

REGISTER OF INSECT SPECIMENS
(EXCLUDING ENTOMOPHAGOUS PARASITES)

AND

ASSOCIATED PHOTOGRAPHS

AT THE

FOREST RESEARCH LABORATORY

FREDERICTON, N. B.

by

F. A. Titus

FOREST RESEARCH LABORATORY
FREDERICTON, NEW BRUNSWICK
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TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
HISTORY AND DESCRIPTION OF THE COLLECTION	2
ABBREVIATIONS AND SYMBOLS	3
REFERENCES	5
THYSANURA	6
ODONATA	6
ORTHOPTERA	6
PLECOPTERA	6
PSYCOPTERA	7
HEMIPTERA	7
HOMOPTERA	10, 100
NEUROPTERA	15
COLEOPTERA	15
MECOPTERA	43
TRICHOPTERA	43
LEPIDOPTERA	44
DIPTERA	85
HYMENOPTERA	93
THYSANOPTERA	100

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INTRODUCTION

The Forest Insect and Disease Survey in the Maritimes, as in other Regions of Canada, is responsible for: (1) determining the distribution and intensity of insect and disease outbreaks; (2) biological studies to develop more effective monitoring and pest control programs; and (3) providing advice on problems requiring localized control. Adequate reference material of forest insects and tree diseases is of fundamental importance to all these functions and to most aspects of research in forest entomology and pathology. A good reference collection of insects must not only bear authoritative identifications, and be representative, well arranged, and effectively catalogued, but it should contain immature forms and frass samples and be supported with photographs of the stages of the organisms and damage caused by them. Information on the numbers and kinds of organisms present in, and illustrations associated with, a reference collection should be made available to those interested, and for this reason this register has been compiled. A comprehensive list of forest fungi of the Maritimes was prepared by Magasi (1966).

This register should (1) facilitate arrangements for exchanges or loans of material, (2) stimulate the interchange of illustrative material associated with economically important species, and (3) focus the attention of specialists on species that are known to occur in the Maritimes but are not represented in this collection or in their own. Periodic supplements will be prepared if they become necessary.

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HISTORY AND DESCRIPTION OF THE COLLECTION

The insect collection at the Forest Research Laboratory was started in 1924 when the late R. P. Gorham began collecting adult moths from light traps, bait stations, and from rearings of immatures on farm crop plants. Gorham (1945) stated that the collection, formed for reference purposes in agricultural work, included some 500 species and several thousand specimens, almost all of which were collected at or near Fredericton. To it Gorham added three collections of Lepidoptera received as gifts from W. H. Moore, W. Austin Squires, and A. E. Brower. The numbers and kinds of moths in these collections were listed by Gorham (1945). Following his death in 1945, his collection was divided between field crop and fruit entomologists, and forest entomologists. Specimens allocated to forest entomologists are an integral part of the present collection; the rest are a part of the collection of the Canada Department of Agriculture Research Station. About 1958, duplicate specimens were exchanged between the Forest Research Laboratory and the C. D. A. Research Station in Fredericton. Of the original Gorham collection virtually all species represented by single specimens are housed at present at the C. D. A. Research Station in Fredericton.

Bark beetle material contributed by J. M. Swaine and L. J. Simpson was also important in the early buildup of the insect reference collection. Over several years, these men collected, reared, and identified hundreds of bark beetle specimens, many of which remain in the collection.

Not until after the inception of the Forest Insect Survey in 1937, did the insect reference collection begin to be representative of the regional forest insect fauna. It will be apparent from a perusal of this register that lepidopterous and hymenopterous defoliators predominate, especially those on coniferous hosts, not only because they are common in the Region but because they can be obtained easily by the Survey's collecting and rearing techniques. Gall makers, sapfeeders, soil insects, cone and seed feeders, and borers of many types are poorly represented in the collection. Some minor splintering of the collection took place in 1947 when a sub-laboratory was established in Halifax (moved to Debert in 1951) to handle Survey activities in Nova Scotia, and again in 1955 with the establishment of an independent Survey unit in Newfoundland. In 1966, however, with the centralization of Maritimes regional Survey identification and rearing operations at Fredericton, the insect reference material housed at Debert was incorporated into the Fredericton collection.

The operation of light traps at forest fire observation towers in New Brunswick and more recently at 16 ranger offices in New Brunswick, at Chester and Lawrencetown, Nova Scotia, and at the Fredericton and Debert laboratories has had considerable impact on the growth and development of the Lepidoptera part of the collection. Although they are a part of the Fredericton collection, these moths are housed in the Departmental quarters

in Truro (Bank of Montreal Building).

Some of the aphids on slides maintained by Dr. M. E. MacGillivray, C.D.A. Research Station, Fredericton, is also considered as part of this collection. This material includes representatives of 56 species of forest and shade tree aphids collected in the Maritimes Region by the Forest Insect and Disease Survey since 1949 and identified by Dr. MacGillivray and other aphid taxonomists.

The non-parasitic species now represent 2930 species, of which 1360 are Lepidoptera, 916 are Coleoptera, 221 are Diptera, and 194 are Hymenoptera. Most are pinned and pointed adults, but some adults are in alcohol. Most larvae are in alcohol, but some are inflated and some are freeze-dried. The last technique, used since 1965, has greatly enhanced the value of the reference collection. Frass is air-dried. Pupae are most often preserved in alcohol but sometimes are freeze-dried.

This reference collection, like others at field laboratories of the Departments of Agriculture, and of Forestry, is part of the Canadian National Collection of Insects (C.N.C.) at Ottawa. The C. N. C. is administered and maintained by officers of the Taxonomy Section, Entomology Research Institute, Canada Department of Agriculture, who, through the years, have provided the identifications that are basic to regional research and survey needs.

The adult insects are housed in United States National Museum drawers with four - section metal cabinets, each cabinet with 50 drawers, (duplicate specimens in excess of reference requirements are maintained separately). Part of the liquid collection is maintained in standard metal filing cabinets as described by Thomas (1962), and the remainder is stored in wooden racks, $18\frac{3}{4} \times 2 \times 3\frac{1}{4}$ inches, and kept in a metal cabinet.

The systematic arrangement for the principal orders follows McDunnough (1938-1939) for Lepidoptera, Muesebeck *et al.* (1951-1967) for Hymenoptera, Stone *et al.* (1965) for Diptera, and Leng *et al.* (1920-1939) for Coleoptera. The arrangement for other orders follows Borror and De Long (1964) for the most part.

ABBREVIATIONS AND SYMBOLS

The orders are listed from the most primitive to the most advanced. The families, genera, and species are arranged alphabetically. Species of Thysanoptera and Homoptera represented by specimens on slides are listed last.

Names appearing in square brackets are no longer valid.

An asterisk following the number of specimens means that some or all were identified by specialists.

(NM), for non-Maritime, following the number of specimens means that they originated outside the Maritimes Region.

(BW) means that black and white photographs of insect specimens, or damage caused, or both are available.

(C) means that colour transparencies are available of insect specimens, or damage caused, or both are available.

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Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
THYSANURA			
LEPISMIDAE			
Thermobia domestica Pck.	1*		
ODONATA			
AESCHNIDAE			
Aeschna umbrosa umbrosa Walker	3*		
COENAGRIIDAE			
Enallagma hageni Walsh	1		
ACRIDIDAE			
Camnula pellucida Scud.	6		
Melanoplus bivittatus Say	2		
femur-rubrum DeG.	1(NM)		
Podisma glacialis canadensis Walker	1		
BLATTIDAE			
Blattella germanica L.	13*		
Periplaneta americana L.	3(NM)		
GRYLLIDAE			
Gryllus assimilis Fab.	2*		
[TETTIGIDAE] TETTIGIONIIDAE			
Tetrix subulata (L.)	1(NM)*		
Ceuthophilus maculatus Harr.	1		
Cyphoderris monstrosa Uhl.	1(NM)		
Scudderia pistillata Brunner	1*		
PLECOPTERA			
CAPNIIDAE			
Capnella incisura Claas.	3(NM)*		
pygmaea Brum.	5		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
PERLIDAE			
Acroneuria sp.	2*		
PSOCOPTERA			
PSOCIDAE			
Psocus			
leidyi Aaron	5*		
novaescotiae Wlk.	3*		
slossonae Banks	2*		
HEMIPTERA			
ANTHOCORIDAE			
Anthocoris musculus Say	1*		
Tetraphleps			
sp.	6*		
americana Parsh.		18-Eggs, nymphs, adults	
ARADIDAE			
Aradus			
sp.	1*		
abbas Bergr.	8(NM)*		
cinnamomeus Panz.	3*		
inornatus Uhl.	1.		
BELOSTOMATIDAE			
Lethocerus			
sp.	1		
americanus (Leidy)	3*		
[CORISCIDAE] ALYDIDAE			
Alydus sp.	1*(NM)		
CORIZIDAE			
Leptocoris brivittatus (Say)	3*		
CORIMELAENIDAE			
Corimelaena anthracina Uhl.	1*		
CYDNIDAE			
Sehirus cinctus P. de B.	17	1-Adults	

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
GERRIDAE			
Trepobates sp.		1-Adults	
LYGAEIDAE			
Blissus hirtus Montd.	4*		
Dryinus unus (Say)	3*		
Eremocoris ferus (Say)	5*		
Geocoris bullatus (Say)	4*		
Kleidocerys germinatus Say	5*		
MIRIDAE			
Deraeocoris			
sp.	3		
aphidiphagus Kngt.	10*		
betulae Kngt.	1		
laricicola Kngt.	4		
nubilus Kngt.	2		
pinicola Kngt.	7*		
Diaphnidia pellucida Uhl.	1*		
Dichrooscytus suspectus Reut.	2*		
[Liocoris] Lygus			
sp.	4*		
atritylus Kngt.	2		
belfragi Reut.	1*		
borealis Kngt.	10*		
lineolaris Beav.	3		
rubidus Kngt.	14*		
vanduzeei Kngt.	1		
Lopidea			
media Say	2*		
robiniae (Uhl.)	1		
Neolygus hirticulus V. D.	2		
Orthotylus cruciatus V.D.	1		
Phytocoris			
sp.	10*		
neglectus Kngt.	10*		
Plagiognathus			
sp.	6*		
davisii Kngt.	1*		
Poecilocapsus lineatus F.	1*		
Psallus parshleyi Kngt.	1		
Taedia sp.	1		
NABIDAE			
Nabis			
sp.	7*		
roseipennis Reut.	4*		Adults (BW)
rufusculus Reut.	3*		
NEPIDAE			
Ranatra fusca P.B.	1		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
PENTATOMIDAE			
Apateticus bracteatus Fitch	7*		
Banasa			
sp.	3		
dimidiata Say	18*		
Cosmopepla bimaculata Thom.	32*		
Elasmostethus cruciatus Say	17*		
Euschistus			
sp.	1*		
tristigmus Say	21*		
Meadorus lateralis Say	20*		
Mormidea lugens F.	1		
Neottiglossa undata Say	1		
Perillus bioculatus F.	3(NM)		
Podisus			
maculiventris Say	9*	1-Eggs	
modestus Dall.	22*	1-Eggs	
placidus Uhl.	1		
serieventris Uhl.	23*	5-Eggs, adults	
PLCIARIIDAE			
Empicoris sp.	1*		
REDUVIIDAE			
Reduvius personatus (L.)	4*		
SCUTELLERIDAE			
Homaemus aeneifrons Say	7*		
TINGIDIDAE			
Corythuca			
sp.		1-Adults	
elegans Drake	9*		
heidemanni Drake	27*	1-Adults	
pallipes Parsh.	7*	2-Adults	Adults (C)
pergandei Heid.		1-Adults	

