>Drepana bilineata</u> Pack.		wB
<u>Oreta rosea</u> Wlk.		
GELECHIIDAE		
	Gelechiid moths	
<u>Anacampsis innoculella</u> Zell.	A poplar leaf roller ³	tA
<u>Compsolechia niveopulvella</u> Cham.		tA
<u>Eucordylea atrupictella</u> Dietz.		S
<u>Recurvaria piceaella</u> Kft.	Spruce leaf miner ³	wS
GEOMETRIDAE		
	Geometrid moths	
<u>Biston cognataria</u> Gn.	Pepper and salt moth ¹	sA1
<u>Bosma quercivoraria</u> Gn.		wB
<u>Gamphaea perlata</u> Gn.	Fringed looper ²	pCh, wB
<u>Caripeta angustiorata</u> Wlk.	Brown pine looper ²	wP

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Caripeta divisata</u> Wlk.	Grey spruce looper ²	wS, bF
<u>Deilinia erythemaria</u> Gn.		W
<u>Diactinia silaceata albolineata</u> Pack		
<u>Dysstroma citrata</u> Linn.		W
<u>Dysstroma truncata</u> Hufn.		
<u>Ectropis crepuscularia</u> Schiff.	Saddleback looper ²	bF
<u>Rheumaptera hastata</u> Linn.		wB
<u>Euphyia unangulata</u> Haw.		
<u>Eupithecia filmata</u> Pears.	Early brown looper ²	tL, wS
* <u>Eupithecia misturata frostiata</u> Swett		
<u>Eupithecia russeliata</u> Swett		tL
<u>Hydriomena renuciata</u> Wlk.		
<u>Itame bitactata</u> Wlk.		
* <u>Itame pustularia</u> Gn.		
<u>Lambdina fiscellaria fiscellaria</u> Gn.	Hemlock looper ¹	bF
<u>Lygris propulsata</u> Wlk.		bF
* <u>Lygris flavibrunneata</u> funicolorata Mcd.		
<u>Lygris serrataria</u> B. and Mcd.		tL, sAl
<u>Nyctobia limitaria</u> Wlk.	Green balsam looper ²	wS, bF
<u>Operophtera bruceata</u> Hlst.	Bruce spanworm ¹	tA, wB
<u>Pero honestarius</u> Wlk.		
<u>Pero morrisonarius</u> Hy. Edw.		

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Plagodis phlogosaria</u> Gn.		wB, bF
<u>Plemyria georgii</u> Hlst.		sA1
<u>Prochoerodes transversata</u> Dru.		
<u>Protoarmia porcelaria indicataria</u> Wlk.	Dotted line looper ²	tL
<u>Semiothisa granitata</u> Gn.		bF
* <u>Semiothisa neptaria trifasciata</u> Pack		bF
<u>Semiothisa sexmaculata</u> Pack.	Green larch looper ²	tL
<u>Sicya macularia</u> Harr.		bF, W, sA1
<u>Spargania luctuata obductata</u> Moesch.		
<u>Spargania magnoliata</u> Gn.		
* <u>Thera contractata</u> Pack.		wB
<u>Triphosa haesitata</u> Gn.		
<u>Venusia cambrica</u> Curt.		wB, W
<u>Xanthorhoe abrasaria congregata</u> Wlk.		
<u>Xanthorhoe munitata</u> Hbn.		
GRACILARIIDAE		Leaf blotch miners
<u>Gracillaria alnivorella</u> Cham.		wB, sA1
<u>Gracillaria syringella</u> Fabr.	Lilac leaf miner ¹	Lilac
<u>Phyllocnistis populiella</u> Cham.	Aspen leaf miner ³	tA
LYMANTRIIDAE		Tussock moths
<u>Orgyia antiqua</u> L.	Rusty tussock moth ¹	sA1, bF
<u>Parorgyia plagiata</u> Wlk.	Pine tussock moth ³	wS, bS, bF
<u>Parorgyia vagans</u> B. and McD.		tA, wB
<u>Stilpnotia salicis</u> Linn.	Satin moth ¹	tA, lPo, bPo