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
HOMOPTERA			
ACHILIDAE			
Eiptera			
sp.	4*		
brittoni Metc.	9*		
pallida Say	1*		
septentrionalis (Prov.)	5*		
slossoni Van D.	20*		
ADELGIDAE			
Adelges			
sp.		1-Nymphs	
abietis (Linn.)	7*	2-Adults (NM)	Damage (BW)
lariciatus Patch		1-Adults (NM)	
nusslini (C. B.)			Nymphs, damage (C)
piceae (Ratz.)			Eggs, nymphs, adults, damage (BW) (C)
similis (Gillette)			Damage (C)
strobilobius Kalt.		1-Adult (NM)	
Pineus			
floccus Patch		1-Adults	Damage (C)
pinifoliae Fitch	6*	3-Nymphs, adults	Nymphs damage (C)
strobi (Htg.)	2*		Nymphs, damage (C)
APHIDIDAE			
Calaphis sp.			Nymphs, damage (C)
Euceraphis sp.			Adults (BW)
Mindarus abietinus Koch		5-Nymphs, adults	Nymphs, adults (C)
CERCOPIDAE			
Aphrophora			
sp.		1-Adults	
parallela Say	57*	2-Adults	
quadrinotata Say	4*		
saratogensis Fitch	17*		
signoreti Fitch	9*		
Clastoptera			
sp.	17*		
obtusa Say	12		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
CERCOPIDAE (cont'd)			
Oncometopia			
<i>lateralis</i> F.	1*		
Philaenus			
<i>leucophthalmus</i> Linn.	10*		
<i>lineatus</i> Linn.	1		
<i>spumarius</i> Linn.	7*		
CICADELLIDAE			
<i>Acucephalus nervosus</i> (Schrank)	2*		
<i>Agalliopsis novella</i> (Say)	5*		
<i>Alebra albostriella</i> (Fall.)	10*		Nymphs (BW)
Balclutha			
<i>impicta</i> (Van D.)	2*		
<i>punctata</i> (Thunb.)	2*		
<i>Chlorotettix lusorius</i> (O.&B.)	1*		
<i>Colladonus eburatus</i> (Van D.)	2*		
<i>Dicraneura mali</i> (Prov.)	2*		
<i>Dikrella cruentata</i> (Gill)	4*		Nymphs, adults (BW)(C)
<i>Edwardsiana</i> sp.			Adults (BW)
<i>Edwardsiana bergmani</i> (Tull.)	4*	1-Adults	Nymphs, adults (BW)
Empoa			
sp.	6*		Adults (C)
<i>albicans</i> Walsh	3*		
<i>latifasciata</i> Christ.	3*		Nymphs (BW)
<i>querci</i> Fitch	2*		
Empoasca			
sp.	5*		
<i>convergens</i> Del. & Dav.	2*		
<i>Errastunus</i> sp.	2*		
<i>Erythroneura</i>			
sp.	49	1-Adults	Nymphs, adults (BW)
sp. (<i>obliqua</i> group)			Nymphs, adults, damage (C)
<i>aclys</i> McA.	9*		Adults (BW)
<i>aspera</i> B. & G.	19*		Eggs, nymphs (BW)
<i>betulaspera</i> Richards & Varty			Nymphs, adults (BW)
<i>cornipes</i> Beamer	11*		Nymphs, adults (BW)
<i>coxi</i> (R. & D.)	2*	1-Adults	
<i>cruciformis</i> Beamer	6*		
<i>dira</i> Beamer	10*		Adults (BW)
sp. nr. <i>dira</i>			Nymphs, adults (BW)
<i>gemina</i> McA.	7*		Adults (BW)(C)
sp. nr. <i>harpola</i>			Adults (BW)(C)
<i>nondescripta</i> John	2*		
<i>latapex</i> Beamer	4*		Nymphs (BW)
<i>maculata</i> (Gill.)			Nymphs (BW)
<i>noeva</i> (Gill.)	14*		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
CICADELLIDAE (cont'd)			
<i>Erythroneura</i>			
sp. nr. <i>noeva</i>			Eggs, nymphs, adults (BW)
<i>parallela</i> McA.	42*		Nymphs, adults (BW) (C)
<i>sinua</i> Johnson	7*		Nymphs, adults (BW)
<i>spala</i> Ross & Delong	1*		Nymphs, adults (BW)
<i>vulnerata</i> Fitch	3*		
<i>ziczac</i> Walsh	3*		Eggs, adults (C)
<i>Graphocephala</i> sp.			Nymphs (C)
<i>Graphocephala coccinea</i> (Forst.)	6*		Adults (C)
<i>Gyponana</i> sp.	2*		
<i>Idiocerus</i>			
sp.		1-Adults	
<i>lachrymalis</i> Fitch	1*		
<i>populi</i> (L.)	4*		
<i>Idiodonus morsei</i> (Osborne)	1*		
<i>Macropsis</i> sp.	1*		
<i>Neokolla hieroglyphica</i> (Say)	2*		
<i>Oncopsis</i>			
sp.	11*		
<i>coloradensis</i> (Baker)	1*		
<i>dithyris</i> Beir.	18*		Nymphs, adults (C)
<i>fitchi</i> Van D.	13*		
<i>minor</i> (Fitch)	79*		Eggs, nymphs, adults (C)
<i>sobrius</i> (Walk.)	116*	2-Adults	Eggs, nymphs, adults (C)
<i>variabilis</i> (Fitch)	24*		Eggs, nymphs, adults (C)
sp. nr. <i>variabilis</i>	9*		
<i>Osbornellus</i>			
sp.	1		
<i>auronitens</i> (Prov.)	3*		
<i>Ossiannilssonola volans</i> (McA.)	5*		
<i>Phlepsius</i> sp.	2*		
<i>Ribautiana</i>			
spp.	13*		Nymphs (BW) (C)
<i>foliosa</i> (Knull)	5*		Nymphs, adults (BW)
sp. nr. <i>foliosa</i>			Adults (BW)
<i>ulmi</i> (L.)	8		
<i>unca</i> (McA.)	5*		
<i>Scaphoideus major</i> Osb.	1*		
<i>Scaphytopius</i> sp.	1*		
<i>Typhlocyba</i>			
sp.			Eggs, nymphs, adults (C)
sp. nr. <i>pomaria</i>			Eggs, adults (BW)
<i>hockingensis</i> Knull	23*		
<i>pomaria</i> McA.	2*		Eggs, nymphs (BW)
<i>putmani</i> Knull	5*		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustration
CICADIDAE			
Magiccada septendecim Linn.		1-Eggs	
Okanagana rimosa Say	2		
Tibicen pruinosa (Say)	1		
CIXIIDAE			
Cixius			
basalis Van D.	21*		
misellus Van D.	4*		
COCCIDAE			
Chionaspis			
sp.	3	2-Eggs	
furfura Fitch		1-Eggs	
Cryptococcus fagi Baer.		7-Eggs, nymphs, adults	
Lecanium quercifex Fitch		1-Adults	
Lepidosaphes ulmi Linn.		1-Larvae	
Phenacaspis pinifoliae Fitch		2-Eggs, nymphs	
Phenacoccus acericola King		1-Nymphs	
Physokermes piceae Schr.	50	1-Adults	
Pulvinaria			
innumerabilis Rath.		1-Nymphs	
vitis (Linn.)		1-Adults	
DERBIDAE			
Cedusa sp.	1		
FULGORIDAE			
Otiocerus			
coquebertii Kirby	2		
degeerii Kirby	2		
MEMBRACIDAE			
Carynota stupida Wlk.	11		
Palomica tremulata (Ball.)	1*		
Stictocephala			
basalis Wlk.	5		Adults (BW)
dicerus Say	2		
Telamona			
monticola F.	3*		
querci Fitch	1		
tremulata Ball	2		

Species	No. pinned adults	No. vials preserved immatures, adults, frass	Illustrations
PSYLLIDAE			
Psyllia			
galeaformis Patch	5*		
mali Schmidb.	12	1-Adults	
striata Patch	7*		Eggs(C), nymphs, adults (BW)
trimaculata (Crawf.)	4*		Nymphs (C), adults (BW)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
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NEUROPTERA

CHRYSOPIDAE

Chrysopa sp.	2*		12-Larvae, pupae, adults (NM)	Eggs, larvae, cocoons (EW)(C)
oculata Say	1*			
plorabunda Fitch	5*			

HEMEROBIIDAE

Hemerobius conjunctus Fitch	1*			
humulinus L.	2*		2-Larvae, pupae	
simulans Wlk.	5*			
stigmaterus Fitch	15*		12-Larvae	
Micromus angulatus (Steph.)	1*			
montanus Carp.	1*			
Wesmalius longifrons (Wlk.)	6*			

COLEOPTERA

ALLECULIDAE

Androchirus erythropus (Kby.)	1			
Capnochroa fuliginosa (Melsh.)	4			
Hymenorus sp.	3*			
obscurus (Say)	2			
Isomira sp.	32*			
quadristriata Couper	4*			

ANOBIIDAE

Anobium punctatum DeG.	12*			
Cacotennus carinatus Say	13*			
Coelostethus notatus Say	2*			
Ernobius sp.	1 (NM)			
mollis L.	3*			
Hadrobregmus carinatus (Say)	5*			
Lasioderma serricorne (Fab.)	1*			
Microbregma emarginatum (Duft.)	7 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
ANOBIIDAE (cont'd)				
<i>Ptilinus ruficornis</i> Say	10*			
<i>Sitodrepa panicea</i> (L.)	30*			
<i>Xestobium rufovillosum</i> (DeG.)	4 (NM)*			
ANTHICIDAE				
<i>Notoxus</i> sp.	1 (NM)*			
BOSTRICHIDAE				
<i>Dinoderus brevis</i> (Horn)	18 (NM)			
BRUCHIDAE				
<i>Acanthoscelides obtectus</i> Say	11*		1-Pupae (NM)	
BUPRESTIDAE				
<i>Agrilus</i> sp.	5*			
<i>anxius</i> Gory	78*		3-Larvae	Damage (C)
<i>horni</i> Kerr.	2 (NM)*			
<i>liragus</i> Bart. & Br.	5			Eggs (C)
<i>obsoletoguttatus</i> Gory	2*			
<i>politus</i> (Say)	5*			
<i>ruficollis</i> (Fab.)	1 (NM)			
<i>Anthaxia</i> sp.	1*			
<i>aeneogaster</i> Cast.	2 (NM)*			
<i>Brachys aerosus</i> Melsh.	1			
<i>Buprestis</i> <i>fasciata</i> Fab.	4*			
<i>maculativentris</i> Say	26*			
<i>nuttalli</i> (Kby.)	1			
<i>striata</i> var. <i>impediata</i> Say	5*			
<i>Chalcophora</i> <i>angulicollis</i> (Lec.)	1*			
<i>fortis</i> Lec.	4*			
<i>liberta</i> (Germ.)	2 (NM)*			
<i>virginiensis</i> (Drury)	6*			
<i>Chrysobothris</i> sp.	5			
<i>dentipes</i> (Germ.)	14*			
<i>femorata</i> (Oliv.)	14*			
<i>floricola</i> Gory	1 (NM)			
<i>harrisi</i> (Hentz.)	8*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
BUPRESTIDAE (cont'd)				
pusilla Cast. & Gory	2*			
scabripennis Cast. & Gory	27*			
sexsignata (Say)	3*			
trinervia (Kby.)	16*			
verdigrispennis Frost	4*			
Dicera				
sp.	1*			
caudata Lec.	2 (NM)			
divaricata (Say)	17*			
prolongata Lec.	5*			
tenebrōsa (Kby.)	17*			
tuberculata (Cast.)	1*			
Eupristocerus cogitans (Web.)	1*			
Melanophila				
sp.	8*			
acuminata (DeG.)	4*			
drummondi (Kby.)	9*			
drummondi abies Champl. & Knull	1			
fulvoguttata (Harris)	8*		1-Larvae	
Poecilnota cyanipes (Say)	10*		1-Larvae	
BYRRHIDAE				
Byrrhus				
sp.	4*			
americanus Lec.	10			
Cytilus alternatus (Say)	3*			
CANTHARIDAE				
Cantharis				
sp.	54*			
bilineatus Csy.	5*			
carolinus Fab.	3			
curtisi (Kby.)	3 (NM)*			
fraxini Say	2*			
rotundicollis Say	4*			
rufa L.	7*			
Chauliognathus pennsylvanicus DeG.	4 (NM)*			
Podabrus De G.				
sp.	28*			
diadema (Fab.)	1			
laevicollis (Kby.)	4*			
modestus (Say)	6*			
punctatus Lec.	2*			
rugulosus Lec.	6*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CANTHARIDAE (cont'd)				
<i>Silis</i>				
sp.	2*			
<i>difficilis</i> Lec.	4 (NM)*			
<i>percomis</i> Say	4*			
CARABIDAE				
<i>Agonoderus pallipes</i> (Fab.)	7*			
<i>Agonum</i>				
sp.	16*			
<i>quandripunctatum</i> (Dej.)	2*			
<i>Amara apricarius</i> (Payk.)	2*			
<i>Amara</i> sp.	29*			
<i>Anisotarsus</i>				
sp.	2*			
<i>terminatus</i> (Say)	3*			
<i>Bembidion</i> sp.	16 (NM)*			
<i>Blethisa quadricollis</i> Hald.	1*			
<i>Calathus</i>				
sp.	10*			
<i>ingratus</i> Dej.	7*			
<i>gregarius</i> Dej.	9*			
<i>Calosoma</i>				
sp.	1*			
<i>calidum</i> Fab.	2*			
<i>frigidum</i> Kby.	4*			
<i>sycophanta</i> L.	1 (NM)			
<i>Carabus</i>				
<i>maeander</i> F ^{sch} .	1*			
<i>nemoralis</i> Mull.	7*			
<i>serratus</i> Say	1*			
<i>Celia</i> sp.	3*			
<i>Chlaenius</i>				
sp.	1*			
<i>pennsylvanicus</i> Say	2			
<i>sericeus</i> Forst.	7*			
<i>tricolor</i> Dej.	1*			
<i>Clivina impressifrons</i> Lec.	6*			
<i>Cylindrocharis rostrata</i> (Newm.)	1*			
<i>Cymindis</i> sp.	6*			
<i>Dysidius mutus</i> (Say)	1*			
<i>Elaphrus fuliginosus</i> Say	2*			
<i>Euferonia</i>				
sp.	1*			
<i>coracina</i> (Newm.)	1 (NM)			
<i>Galerita bicolor</i> Drury	6			
<i>Geopinus incrassatus</i> (Dej.)	3 (NM)			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CARABIDAE (cont'd)				
Harpalus				
sp.	21*			
compar Lec.	2*			
rufipes DeG.	19*			
[viridiaeneus Beauv.]				
affinis Sch.	8*			
Lebia				
sp.	1			
atriventris Say	5 (NM)			
canonica Csy.	2*			
Notiophilus aeneus Hbst.	1*			
Platynus sinuatus (Dej.)	22*			
Pterostichus				
sp.	10*			
adstrictus Esch.	14*			
chalcites Say	1*			
lucublandus Say	3*			
melanarius Ill.	1*			
punctatissimus (Rand.)	2 (NM)*			
Plochionus timidus Hald.	3			
Sphaeroderus lecontei Dej.	6*			
Trechus micans Lec.	1 (NM)*			
CEPHALOIDAE				
Cephaloon				
sp.	2*			
lepturoides Newm.	2*			
tenuicorne Lec.	3 (NM)			
Typitium unguare (Lec.)	12 (NM)*			
CERAMBYCIDAE				
Acmaeops				
bivittatus (Say)	2*			
pratensis (Laich.)	10*			
proteus (Kby.)	13*			
thoracicus (Hald.)	3*			
Aegomorphus decipiens Hald.	2			
Anniscus macula (Say)	3*			
[Anacomis lignea (Fab.)]				
Semanotus ligneus F.	2 (NM)			
Anoplodera				
brevifrons Howden	1*			
canadensis (Oliv.)	18*			
chrysocoma Kby.	13			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CERAMBYCIDAE (cont'd)				
<i>mutabilis</i> Newm.	19*			
<i>nigrella</i> Say	3*			
<i>proxima</i> Say	5*			
<i>sanguinea</i> (Lec.)	5 (NM)*			
<i>sexmaculata</i> Linn.	3*			
<i>vittata</i> (Oliv.)	7*			
<i>Anthoboscus ruricola</i> (Oliv.)	1 (NM)			
<i>Anthophilax</i>				
<i>attenuatus</i> (Hald.)	4*			
<i>malachiticus</i> (Hald.)	3*			
<i>Arhopalus</i>				
sp.	2*			
<i>foveicollis</i> Hald.	6*			
<i>Asemum striatum</i> L.	23*			
<i>Astyleiopus variegatus</i> (Hald.)	1			
<i>Astylopsis guttata</i> (Say)	1			
<i>Bellamira scalaris</i> (Say)	6*			
<i>Callidium</i>				
<i>frigidum</i> Csy.	1 (NM)			
<i>janthinum</i> Lec.	6			
<i>violaceum</i> (L.)	4*			
<i>Calloides nobilis</i> (Harris)	1 (NM)*			
<i>Centrodera decolorata</i> (Harris)	1*			
<i>Charisalia capitata</i> (Newm.)	1 (NM)			
<i>Cyllene robiniae</i> (Forst.)	14			
<i>Desmocerus palliatus</i> (Forst.)	2*			
<i>Elaphidionoides villosus</i> F.	13*		2-Larvae, frass	
<i>Encyclops coerulea</i> (Say)	1 (NM)			
<i>Evodinus monticola</i> (Rand.)	12*			
<i>Gaurotes cyanipennis</i> (Say)	4*			
<i>Glycobius speciosus</i> (Say)	1		3-Larvae	
<i>Gonocallus collaris</i> (Kby.)	1 (NM)*			
<i>Graphisurus</i>				
sp.	1 (NM)*			
<i>fasciatus</i> (DeG.)	2*			
<i>obsoletus</i> (Oliv.)	1 (NM)			
<i>pusillus</i> Kby.	5*			
<i>Hyperplatys aspersa</i> (Say)	1*			
<i>Judolia sexmaculata</i> (L.)	4 (NM)			
<i>Leptostylus macula</i> Say	1			
<i>Leptura</i>				
<i>pedalis</i> Lec.	5 (NM)*			
<i>suthamata</i> (Rand.)	5			
<i>Megacyllene robiniae</i> Forst.			1-Larvae	
<i>Merium proteus</i> Kby.	2 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CERAMBYCIDAE (cont'd)				
Molorchus bimaculatus Say	1 (NM)*			
Monochamus				
sp.	8			Larvae, damage (C)
[confusor Kby.]				
notatus Drury	16*			
marmorator Kby.	11			
scutellatus (Say)	156*		4-Larvae	Larvae, damage (C) pupae, adults (BW)
titillator (Fab.)	3		1-Larvae	
Neoclytus				
acuminatus (Fab.)	2*			
muricatulus (Kby.)	4*			
Oberea				
sp.	1*			
ruficollis (Fab.)	1*			
schaumi Lec.			8-Larvae, pupae	
Ophistomis luteicornis (Fab.)	2 (NM)			
Orthosoma brunneum (Forst.)	8*			
Pachyta				
lamed (L.)	1 (NM)			
litorata Kby.	1 (NM)*			
Parandra sp.			1-Pupae	
Phymatodes dimidiatus (Kby.)	7*			
Pogonocherus				
mixtus Hald.	1 (NM)*			
penicellatus Lec.	15*			
Prionus				
imbricornis (L.)	1 (NM)			
laticollis (Drury)	1			
Psenocerus supernotatus (Say)	5*			
Rhagium				
inquisitor (L.)	2			
lineatum Oliv.	15*			
trivittus Say	1 (NM)			
vestitus Hald.	2 (NM)*			
Ropalopus sanguinicollis (Horn)	1 (NM)			
Saperda				
sp.	2*			
calcarata Say	9*		6-Larvae, pupae	
candida Fab.	3			
concolor Lec.	8*			
[moesta Lec.]				
populnea moesta Lec.	1			
obliqua Say	4*			
puncticollis Say	1 (NM)			
tridentata Oliv.	4*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CERAMBYCIDAE (cont'd)				
[unicolor Felt & Joutel]				
concolor unicolor F. & J.	8*		9-Larvae	
vestita Say	2 (NM)			
Strangalepta				
lineola (Say)	1 (NM)			
pubera (Say)	1 (NM)			
Tetraopes tetrophthalmus (Forst.)	8			
Tetropium				
sp.	2*			
cinnamopterum Kby.	20*			
cinnamopterum cinnamopterum Kby.	4*			
parvulum Csy.	2 (NM)*			
velutinum Lec.	1			
Tragosoma [harrisi Lec.]				
depsarium Linn.	7*			
Tylonotus bimaculatus Hald.	2 (NM)			
Typocerus				
lugubris (Say)	1			
velutinus (Oliv.)	4			
Xestoleptura				
crassipes (Lec.)	1 (NM)			
octonotata (Say)	1 (NM)			
Xylotrechus				
sp.	1*			
annosus (Say)	18*		2-Larvae	
colonus (Fab.)	17*			
fuscus (Kby.)	1*			
undulatus (Say)	10*			
CHRYSOMELIDAE				
Acalymma vittata (Fab.)	1*			
Adoxus obscurus (L.)	15 (NM)*			
Altica				
ambiens alni Harr.	162*	37	14-Larvae, pupae, frass	Larvae, pupae (BW) damage (C)
bimarginata Say			1-Larvae	
corni Woods	14*		1-Eggs	Damage (BW)(C)
tombacina shoemakeri Schffr.	2*			
ulmi Woods	68*		2-Larvae	Eggs, damage (C) adults (BW)
Baliosus ruber (Web.)	1			
Calligrapha				
alni Schffr.	6			
bidenticola Brown	1*			
confluens Schffr.	30*			
sp. prob. confluens Schffr.	8*			
[elegans (Oliv.)]				
californica coreopsivora Brown	8*			
ignota Brown	2*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CHRYSOMELIDAE (cont'd)				
<i>multipunctata bigsbyana</i> (Kby.)	20*			
<i>philadelphica</i> (L.)	28*			
<i>rowena</i> Knab.	2*			
<i>scalaris</i> Lec.	2*			
<i>verrucosa</i> Suffr.	7 (NM)*			
<i>Chalcoides</i>				
sp.	29*			
<i>helxines</i> (L.)	18*			
<i>Chirida guttata</i> (Oliv.)	10*			
<i>Chlamisus</i>				
sp.	2*			
<i>cribripennis</i> Lec.	1			
<i>gibbosa</i> (Fab.)	2			
<i>Chrysochus auratus</i> (Fab.)	9			
<i>Chrysomela</i>				
sp.	3*			
<i>crotchi</i> Brown	5*			
<i>falsa</i> Brown	23*			
<i>interrupta</i> Fab.	12		1-Pupae	
<i>lapponica</i> (L.)	11			
<i>lineatopunctata</i> Forst.	1*			
<i>mainensis mainensis</i> Bech.	33*			
<i>scripta</i> (Fab.)	2			
[<i>tremulae</i> Auct.] <i>crotchi</i> Brown	8			
n. sp.	8*			
<i>Crepidodera</i> n. sp.	40*			
<i>Crioceris duodecimpunctata</i> (L.)	1*			
<i>Cryptocephalus</i>				
<i>quadrifasciatus</i> Say	1*			
<i>quadrifasciatus</i> Newm.	1 (NM)*			
<i>Diabrotica vittata</i> (Fab.)	3*			
<i>Dibolia borealis</i> Chev.	13			
<i>Disonycha</i>				
<i>quinquevittata</i> (Say)	9 (NM)*			
<i>triangularis</i> (Say)	1 (NM)*			
<i>Donacia</i>				
sp.	10*			
<i>emarginata</i> Kby.	3*			
<i>germari</i> Mann.	1 (NM)*			
<i>hirticollis</i> Kby.	1*			
<i>proxima</i> Kby.	7			
<i>sulcicollis</i> Lec.	1*			
<i>Entomoscelis adonidis</i> (Pallas)	6 (NM)*			
<i>Epitrix cucumeris</i> Har.	14*			
<i>Galerucella</i>				
sp.	16*			
<i>alni</i> Fall	8*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CHRYSOMELIDAE (cont'd)				
cavicollis (Lec.)	2*			
cribrata (Lec.)			1-Larvae (NM)	
decora (Say)	48*			
kalmiae Fall	14*			
luteola (Mull.)	31*		1-Larvae	
nymphaeae (L.)	1*			
perplexa Fall	5*			
[xanthomelaena (Schrank)]				
luteola Mull.				Damage (C)
Gastrophysa				
polygona (L.)	3*			
Gonioctena americana Schaeef.	63*		2-Larvae	
Graphops sp.	1			
Labidomera clivicollis (Kby.)	8			
Leptinotarsa decemlineata (Say)	9*			
Lina interrupta Fab.	6*			
Longitarsus sp.	1*			
Metriona bicolor (Fab.)	4*			
Orsodacne atra (Ahr.)	6*			
Pachybrachys				
sp.	1*			
obsoletus Suffr.	16*			
Paria sp.	16*			
Phratora				
americana canadensis Brown	22*			
purpurea novae-terrae Brown	1 (NM)*			
purpurea purpurea Brown	6*			
Phyllotreta				
amoraciae (Koch)	11*			
vittata (Fab.)	1			
Phytodecta americana Schaeef.				Damage (C)
Psylliodes punctulata Melsh.	10*			
Syneta				
sp.	1*			
n. sp.	43*			
extoris borealis Brown	15*			
ferruginea (Germ.)	16*			
pilosa Brown	3*			
Systema frontalis (Fab.)	11*			
Trirhabda				
sp.	2*			
canadensis (Kby.)	7			
[Zygogramma exclamationis (Fab)]				
Zygospila exclamationis (Fab.)	1 (NM)*			