SCIENTIFIC NAME	COMMON NAME	HOST
NOTODONTIDAE		
<u>Ichthyura apicalis</u> Wlk.	Notodonid moths	W, tA, bPo
<u>Nadata gibbosa</u> J.E. Smith	Green Oak caterpillar ²	wB
<u>Notodonta simplaria</u> Graef.		tA
<u>Pheosia rimosa</u> Pack.	Caudal-horned prominent ³	tA
<u>Schizura unicornis</u> J.E. Smith	Unicorn caterpillar ¹	wB
NYCTEOLIDAE		
<u>Nycteola cinereana</u> N. and D.		bPo, W
NYMPHALIDAE		
<u>Limenitis arthemis</u> Dru.	Brush-footed butterflies	
<u>Boloria selene</u> Schiff.	White admiral ³	tA
<u>Nymphalis antiopa</u> L.	Mourning-cloak butterfly ¹	tA, W
<u>Nymphalis milberti</u> Godt.	Milbert's tortoise shell ³	
<u>Phyciodes tharos</u> Dru.	Pearl crescent ³	
<u>Polygonia faunus</u> Edw.	Green comma ³	wB
<u>Polygonia progne</u> Cram.	Grey comma ³	
<u>Vanessa atalanta</u> Linn.	Red-admiral ¹	
<u>Vanessa cardui</u> Linn.	Painted lady ¹	
CECOPHORIDAE		
<u>Depressaria betulella</u> Busck.		bF
<u>Depressaria groteella</u> Rob.		wB
<u>Depressaria heracliana</u> Linn.	Parsnip webworm ¹	Cow parsnip
OLETHREUTIDAE		
<u>Aphania dextrana</u> Mcd.	Olethreutid moths	tA
<u>Barbara mappana</u> Free.		bF
<u>Epinotia cruciana</u> Linn.		tA

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Epinotia nisella</u> Clerck.		tA
<u>Epinotia solandriana</u> L.		sA, wB
<u>Griselda radicana</u> Wlshm.	A micro-moth ³	wS
<u>Hedia ochroleucana</u> Hbn.		tA, wB
<u>Rhyacionia buoliana</u> Schiff.	European pine shoot moth ¹	rP
<u>Sciaphila duplex</u> Wlshm.	Poplar leaf roller ²	tA
<u>Zeiraphera diniana</u> Gn.	Douglas fir cone moth ³	tL
<u>Zeiraphera fortunana</u> Kft.	Yellow spruce budworm ²	wS
<u>Zeiraphera ratzeburgiana</u> Ratz.	Spruce bud moth ¹	wS
PAPILIONIDAE		
<u>Papilio ajax</u> L.	Black swallowtail ¹	
<u>Papilio glaucus canadensis</u>	Tiger swallowtail ¹	wB
R. and J.		
NOCTUIDAE		
	Noctuid moths	
<u>Acronicta dactylina</u> Grt.		wB
<u>Acronicta grisea</u> Wlk.		W
<u>Acronicta impressa</u> Wlk.		wB
<u>Acronicta innotata</u> Gn.		wB
<u>Acronicta leporina</u> Linn.		tA
<u>Acroperina cogitata</u> Sm.		
<u>Agrotis ypsilon</u> Rott.		
<u>Agrotis venerabilis</u> Wlk.		
<u>Andropolia contacta</u> Wlk.		tA
<u>Anomogyna elimata</u> Gn.	Chameleon caterpillar ²	bF
<u>Anomogyna perquiritata</u> Morr.	Gray spruce cutworm ²	bF, wS
<u>Apamea alia</u> Gn.		