CICINDELIDAE

Cicindela	
duodecimguttata Dej.	4*

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CICINDELIDAE (cont'd)				
<i>hirticollis</i> Say	3 (NM)			
<i>lecontei</i> Hald.	1 (NM)			
<i>longilabris</i> Say	6*			
<i>repanda</i> Dej.	3*			
<i>sexguttata</i> Fab.	4*			
<i>tranquebarica</i> Lec.	9*			
CLERIDAE				
<i>Cymatodera bicolor</i> Say	2			
<i>Enoclerus</i>				
<i>nigripes rufiventris</i> Spin.	7*			
<i>quadriguttatus</i> Oliv.	1 (NM)*			
<i>Thanasimus</i>				
<i>dubius</i> (Fab.)	6*			
<i>nubilus</i> Klug	2 (NM)*			
<i>undulatus</i> Say	7*			
<i>Zenodosus sanguineus</i> (Say)	1*			
COCCINELLIDAE				
<i>Adalia</i>				
<i>bipunctata</i> (L.)	103*		5-Larvae	Larvae, pupae(BW)(C)
<i>conglomerata</i>				Eggs, larvae, pupae, adults (C)
<i>frigida</i> (Schn.)	9*			
<i>ronina</i> (Lewis)	21 (NM)*		11-Larvae, adults	Eggs, larvae, pupae, adults (BW)(C)
<i>tetraspilota</i> Hope.	23 (NM)*			Eggs, larvae, pupae adults (C)
<i>Anatis</i>				
sp.	2*			
<i>mali</i> (Say)	43*			Larvae, pupae (C)
[<i>ocellata</i> (L.)] <i>mali</i> Say				Larvae, pupae, adults (C)
<i>quindecimpunctata</i> Oliv.			4-Larvae	Larvae, pupae (BW)
<i>signaticollis</i> Muls.	15*			
<i>Anisocalvia</i>				
<i>duodecim-maculata</i> (Gebl.)	2			
<i>quatuor-decimguttata</i> (L.)	5*			
<i>Aphidecta oblitterata</i> (L.) Imported	168(NM)*		28-Eggs, larvae, pupae, adults(NM)	Eggs, larvae, pupae, adults (BW)(C)
<i>Ballia eucharis</i> Muls.	34*		20-Larvae	Eggs, larvae, pupae, adults (BW)(C)
<i>Brachyacantha ursina</i> (Fab.)	7*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
COCCINELLIDAE (cont'd)				
<i>Chilocorus</i>				
[<i>bivulnerus</i> Muls.] <i>stigma</i> (Say)	114*		16-Larvae, adults	Larvae, pupae, (BW) (C)
[<i>Cleis</i>] <i>Mulsantina picta</i> Rand.			2-Larvae	
<i>Coccinella</i>				
sp.	7*			
<i>billieti</i> var. <i>testacea</i>				Eggs, larvae, pupae, adults (BV) (C)
<i>monticola</i> Muls.	35*			
<i>novemnotata novemnotata</i> Hbst.	3 (NM)			
<i>perplexa</i> Muls.	10*			
<i>septempunctata</i> L.	30 (NM)*		6-Larva, adults	
<i>transversoguttata</i> Fald.	25*			Larvae, pupae (C)
<i>transversoguttata</i> [<i>quinquenotata</i> Kby.]				
<i>richardsoni</i> Brown.	57*			Larvae, pupae, (BW) (C)
<i>trifasciata perplexa</i> Muls.	4*			
<i>Cycloneda sanguinea</i> (L.)	4 (NM)			
<i>Exochomus</i>				
sp.	4*			Eggs, larvae, pupae, adults (BW) (C)
<i>lituratus</i> Gorch.	60 (NM)*			
<i>quadripustulatus</i> Nunen.	62			
<i>urophygialis</i> Muls.	74 (NM)*		20-Larvae, pupae, adults	Eggs, larvae, pupae adults (BW) (C)
<i>Harmonia breiti</i> Mader	25 (NM)*		9-Eggs, larvae, adults	Eggs, larvae, pupae (BW) (C)
<i>Hippodamia</i>				
<i>convergens</i> Guér.	2*			
<i>parenthesis</i> (Say)	5*			
<i>13-punctata</i> (L.)	6*			
<i>13-punctata tibialis</i> (Say)	2*			
<i>Hyperaspis bigeminata</i> (Rand.)	1*			
<i>Leis dimidiata</i> Fab.	17 (NM)*		20-Larvae, adults	Eggs, larvae, pupae (BW) (C) adults (C)
<i>Mulsantina</i>				
sp.	12*			Pupae (BW) (C)
<i>hudsonica</i> Csy.	496*			
<i>picta</i> (Rand.)	8			Pupae (C)
<i>picta picta</i> (Rand.)	8			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
COCCINELLIDAE (cont'd)				
<i>Neomysia</i>				
sp.	19*			
<i>pullata randalli</i> Csy.	17*			
sp. prob. <i>subvittata</i> (Muls.)	2*			
<i>Oenopia</i>				
<i>luteopustulata</i> Muls.				Eggs, larvae, pupae, adults (C)
<i>sauzeti</i> Muls.				Eggs, larvae, pupae, adults (C)
<i>Psyllobora viginti-maculata</i> (Say)	6			
[Pullus] <i>Scymnus</i>				
sp.	3			Larvae (BW)(C)
<i>impexus</i> (Muls.)	72 (NM)*		18-Larvae, adults	Eggs, pupae, adults (BW)
<i>pumilio</i> (Wse.)	27 (NM)*			Larvae (BW)(C)
<i>Scymnus</i>				
<i>puncticollis</i> Lec.				Larvae (C)
sp. nr. <i>puncticollis</i> Lec.	10*			Larvae (BW)
<i>suturalis</i> Lec.			1-Adults(NM)	Adults (C)
<i>Synharmonia conglobata</i> L.				Eggs, larvae, pupae, adults(C)
[CORVNETIDAE] CLERIDAE				
<i>Necrobia violacea</i> (L.)	1 (NM)			
<i>Phyllobaenus</i>				
<i>dislocatus</i> Say	3*			
<i>verticalis</i> Say	1*			
CRYPTOPHAGIDAE				
<i>Atomaria</i> sp.	1*			
<i>Cryptophagus</i> sp.	2			
CUCUJIDAE				
<i>Cucujidae</i>				
<i>Laemophloeus</i> sp.	3			
<i>Oryzaeophilus surinamensis</i> L.	14			
<i>Pediacus fuscus</i> Er.	2 (NM)*			
<i>Silvanus bidentatus</i> (Fab.)	2*			
CURCULIONIDAE				
<i>Acanthoscelis acephalus</i> (Say)	4			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CURCULIONIDAE (cont'd)				
<i>Acoptus suturalis</i> Lec.	1*			
<i>Anthonomus</i>				
sp.	5*			
<i>signatus</i> Say	1 (NM)*			
<i>Attelabus rhois</i> Boh.	6*			
<i>Barynotus</i>				
<i>obscurus</i> (F.)	2*			
<i>schonherri</i> Zett.	1			
<i>Barypeithes pellucidus</i> (Boh.)	8*			
<i>Brachyrhinus</i>				
<i>ligneus</i> Oliv.	1*			
<i>ovatus</i> (L.)	87*			
<i>singularis</i> L.	84*			
<i>sulcatus</i> Fab.	10*			
<i>Carphonotus testaceus</i> Csy.	1*			
<i>Ceutorhynchus punctiger</i> Gyll.	13*			
<i>Kimberis elongatus</i> Lec.	1*			
<i>Curculio</i>				
sp.	2*			
<i>baculi</i> Chitt.	3*			
<i>Dorytomus</i> sp.	64*			
<i>Dryophthorus americanus</i> Bedel	2*			
<i>Elleschus bipunctatus</i> (L.)	17*			
<i>Geoderces melanothrix</i> (Kby.)	1			
<i>Hylobius</i>				
sp.	6*			
<i>confusus</i> Kby.	10			
<i>congener</i> D. T.	9*			
<i>pales</i> Boh.	48		1-Pupae	
<i>piceus</i> DeG.	41*			
<i>Hypera punctata</i> (Fab.)	1*			
<i>Listronotus</i>				
sp.	2			
<i>caudatus</i> (Say)	1*			
<i>Magdalis</i>				
sp.	20*			
<i>alutacea</i> Lec.	8*			
<i>armicollis</i> Say	22*			
<i>austera substriga</i> Fall	1*			
<i>barbita</i> Say	32*		1-Larvae	
<i>gentilis</i> Lec.	1			
<i>Nemocestes horni</i> Van D.	4*			
<i>Notaris</i>				
<i>aethiops</i> (Fab.)	3*			
<i>bimaculatus</i> F.	1*			
<i>puncticollis</i> (Lec.)	2			
<i>Phyllobius</i>				
<i>intrusus</i> Konb.	9 (NM)			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CURCULIONIDAE (cont'd)				
oblongus (Linn.)	10*			
Phytonomus				
meles (Fab.)	5			
nigrirostris (Fab.)	4*			
Pissodes				
affinis Rand.	21*		1-Larvae	
approximatus Hopk.	1*			
dubius Rand.	46*		1-Larvae, pupae	
rotundatus Lec.	2*			
similis Hopk.	1*			
strobi (Peck)	185*		3-Larvae, pupae	Damage (C)
Proctorus armatus Lec.	2*			
Rhinoncus				
castor (L.)	1*			
pyrrhopus Boh.	4*			
Rhynchaenus				
sp.	4*			
pallicornis Say	1*			
Rhynchites cyanellus Lec.	1			
Rhyncolus brunneus Mann.	2 (NM)*			
Sciaphilus				
asperatus Bonsd.	1*			
muricatus (Fab.)	9*			
Scythropus elegans (Couper)	16*			
Sitona				
hispidulus (Fab.)	13*			
lepidus Gyll.	6*			
Scissifrons Say	1*			
tibialis Hbst.	6*			
Sphenophorus				
costipennis Horn	1			
oryzae (L.)	3			
Sternochetus lapathi (L.)	38*		5-Larvae, pupae	Larvae (BW)(C)
Strophosoma melanogrammum Forst.	89*			
Trachyploeus bifoveolatus Beck.	9*			
Tychius				
picirostris (Fab.)	10*			
stephensi Schonh.	7*			
DASCILLIDAE				
Araeopidius monachus Lec.	2 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
DERMESTIDAE				
Anthrenus				
sp.			1-Larvae	
scrophulariae (L.)	7*			
Attagenus piceus Oliv.	16*			
Byturus				
sp.	5*			
unicolor Say	11*			
Dermestes lardarius L.	13*			
Perimegatoma sp.	1*			
Trogoderma sp.	1*			
DERODONTIDAE				
Laricobius				
sp.	18*		94-Eggs, larvae, pupae, adults(NM)	Eggs, larvae pupae, adults(C)
erichsonii Rosen.	262 (NM)*(40*slides)			
rubidus Lec.	18*		37-Eggs, larvae, adults	Eggs (BW)(C) larvae (BW)
DYTISCIDAE				
Agabus				
gagates Aube'	2*			
seriatus (Say)	2*			
Colymbetes sculptilis Harr.	19*			
Dytiscus				
sp.	4*		2-Larvae(NM)	
ooligbuki Kby.	1*			
Hydrophilus sp.	3			
Hydroporus				
sp.			2-Larvae(NM)	
sp. nr. undulatus Say	1*			
Ilybius				
sp.	1*		1-Larvae	
angustior (Gyll.)	6*			
biguttulus (Germ.)	11*			
pleuriticus Lec.	2*			
Laccophilus sp.			1-Larvae(NM)	
ELATERIDAE				
Aeolus melillus Say	6			
Agriotella bigeminata Rand.	2			
Agriotes				
collaris (Lec.)	4			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
ELATERIDAE (cont'd)				
fucosus (Lec.)	10*			
limosus (Lec.)	21*		1-Larvae	
lineatus L.	9*			
mancus (Say)	14*			
obscarus L.	13*			
pubescens Melsh.	10 (NM)			
sputator L.	6			
stabilis Lec.	4*			
Alaus				
myops (Fab.)	1			
oculatus (L.)	4 (NM)			
Ampedus				
sp.	22*			
apicatus Say	6*			
evansi Brown	2*			
luctuosus Lec.	1*			
melsheimeri Leng	1*			
nigricollis Hbst.	3*			
nigrinus Hbst.	1*			
obliquus Say	1*			
pedalis Germ.	1*			
pullus Germ.	4*			
rubricus Say	1			
sanguinipennis Say	1 (NM)		1-Larvae	
Athous				
orvus Brown	1			
rufifrons Rand.	2*			
Cardiophorus				
sp.	3			
convexus (Say)	1 (NM)			
gagates Er.	2*			
Crigmus abruptus (Say)	1 (NM)			
Ctenicera				
sp.	1*		1-Larvae	
aereipennis (Kby.)	28*			
appressa (Rand.)	2 (NM)*			
appropinquans (Rand.)	35*			
arata (Lec.)	17*			
cruciata pulcher (Lec.)	10			
cylindriformis (Hbst.)	20*			
falsifica (Lec.)	7			
fulvipes (Bland.)	1			
hieroglyphica (Say)	11*			
insidiosa (Lec.)	4*			
kendalli (Kby.)	5 (NM)*			
lobata pygmaea V.D.	33*			
lobata (Mann.)	1*			
mediana (Germ.)	19*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
ELATERIDAE (cont'd)				
mendax (Lec.)	3	(NM)*		
nigricornis (Panz.)	29*			
nitidula (Lec.)			1-Larvae	
propola (Lec.)	25*			
propola propola (Lec.)			4-Larvae	
resplendens resplendens (Esch.)	11*		1-Larvae	
rufopleuralis Fall	4*			
spinosa (Lec.)	19*			
splendens (Zieg.)	1			
tarsalis (Melsh.)	15*			
triundulata (Rand.)	30*		2-Larvae, pupae	
Dalopius				
sp.	73		1-Larvae	
n.sp.	9*			
cognatus Brown	5	(NM)*		
lateralis Esch.	3*			
pallidus Brown	1*			
vagus Brown	3*			
Denticollis				
denticornis (Kby.)	10*			
productus (Rand.)	1			
Drasterius debilis Lec.	4*			
Eanus				
decoratus (Mann.)	11	(NM)*		
estriatus (Lec.)	1			
maculipennis (Lec.)	4	(NM)*		
Hemicrepidius				
bilobatus (Say)	1	(NM)		
memnonius (Hbst.)	12*			
Hypnoidus tumescens (Lec.)	5	(NM)*		
Hypolithus				
abbreviatus (Say)	4*			
bicolor (Esch.)	4*			
Lacon				
brevicornis Lec.	18*			
obtectus (Say)	1			
Limonius				
aeger Lec.	18*			
canus (Lec.)			1-Larvae (NM)	
plebejus (Say)	1			
propexus Cand.	1			
Melanotus				
sp.	11*			
sp. nr. difficilis Blatch.	3*			
canadensis Cand.	1			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
ELATERIDAE (cont'd)				
castanipes (Payk.)	5*			
communis (Gyll.)	1*			
corticinus (Say)	2*			
decumanus (Er.)	1 (NM)			
fissilis (Say)	3*			
Monocrepidius auritus (Hbst.)	1			
Oestodes				
graciliformis (Rand.)	6*			
tenuicollis (Rand.)	13		1-Larvae	
Oxygonus				
montanus Schfr.	2*			
obesus (Say)	1			
Parallelostethus attenuatus (Say)	1(NM)			
Pityobius billingsi Bland	6*			
Sericus				
brunneus Linn.	13*			
honestus Rand.	14*			
ENDOMYCHIDAE				
Endomychus biguttatus Say	7*			
GYRINIDAE				
Gyrinus sp.	3*		1-Larvae	
HALIPLIDAE				
Halipus sp.			1-Larvae (NM)	
Pelodytes sp.			1-Larvae (NM)	
HELMIDAE				
Helmis sp.	1*			
HELODIDAE				
Cyphon				
sp.	2*			
collaris (Guér.)	4*			
obscurus (Guér.)	4*			
variabilis (Thunb.)	13*			
Helodes maculicollis Horn	1*			
Prionocyphon sp.	1 (NM)*			
HISTERIDAE				
Cylistix cylindrica (Payk.)	7*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
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HISTERIDAE (cont'd)

Hister				
sp.	8*			
furtivus Lec.	6			
Isolomalus bistriatus Er.	1*			
Platysoma depressum Lec.	1 (NM)*			
Saprinus				
sp.	1 (NM)*			
fraternus Say	3 (NM)			

HYDROPHILIDAE

Anacaena infuscata (Mots.)	3*			
Cryptopleurum minutum (Fab.)	1*			
Enochrus hamiltoni (Horn)	1*			
Hydrobius fuscipes L.	9*			
Hydrophilus				
sp.	3*			
obtusatus Say	1*			
Hydrous triangularis (Say)	2			
Sphaeridium scarabaeoides (L.)	2 (NM)*			

LAGRIIDAE

Arthromacra aenea (Say)	22*			
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LAMPYRIDAE

Lucidota				
sp.	19*			
atra (Fab.)	3*			
corrusca (L.)	21*			
nigricans (Say)	3*			
Photinus ardens Lec.	1*			
pennsylvanica (DeG.)	12*			
Pyractomena				
angulata (Say)	6*			
borealis (Rand.)	1*			