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Apamea amputatrix</u> Fitch		
<u>Apamea impulsa</u> Gn.		
<u>Apamea finitima</u> Gn.		
<u>Apamea americana</u> Speyer		
<u>Autographa bimaculata</u> Steph.		
<u>Autographa mappa</u> G. and R.		
<u>Caenurgina crassiuscula</u> Haw.		
<u>Chytolita petrealis</u> Grt.		
<u>Colocasia propinquilinea</u> Grt.		wB
<u>Crotallia intermedia</u> Speyer		wS
<u>Diarsia cynica</u> Sm.		
<u>Diarsia jucunda</u> Wlk.		
<u>Emeretagrotis perattenta</u> Grt.		
<u>Euplexia benesimilis</u> McD.		W
<u>Eurois astricta</u> Morr.		tA
<u>Eurois occulta</u> Linn.		tL
<u>Feralia jocosa</u> Gn.	Green-striped caterpillar ³	bF, wS, bS
<u>Amathes c-nigrum</u> Linn.	Spotted cutworm ³	wB
<u>Amathes smithi</u> Snell.		W
<u>Lithophane amanda</u> Sm.		W
<u>Lithophane georgii</u> Grt.		El
<u>Lithophane pexata</u> Grt.		W
<u>Hyppa xylinoides</u> Gn.		
<u>Lacinipolia lorea</u> Gn.		
<u>Lacinipolia olivacea</u> Morr.		
<u>Lacinipolia renigera</u> Steph.		
<u>Lacinipolia anguina</u> Grt.		

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Leucania insueta</u> Gn.		
<u>Leucania oxygala luteopallens</u> Sm.		
<u>Panthea acronyctoides</u> Wlk.		wS
<u>Phlogophora iris</u> Gn.		
<u>Phlogophora periculosa</u> Gn.		bF
<u>Polia atlantica</u> Grt.		
<u>Polia frustrata</u> McD.		tL
<u>Polia imbrifera</u> Gn.		
<u>Polia legitima</u> Grt.	Striped garden caterpillar ³	
<u>Polia pulverulenta</u> Sm.		tL
<u>Polia radix</u> Wlk.		W
<u>Oligia bridghami</u> G. and R.		
<u>Oligia miniscula</u> Morr.		
<u>Scoliopteryx libatrix</u> Linn.	Scalloped owlet ³	W
<u>Sideridis maryx</u> Gn.		
<u>Spaelotis clandestina</u> Harr.	W-marked armyworm ¹	wB
<u>Syngrapha alias</u> Ottol.	Spruce climbing cutworm ³	wS, bS
<u>Syngrapha epigaea</u> Grt.		tA
<u>Syngrapha rectangula</u> Kby.	Angulated cutworm ²	bF, wS
<u>Syngrapha selecta</u> Wlk.	Verdigris autograph ²	bF, bS, tL, wS
<u>Ipimorpha pleonectusa</u> Grt.		tA
<u>Amphipoea velata</u> Wlk.		
<u>Nephelodes emmedonia</u> Sm.		
<u>Papaipema impecuniosa</u> Grt.		
<u>Pseudaletia unipuncta</u> Haw.		
* <u>Harrisimemna trisignata</u> Wlk.		
<u>Ochropleura plecta</u> L.		