LATHRIDIIDAE

Corticaria				
sp.	11*			
dentigera Lec.	1 (NM)*			
Enicmus minutus (L.)	1*			
Lathridius consimilis Mann.	2*			
Melanophthalma				
sp.	16*			
gibbosa Hbst.	5*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
LEPTINIDAE				
<i>Leptinillus validus</i> (Horn)	6*		3-Larvae, adults	
LUCANIDAE				
<i>Lucanus</i> sp.	1			
<i>Platycerus</i> sp.	3*			
<i>depressus</i> Lec.	5 (NM)*			
LYCIDAE				
<i>Celetes basalis</i> Lec.	1*			
<i>Eros aurora</i> Hbst.	17*			
LYCTIDAE				
<i>Lyctus planicollis</i> Lec.	3*			
LYMEXYLIDAE				
<i>Hylecoetus lugubris</i> Say	3*			
MELANDRYIDAE				
<i>Abstrulia variegata</i> Casey	1 (NM)*			
<i>Dircaea quadrimaculata</i> (Say)	8*			
<i>Emmesa</i>				
<i>connectens</i> Newm.	3*			
<i>labiata</i> (Say)	4*			
<i>Mystaxus simulator</i> Newm.	1*			
<i>Penthe pimelia</i> (Fab.)	1*			
<i>Prothalia undata</i> Lec.	1			
<i>Scotochroa</i>				
sp.	2 (NM)			
<i>atra</i> Lec.	3 (NM)			
<i>buprestoides</i> (Kby.)	1 (NM)			
<i>Serropalpus</i>				
sp.	6*			
<i>barbatus</i> (Schall.)	58*			
<i>substriatus</i> Hald.	1*			
<i>Stenotrachelus</i>				
<i>aeneus</i> (Fab.)	9 (NM)			
<i>Symphora flavicollis</i> (Hald.)	1*			
<i>Synchroa</i>				
sp.			1-Larvae (NM)	
<i>punctata</i> Newm.			1-Larvae	
<i>Xylita</i>				
<i>laevigata</i> (Hellw.)	14*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
MELANDRYIDAE (cont'd)				
livida Sahlb.	3	(NM)		
MELASIDAE				
Dromaeolus harringtoni Horn	1	(NM)*		
Epiphanis cornutus Esch.	1	(NM)*		
Fornax sp.			1-Larvae(NM)	
MELOIDAE				
Epicauta sp.	12			
sayi Lec.	15*			
Linsleya sphaericollis (Say)	3*			
Lytta nuttali Say	6	(NM)*		
viridana Lec.	3	(NM)*		
Macrobasis unicolor (Kby.)	15*			
Meloe sp.	2*			
americanus Leach	2*			
MELYRIDAE				
Malachius aeneus (L.)	13*			
MORDELLIDAE				
Anaspis sp.	1*			
flavipennis Hald.	4	(NM)*		
rufa Say	17*			
Mordella sp.	16			
Mordellistena sp.	8			
MYCETOPHAGIDAE				
Mycetophagus punctatus Say	2*			
Typhaea fumata L.	46*			
stercorea L.	6*			
[MYLABRIDAE] BRUCHIDAE				
[Mylabris obtectus Say]				
Acanthosceoides obtectus Say	8*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NITIDULIDAE				
Brachypterus				
sp.	11*			
urticae (Fab.)	2*			
Cateretes pennatus (Murr.)	1 (NM)*			
Colopterus [truncatus (Rand.)] limbatus Lec.	1*			
Epuraea				
sp.	4*			
sp. (poss. planulata Er.)	2*			
flavomaculata Makl.	9*			
labilis Er.	10*			
rufa (Say)	1*			
Glischrochilus fasciatus (Oliv.)	10*			
quadrisignatus (Say)	10*			
quadrisignatus canadensis Brown	1*			
sanguinolentus (Oliv.)	5*			
sanguinolentus rubromaculatus Reit.	1*			
vittatus (Say)	1*			
Nitidula bipunctata (L.)	3 (NM)*			
Omosita				
colon (L.)	9*			
discoidea (Fab.)	2 (NM)*			
OEDEMERIDAE				
Calopus angustus Lec.	1*			
Ditylus coerulens (Rand.)	1 (NM)*			
Nacerda melanura (L.)	3		1-Larvae	
ORTHOPERIDAE				
Sacium				
sp.	4*			
OSTOMIDAE				
Ostoma ferruginea (L.)	8*		1-Larvae	
Tenebroides mauritanicus (L.)	4			
Thymalus marginicollis Chev.	4			
PHALACRIDAE				
Phalacrus sp.	4*			
PLATYPODIDAE				
Platypus wilsoni Sw.	1 (NM)			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PLATYSTOMIDAE				
Gonotropis gibbosus Lec.	1			
PTINIDAE				
Mezium affine Boield.	6*			
Ptinus sp.	1*			
fur L.	2*			
raptor Sturm.	4*			
villiger (Reit.)	2*			
PYROCHROIDAE				
Dendroides canadensis Lec.	1			
concolor Newm.	6*			
cyanipennis Lat.	3*			
PYTHIDAE				
Lecontia discicollis (Lec.)	2*			
Priognatha monilicornis (Rand.)	2 (NM)*			
Pytho sp.	1 (NM)			
niger Kby.	1*			
Rhinosimus viridiaeneus Rand.	1*			
RHIZOPHAGIDAE				
Pelecotoma flavipes Melsh.	1*			
Rhizophagus brunneus Horn	9*			
SCARABAEIDAE				
Aphodius corruptor Brown	1 (NM)*			
distinctus (Mull.)	1 (NM)*			
erraticus (L.)	4*			
fimetarius (L.)	13*			
fossor (L.)	5*			
granarius (L.)	11*			
haemorrhoidalis (L.)	2 (NM)*			
hyperboreus Lec.	7*			
leopardus Horn	1 (NM)*			
prodromus (Brahm.)	3*			
subterraneus (L.)	3*			
Bolbeceras liebecki Wallis	1*			
Ips				
amiskwiensis G. Hopk.	5 (NM)*			
borealis Sw.	1 (NM)*			
calligraphus (Germ.)	4			
grandicollis (Eich.)	2 (NM)*			
integer (Eich.)	1 (NM)*			
mexicanus (Hopk.)	1 (NM)*			
perroti Sw.	2*			
perturbatis (Eich.)	7*			
pini (Say)	54*			1-Larvae, pupae, adults
plastrographus (Lec.)	1 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SCARABAEIDAE (cont'd)				
<i>Copris tullius</i> Oliv.	2 (NM)			
<i>Dialytes striatulus</i> (Say)	1*			
<i>Dichelonyx</i> sp.			1-Eggs, adults	Adults (BW)(C)
<i>albicollis</i> Burm.	29*			
<i>elongatula</i> (Schon.)	14*			
<i>subvittata</i> Lec.	22*			
<i>Diplotaxis</i>				
<i>brevicollis</i> Lec.	4*			
<i>tristis</i> Kby.	1*			
<i>Geotrupes</i>				
<i>balyi</i> Jek.	2*			
<i>semiopacus</i> Jek.	3 (NM)			
<i>stercorarius</i> L.	7*			
<i>Hoplia trifasciata</i> Say	3*			
<i>Ligyrodes</i>				
<i>relictus</i> (Say)	27*			
<i>Onthophagus</i> sp.	1*			
<i>Osmoderma</i>				
<i>eremicola</i> Knoch	3*			
<i>scabra</i> (Beauv.)	12*			
<i>Pelidnota</i> sp.	1 (NM)			
<i>Phanaeus sulcatus</i> Drus.	2 (NM)*			
<i>Phyllophaga</i>			4-Larvae	
sp.				
<i>anxia</i> Lec.	12*			
<i>fulilis</i> Lec.	3 (NM)			
<i>Popillia japonica</i> Newm.	12 (NM)			
<i>Serica</i>				
sp.	6*			
<i>sericea</i> (Ill.)	5 (NM)*			
<i>tristis</i> Lec.	109*			
<i>Trichiotinus assimilis</i> (Kby.)	4*			
<i>Trox</i>				
sp.	1*			
<i>scaber</i> (L.)	3 (NM)*			
<i>unistriatus</i> Beauv.	5*			
SCOLYTIDAE				
<i>Anisandrus</i>				
<i>minor</i> Sw.	2 (NM)*			
<i>neardus</i> Schedl.	2*			
<i>populi</i> Sw.	1 (NM)*			
<i>pyri</i> (Peck)	1			
<i>Carpoborus carri</i> (Sw.)	3 (NM)*			
<i>Chramesus hicoloriae</i> Lec.	1 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SCOLYTIDAE (cont'd)				
Conophthorus				
sp.	2*			
coniperda (Sw.)	50			
resinosae Hopk.	21*			
Cryphalus balsameus Hopk.	1*			
Crypturgus atomus Lec.	3		1-Adult	
borealis Sw.	52		1-Adult	
Dendroctonus				
sp.	1 (NM)*			
[borealis Hopk.] obesus (Mann.)	1*			
brevicomis Lec.	1 (NM)*			
[johanseni Sw.] punctatus Lec.	12			
[piceaperda Hopk.] obesus(Mann.)	26		3-Larvae, adults, frass	Damage (C)
pseudotsugae Hopk.	3 (NM)*			
simplex Lec.	10*			
valens Lec.	53		3-Larvae	
Dryocoetes				
affaber (Mann.)	6*			
[americanus Hopk.]				
autographus Ratz.	108		1-Larvae, adults	
betulae Hopk.	33*			
confusus Sw.	1 (NM)*			
Gnathotrichus materiarius(Fitch)	42*			
Hylastes porculus Lec.	4*			
Hylastinus obscurus (Marsh.)	1 (NM)*			
Hylurgopinus rufipes (Eich.)	216*		14-Larvae, pupae, adults	Larvae, pupae (BW)(C)
Hylurgops				
pinifex (Fitch)	12*			
subcostulatus (Mann.)	4 (NM)			
Ips				
amiskwiensis G. Hopk.	5 (NM)*			
borealis Sw.	1 (NM)*			
calligraphus (Germ.)	4			
grandicollis (Eich.)	2 (NM)*			
integer (Eich.)	1 (NM)*			
mexicanus (Hopk.)	1 (NM)*			
perroti Sw.	2*			
perturbatis (Eich.)	7*			
pini (Say)	54*		1-Larvae, pupae, adults	
plastrographus (Lec.)	1 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SCOLYTIDAE (cont'd)				
thomasi G. Hopk.	3*			
tridens (Eich.)	15 (NM)*			
Leperisinus				
aculeatus (Say)	4*			
criddlei Sw.	1 (NM)*			
Micracis opacicollis Lec.	1 (NM)*			
Monarthrum fasciatum (Say)	2 (NM)			
Orthotomicus				
caelatus (Eich.)	129*		4-Larvae, adults	
lasiocarpi Sw.	1 (NM)*			
latidens (Lec.)	5*			
Phloeosinus				
canadensis Sw.	10*			
punctatus Lec.	1 (NM)*			
sequoiae Hopk.	1 (NM)*			
Phthorophloeus				
liminaris (Harr.)	2			
piceae Sw.	12 (NM)*			
Pityogenes				
hopkinsi Sw.	149*		5-Adults	
knechteli Sw.	1 (NM)*			
Pityokteines sparsus (Lec.)	112*		4-Adults	
Pityophthorus				
sp.	65*		1-Larvae	
sp. group III	1*			
cariniceps Lec.	33*			
lautus Eich.	2*			
nudus Sw.	163*			
patchi Blkm.	14*			
puberulus Lec.	55*			
pulicarius (Zimm.)	1 (NM)			
rhois Sw.	3 (NM)			
tuberculatus Eich.	64*			
Polygraphus rufipennis (Kby.)	321*		15-Larvae, adults	
Pseudocryphalus				
brittaini Sw.	1 (NM)			
criddlei Sw.	1 (NM)*			
Pseudopityophthorus minutissimus (Zimm.)	1 (NM)*			
Scierus annectens Lec.	9 (NM)*			
Scolytus				
multistriatus (Marsh.)			1-Adults	
piceae (Sw.)	21*			
quadrispinosus Say	1 (NM)*			
rugulosus Ratz.	3*			
Synharmonidae conglobata L.	9 (NM)*		2-Larvae (NM)	Eggs, larvae, pupae, adults(C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SCOLYTIDAE (cont'd)				
Taenioglyptes ruficollis Hopk.	8 (NM)*			
Trypodendron				
betulae Sw.	13			
[bivittatum (Kby.)]				
lineatum (Oliv.)	29			
[borealis Sw.]	1 (NM)*			
lineatum (Oliv.)	92*		4-Adults	
retusum (Lec.)	4*			
rufitarsis (Kby.)	1 (NM)*			
Trypophloeus nitidus Sw.	2*			
Xyleborus				
celsus Eich.	1 (NM)*			
pecanis Hopk.	1 (NM)			
Xyloterinus politus (Say)	14*			
STAPHYLINIDAE				
Acidota crenata (Fab.)	4*			
Actobius sp.	3*			
Anthobium sp.	9*			
Bledius sp.	7 (NM)			
Conosoma sp.	4*			
Creophilus				
maxillosus (L.)	2*			
[villosus (Grav.)] maxillosus (L.)	3*			
Lathrobium				
sp.	2 (NM)*			
simplex Lec.	2 (NM)*			
Omalium sp.	1*			
Ontholestes cingulatus (Grav.)	6*			
Oxyporus lateralis Grav.	1*			
Oxytelus sp.	2*			
Philonthus				
sp.	7*			
cyanipennis (Fab.)	3*			
Quedius sp.	9*			
Staphylinus badipes Lec.	1*			
Stenus sp.	2*			
Tachinus sp.	6*			
Tachyporus sp.	1*			
Trogophloeus sp.	7*			
Xantholinus sp.	1*			
SILPHIDAE				
Choleva sp.	8*			
Necrophorus				
sp.	1*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SILPHIDAE (cont'd)				
defodiens Mann.	5*			
orbicollis Say	3*			
sayi Lap.	1*			
tomentosus Web.	1			
Silpha				
americana Linn.	6*			
inaequalis Fab.	3			
noveboracensis Forst.	4*			
surinamensis Fab.	10*			
TENEBRIONIDAE				
Alobates pennsylvanica (DeG.)	3 (NM)			
Blapstinus sp.	1*			
Bolitotherus cornutus (Panz.)	1*			
Boros unicolor Say	1			
Corticeus sp.	2*			
Meracantha contracta (Beauv.)			1-Larvae(NM)	
Paratenetus sp.	16*			
Phellopsis obcordata (Kby.)	17*			
Platydema sp.	1*			
Scaphidema aeneolum (Lec.)	9*			
Tenebrio				
molitor L.	29*		1-Larvae	
picipes Hbst.	2*			
Tribolium				
castaneum (Hbst.)	3			
confusum Jacq.	11*		1-Larvae, adults	
destructor Uyttenb.	5*			
Upis ceramboides (L.)	7*			
MECOPTERA				
PANORPIDAE				
Panorpa				
signifer Bks.	1*			
subfurcata Westw.	1*			
TRICHOPTERA				
LIMNAPHILIDAE				
Limnophilus moestus Bks.	2*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved: immatures, adults; frass	Illustrations
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LEPIDOPTERA

AEGEIIDAE - *Clear Wings*

<i>Aegeria apiformis</i> Cl.			1-Larvae	
<i>Albuna pyramidalis</i> Wlk.	3 (NM)*			
<i>Bembecia marginata</i> Harr.	1 (NM)*			
<i>Parharmonia pini</i> Kell.			2-Larvae (NM)	
<i>Synanthedon acerni</i> Clem.	2*			
<i>fulvipes</i> Harr.	4*			
<i>piceae</i> Dyar	1*			
<i>Vespa pini</i> Kell.			1-Larvae	

AGARISTIDAE - *Foresters*

<i>Alypia langtoni</i> Couper	4*			
<i>octomaculata</i> Fabr.		1		

AMATIDAE

<i>Cisseps fulvicollis</i> Hbn.	11*			
<i>Ctenucha virginica</i> Charp.	20*			
<i>Lycomorpha pholus</i> Dru.	1*			

ARCTIIDAE

<u>Apantesis</u>				
<i>doris minea</i> Sloss.	1*			
<i>michabo</i> Grt.	2			
<i>parthenice</i> Kby.	21*			
<i>virgo</i> Linn.	21*			
<i>virguncula</i> Kby.	30*			
<i>vittata</i> Fabr.	1*			
<i>williamsii</i> Dodge	8*			
<i>Arctia caja americana</i> Harr.	5*			
<i>Clemensia albata</i> Pack.	10*			
<i>Crambidia pallida</i> Pack.	6*			
<i>Cynia tenera sciurus</i> Bdv.	6*			
<i>Diacrisia virginica</i> Fabr.	32*			
<u>Estigmene</u>				
<i>acrea</i> Dru.	14*	2*		
<i>congrua</i> Wlk.	11*		1-Eggs	
<i>prima</i> Sloss.	15*			
<u>Halisidota</u>				
<i>caryae</i> Harr.	6*	1*		
<i>cinctipes</i> Hy. Edw.	2			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
ARCTIIDAE (cont'd)				
<i>maculata</i> Harr.	37*	5*	3-Larvae, frass	Larvae (BW)(C)
<i>tessellaris</i> J.E. Smith	13*			
<i>Haploa lecontei</i> Guer.	3*			
<i>Holomelina</i>				
<i>ferruginosa</i> Wlk.	4*			
<i>ferruginosa immaculata</i> Reak.	7*			
<i>laeta treatii</i> Grt.	5*			
<i>lamae</i> Free.	1*			
<i>Hyphantria cunea</i> Drury	147*	38	22-Larvae, pupae, frass	Larvae (BW)(C)
<i>Hypoprepia fucosa</i> Hbn.	12*			
<i>Isia isabella</i> J. E. Smith	16*	1		
<i>Lexis bicolor</i> Grt.	12*	3*	1-Larvae	
<i>Parasemia parthenos</i> Harr.	17*			
<i>Phragmatobia</i>				
<i>assimilans</i> Wlk.	11*			
<i>fuliginosa</i> L.	9*			
<i>fuliginosa rubricosa</i> Harr.	9*			
<i>lineata</i> Newman & Donahue	3 (NM)			
BLASTOBASIDAE				
<i>Holcocera immaculella</i> McD.	9*			
CITHERONIIDAE				
<i>Anisota</i>				
<i>rubicunda</i> Fabr.	19*	1	5-Larvae, frass	
<i>senatoria</i> J. E. Smith	2 (NM)			
<i>virginiensis</i> Drury	2*	7	1-Frass	
COLEOPHORIDAE				
<i>Coleophora</i>				
sp.	1*			
<i>atromarginata</i> Braun	1*			
<i>coruscipennella</i> Clem.	1*			
<i>fuscedinella</i> Zell.	155*		7-Larvae, pupae, frass	Larvae, pupae, damage (BW)(C)
<i>innotabilis</i> Braun	9*		1-Pupae	Pupae (BW)(C)
<i>laricella</i> Hbn.	117*		1-Larvae	Eggs, damage (BW)(C)
<i>pruniella</i> Clem.	3*			
sp. nr. <i>pruniella</i> Clem.	4*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
COLEOPHORIDAE (cont'd)				
<i>serratella</i> Linn.	25*		1-Larvae	
<i>tiliaefoliella</i> Clem.	2*			
COSSIDAE				
<i>Acosus centerensis</i> Lint.	1*			
<i>populi</i> Wlk.	7*			
<i>Prionoxystus robiniae</i> Peck	1*			
COSMOPTERYGIDAE				
<i>Lymnaecia phragmitella</i> Staint.	3*			
<i>Mompha claudiella</i> Kft.	1*			
DANAIDAE				
<i>Danaus plexippus</i> Linn.	2			
DREPANIDAE				
<i>Drepana arcusta</i> Wlk.	17*			
<i>bilineata</i> Pack.	19*	1*	1-Pupae	
<i>bilineata</i> form <i>levis</i> Hud.		1 (NM)		
<i>Eudeilinia herminiata</i> Gn.	1 (NM)*			
<i>Oreta rosea</i> Wlk.-	1*			
<i>rosea</i> form <i>irrorata</i> Pack.	4*			
ELACHISTIDAE				
<i>Elachista</i> sp.	1*			
EPIPLEMIDAE				
<i>Callizzia amorata</i> Pack.	12*			
GELECHIIDAE				
<i>Anacampsis</i> sp.	4*	1		
<i>innocuellla</i> Zell.	15*		5-Larvae, pupae, frass	Larvae, pupae (BW) (C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GELECHIIDAE (cont'd)				
Chionodes				
fluvialella Busck	1*			
vernella Murt.	3*			
Compsolechia				
sp.	1*			
niveopulvella Chamb.	51*		3-Larvae	
Dichomeris				
ligulella Hbn.	1*			
marginella Fabr.	9*			
Duvita vitella Busck			1-Larvae	
Eucordylea atrupictella Dietz	8*	2	6-Larvae, pupae	Pupae (BW)(C)
[Evagora piceaella Kft.]				
Pulicalvaria piceaella Kft.	1*			
[Evagora thujaella Kft.]				
Pulicalvaria thujaella Kft.	1		2-Larvae frass	Larvae (BW)(C)
[Gelechia]				
Exoteleia sp. nr. viduella Fabr.	4*			
Gnorimoschema				
sp.			1-Larvae(NM)	
gallaeasteriella Kell.	3*			
Onebala alacella Clem.	1*			
Recurvaria				
sp.	18*		5-Larvae, pupae, frass	
[Recurvaria coniferella Kft.]				
Pulicalvaria coniferella Kft.	16		2-Larvae, frass	Larvae (BW)(C)
[Recurvaria thujaella Kft.]				
Pulicalvaria thujaella Kft.	1		2-Larvae, frass	Larvae (BW)(C)
Telphusa betulella Busck	1(NM)*			
Thelyasceta purpureofusca Wlshm.	2*			
GEOMETRIDAE				
Abbottana clemataria J. E. Smith	11*	7*	1-Larvae	Larvae, pupae (BW)(C)
Acasis viridata Pack.	1*			
Aethalura anticaria Wlk.	9*			
Alsophila pometaria Harr.	114	11	24-Eggs, larvae, pupae, frass	Eggs, larvae, pupae (C)
Anacamptodes				
ephyraria Wlk.	5*			
humaria Gn.	2*			
larvaria Gn.	12*	4		
vellivolata Hlst.	6*	5*		
Anagoga occiduaria Wlk.	11*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GECMETRIDAE (cont'd)				
<i>Anavitrinella</i>				
<i>pampinaria</i> Gn.	5*	2*		Larvae (BW)(C)
<i>pampinaria erosiata</i> Wlk.	3*			
<i>Antepione</i>				
sp.	1			
<i>thisoaria</i> Gn.	10*			
<i>Apicia confusaria</i> Hbn.	4*			
<i>Bapta</i>				
<i>glomeraria</i> Grt.	5*			
<i>semiclarata</i> Wlk.	5*			
<i>vestaliata</i> Gn.	12*			
<i>Besma</i>				
<i>endropiaria</i> G. & R.	23*			
<i>quercivoraria</i> Gn.	13*			
<i>Biston</i>				
sp.	1*			
<i>cognataria</i> Guen.	30*	13*	6-Larvae, pupae, frass	Larvae (BW)(C)
<i>Brephos infans</i> Moesch.	1			
<i>Campaea perlata</i> Gn.	27*	7*	1-Larvae	Pupae (BW)(C)
<i>Caripeta</i>				
<i>angustiorata</i> Wlk.	20*	2*		
<i>divisata</i> Wlk.	50*	16*	3-Larvae, frass	Larvae (BW)(C)
<i>piniata</i> Pack.	12*	1		
<i>Carsia paludata</i> Thun.	1*			
<i>Cepphis decoloraria</i> Hlst.	1*			
<i>Chlorissa pistasciaria</i> Gn.	2*			
<i>Chlorochlamys chloroleucaria</i> Gn.	4*			
<i>Cingilia</i>				
<i>catenaria</i> Dru.	27*	2		
<i>catenaria rubiferaria</i> Swett	1*	9		Larvae, pupae (BW)(C)
<i>Cladara atroliturata</i> Wlk.	7*			
<i>Coryphista</i>				
<i>meadi</i> Pack.	1 (NM)*			
<i>meadi atlantica</i> Munroe		1*		
<i>meadi form badiaria</i> Hy. Edw.	1 (NM)*			
<i>Cosymbia pendulinaria</i> Gn.	27*	3*		
<i>Dellinia</i>				
sp.		1 (NM)*		
<i>erythemaria</i> Gn.	15 (NM)*			
<i>exanthemata bryantaria</i> Tayl.	2 (NM)			
<i>variolaria</i> Gn.	14*			
<i>Deuteronomos magnarius</i> Gn.	17*			