SCIENTIFIC NAME	COMMON NAME	HOST
<u>Rivula propinqualis</u> Gn.		
<u>Hemipacknoblia monochromatea</u> Morr.		
PIERIDAE	Whites and sulfur butterflies	
<u>Pieris rapae</u> Linn.	Imported cabbageworm ¹	
PSYCHIDAE	Bagworm moths	
<u>Solenobia walshella</u> Clem.	A bagworm ³	bF
PYRALIDAE	Pyralid moths	
<u>Crambus alboclavellus</u> Zell.		
<u>Crambus innotatellus</u> Wlk.		
<u>Dioryctria reniculella</u> Grt.	Spruce coneworm ¹	wS, bS, bF
<u>Herculia thymetusalis</u> Wlk.	Spruce needleworm ³	wS
<u>Ortholepis pasadamia</u> Dyar.		wB
* <u>Scoparia centuriella</u> D. and S.		
SATYRIDAE	Satyr butterflies	
<u>Coenonympha inornata</u> Edw.		
SPHINGIDAE	Sphinx moths	
<u>Celerio gallii intermedia</u> Kby.	Bedstraw hawk-moth ²	
<u>Smerinthus cerisyi</u> Kby.	Willow sphinx moth ³	tA
<u>Smerinthus germinatus</u> Say		
<u>Sphinx gordius</u> Cram.	Apple sphinx ²	tL
<u>Sphinx kalmiae</u> J.E. Smith	Laurel sphinx ²	
<u>Herse cingulata</u> Fabr.		
THYATIRIDAE		
<u>Habrosyne scripta</u> Gosse		
<u>Pseudothyatira cymatophoroides</u> Gn.		wB
TORTRICIDAE	Leaf roller moths	
<u>Accleris calignosana</u> Wlk.		wB

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>HOST</u>
<u>Acleris emargana</u> Fabr.		W
<u>Acleris variana</u> Fern.	Black-headed budworm ¹	bF, wS
<u>Archips rosanus</u> Linn.	European leaf roller ²	Al
<u>Choristoneura fumiferana</u> Clem.	Spruce budworm ¹	wS, bF
<u>Choristoneura conflictana</u> Wlk.	Large aspen tortrix ¹	tA
<u>Archippus albertus</u> Mcd.		bS
<u>Archippus strianus</u> Fern.		bS, bF
<u>Clepsis persicana</u> Fitch	White-triangle leaf roller ²	bF, tA, wB

ORTHOPTERA

ACRIDIDAE

Grasshoppers

Melanoplus fasciatus Wlk.

GRYLLIDAE

Crickets

Gryllus assimilis Fab.

APPENDIX A
GLOSSARY OF HOST PLANTS

SPECIES	COMMON NAME	ABBREVIATION
<u>Abies balsamea</u> (L.) Mill.	Fir, balsam	bF
<u>Acer</u> spp.	Maple	M
<u>Alnus</u> spp.	Alder	Al
<u>Alnus rugosa</u> (Du Roi) Spreng. var <u>americana</u> (Regel) Fern.	Alder, speckled	sAl
<u>Betula lutea</u> Michx. f	Birch, yellow	yB
<u>Betula papyrifera</u> Marsh.	Birch, white	wB
<u>Epilobium</u> spp.	Fireweed	--
<u>Fraxinus nigra</u> Marsh.	Ash, black	bAs
<u>Heracleum lanatum</u> Michx.	Cow parsnip	--
<u>Larix laricina</u> (Du Roi) K. Koch	Tamarack	tL
<u>Magnolia</u> sp.	Magnolia	--
<u>Picea</u> spp.	Spruce	S
<u>Picea glauca</u> (Moench) Voss	Spruce, white	wS
<u>Picea mariana</u> (Mill.) BSP	Spruce, black	bS
<u>Pinus resinosa</u> Ait	Pine, red	rP
<u>Pinus strobus</u> L.	Pine, eastern white	wP
<u>Pinus sylvestris</u> L.	Pine, scots	scP
<u>Populus balsamifera</u> L.	Poplar, balsam	bPo
<u>Populus nigra</u> L.	Poplar, Lombardy	lPo
<u>Populus tremuloides</u> Michx.	Aspen, trembling	tA
<u>Prunus pensylvanica</u> L.f.	Cherry, pin	pCh
<u>Ribes</u> spp.	Currant	--

SPECIES	COMMON NAME	ABBREVIATION
<u>Salix</u> spp.	Willow	W
<u>Sambucus</u> spp.	Elder	El
<u>Sorbus</u> spp.	Mountain-ash	Mo
<u>Syringa vulgaris</u> L.	Lilac	--