Species	No. Pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
Diactinia				
silaceata Schiff.	1*			
silaceata albolineata Pack.	6*			
Dysstroma				
citrata Linn.	11*			
hersiliata Gn.	6*			
hersiliata cervinifascia Wlk.	8*			
truncata traversata Kell.	1			
truncata walkerata Pears.	7			
Earophila vasiliata Gn.	8*			
Ectropis				
crepuscularia Schiff.	28*	13*	6-Eggs, larvae, frass	Larvae (BW) (C)
crepuscularia ab. abraxaria Wlk.	1*			
Ematurga amitaria Gn.	2*			
Ennomos subsignarius Hbn.	5 (NM)*	2*		
Entephria aurata Pack.	1*			
Enypia moillieti Blkmre.	1*			
Epirrhanthis substriataria Hlst.	3*			
Epirrhoe alternata Mull.	1*			
Epirrita				
autumnata Gn.	2	3*	4-Larvae pupae, frass	Pupae (BW) (C)
autumnata henshawi Swett	4*	9*	3-Larvae, pupae, frass	Pupae (C)
Erannis tiliaria Harr.	19*	6*	2-Larvae	Eggs, larvae, pupae (C)
Euchlaena				
sp.		1*		
amoenaria Gn.	1			
astylusaria Wlk.	1			
effecta Wlk.	9*			
irrararia B. & McD.	3*			
johnsonaria Fitch	13*			
marginata Minot	4*			
muzaria Wlk.	17*			
obtusaria Hbn.	6*			
serrata Dru.	11*			
vinulentaria G. & R.	4*			
Eudule mendica Wlk.	13*			
Eufidonia				
sp.				Larvae (BW) (C)
discospilata Wlk.	4*			
notataria Wlk.	12*	7*		

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
notataria convergaria Wlk.	2*			
Eumacaria latiferrugata Wlk.	3			
Euphyia				
centrostrigaria Woll.	2*			
multiferata Wlk.	1*			
unangulata intermedia Gn.	28*			
Eupithecia				
sp.	1*	2*		
annulata Hlst.	1*			
anticaria Wlk.	31*			
castigata Hbn.	2*			
coagulata Gn.	2*			
columbiata erpata Pears.	1*			
filmata Pears.	17*	13*	3-Larvae, pupae, frass	Larvae, pupae (BW) (C)
fletcherata Tayl.	3*	5*	3-Larvae, pupae, frass	
gelidata Moesch.	3*	3*		
geminata Pack.	6*			
gibsonata Tayl.	3*	1		
innotata Hfn.	1*			
luteata Pack.	30*	13*	3-Larvae, pupae, frass	Larvae, pupae (BW) (C)
misturata frostiata Swett	5*			
nimbicolor Hlst.	1*			
palpata Pack.	14*	7*	3-Larvae, pupae, frass	Larvae, pupae (BW) (C)
russeliata Swett	5 (NM)*			
satyrata Hbn.	1*			
sobrinata Hbn.	2 (NM)*			
sobrinata interruptofasciata Pack.	2*			
strattonata Pack.	2*			
transcanadata MacK.	37*	2	2-Larvae	
unicolor Hlst.	2			
Gabriola dyari Tayl.	2			
Glena cognataria Hbn.	4 (NM)*			
Gueneria basiararia Wlk.	3*			
Hesperunia sulphuraria Pack.	7*			
Homochlodes fritillaria Gn.	6*			
Horisme intestinata Gn.	4*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
<i>Hydrelia</i>				
<i>inornata</i> Hlst.	5*			
<i>lucata</i> Gn.	5*			
<i>Hydria undulata</i> Linn.	9*		1-Larvae	
<i>Hydriomena</i>				
sp.	1	1*		
<i>divisaria</i> Wlk.	16*	6	3-Larvae, pupae, frass	Larvae (BW) (C)
<i>frigidata</i> Wlk.	3*			
<i>furcata</i> Thun.	9*	3*		Larvae, pupae (BW) (C)
<i>perfracta</i> Swett	13*			
<i>renunciata</i> Wlk.	18*			
<i>reburata</i> Frey.	7*			
<i>Hypagyrtis</i>				
sp.		2*		
<i>nubecularia</i> Gn.	3*			
<i>piniata</i> Pack.	39*	8*	4-Larvae, pupae, frass	Larvae, pupae (BW) (C)
<i>subatomaria</i> Wood	4*			
<i>Hyperetis</i>				
<i>amicaria</i> H.-S.	9*	1*		Larvae (BW)(C)
<i>amicaria</i> form <i>alienaria</i> H.-S.	1*			
<i>amicaria</i> form <i>nyssaria</i> Gn.	1*			
<i>nepiasaria</i> Wlk.	5*			
<i>Itame</i>				
<i>anataria</i> Swett	21*	3*		Larvae, pupae (BW) (C)
<i>bitactata</i> Wlk.	2 (NM)*			
<i>exauspicata</i> Wlk.	3*			
<i>fulvaria</i> Vill.	9*	1*		
<i>loricaria</i> Evers.	7*	1		
<i>loricaria julia</i> Hlst.	4*			
<i>pustularia</i> Gn.	13*	1		
<i>subcessaria</i> Wlk.	6*			
<i>sulphurea</i> Pack.	1			
<i>virginialis</i> Hlst.		1*		
<i>Lambdina</i>				
<i>fervidaria athasaria</i> Wlk.	1*			
<i>fiscellaria fiscellaria</i> Guen.	93*	19*	6-Eggs, larvae, pupae, frass	Larvae, pupae, damage (BW)(C)
<i>fiscellaria lugubrosa</i> Hlst.	2 (NM)*			
<i>somniaria</i> Hlst.	2 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials. preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
Lobophora				
sp.				Larvae (BW)(C)
nivigerata Wlk.	11*			
Lozogramma subaequaria Wlk.	14*			
Lycia ursaria Wlk.	7*	1*		
Lygris				
destinata Moesch.	1*			
diversilineata Hbn.	3*			
diversilineata form				
gracilineata Gn.	1*			
explanata Wlk.	19*			
flavibrunneata McD.	6*			
flavibrunneata form				
unicolorata McD.	1			
propulsata Wlk.	9*			
serrataria B. & McD.	6*			
testata Linn.	11*			
xylina Hlst.	1*			
xylina speciosa Hlst.	1 (NM)*			
Melanolophia				
sp.		3*		
canadaria Gn.	2*			
signataria Wlk.	20*	2*		
Mesoleuca ruficillata Gn.	9*			
Mesothea incertata Wlk.	1*			
Metanema				
determinata Wlk.	9*			
inatommata Gn.	9*			
Metarranthia				
broweri Rupert	1*			
duaria Gn.	12*			
duaria septentrionaria				
B. & McD.	3*			
franclemonti Rupt.	7*			
hypochararia H.-S.	5*			
refractaria Gn.	6*			
warneri Harv.	2*			
Nematocampa filamentaria Gn.	41*	3*	2-Larvae, frass	Larvae (BW) (C)
Nemoria				
mimosaria Gn.	3*	4	1-Larvae	
rubrifrontaria Pack.	1			
Nepytia				
canosaria Wlk.	36*	8*	8-Larvae, pupae, frass	Larvae, pupae (BW) (C)
phantasmaria Stkr.	2 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
<i>Nyctobia limitaria</i> Wlk.	25*	6*	4-Larvae, pupae, frass	Larvae, pupae (BW) (C)
<i>Operophtera</i> sp. <i>bruceata</i> Hlst.	254*	1	1-Larvae 10-Eggs, larvae, pupae, adults	Eggs, larvae, pupae (BW)(C)
<i>brumata</i> L.	268*		5-Eggs, larvae, pupae, frass	Eggs, damage (C)
<i>Orthofidonia</i> <i>flavivenata</i> Hlst <i>tinctaria</i> Wlk.	2* 4*			
<i>Palaecrita vernata</i> Peck	35*	19	3-Larvae pupae, frass	Pupae (BW)(C)
<i>Percnoptilota</i> <i>obstipata</i> Fabr. <i>evansi</i> McD.	1* 2*			
<i>Perizoma</i> <i>basiliata</i> Wlk. <i>basiliata grandis</i> Hlst.	1* 6			
<i>Pero</i> sp. <i>honestarius</i> Wlk. <i>morrisonarius</i> Hy. Edw.		1* 28* 21*		
<i>Phaeoura querneris</i> J. E. Smith <i>Phigalia titea</i> Cram.	7 5*	1* 6*	2-Larvae, frass	Pupae (BW)(C)
<i>Flagodis</i> <i>alcoolaria</i> Gn. <i>keutzingi</i> Grt. <i>phlogosaria iris</i> Rupert <i>serinaria</i> H.-S.	2 1 6* 6*			
<i>Flemyria</i> sp. <i>georgii</i> Hlst.				Pupae (BW)(C)
<i>Priocycla armataria</i> H.-S. <i>Prochoerodes transversata</i> Dru.	9* 29*	1* 3*	1-Larvae (NM)	Larvae, pupae (BW) (C)
<i>Protitame virginalis</i> Hlst.	2 (NM)			
<i>Protoboarmia porcelaria</i> <i>indicataria</i> Wlk.	33*	6	4-Larvae frass	Larvae, pupae (BW) (C)
<i>Rheumaptera</i> sp.	4*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
<i>hastata</i> L.	6*	2*	1-Frass	Larvae, pupae (BW) (C)
<i>hastata gothicata</i> Gn.	2*			
<i>subhastata</i> Nolc.	3*			
Scopula				
<i>enucleata</i> Gn.	4*			
<i>enucleata form adornata</i> Prout	2*			
<i>inductata form sobria</i> Wlk.	11*			
<i>junctaria</i> Wlk.	20*			
<i>persimilis</i> Hlst.	6*			
<i>Selenia alciphearia</i> Wlk.	4 (NM)*			
Semiothisa				
sp.	1		6-Larvae, frass	
<i>aemulataria</i> Wlk.	4*			
<i>bicolorata</i> Fabr.	3			
<i>bisignata</i> Wlk.	14*	1		
<i>dispunctata</i> complex	127*	11	1-Frass	Larvae, pupae (BW) (C)
<i>granitata</i> group	66*	9*	5-Larvae, pupae, frass	
<i>mellistrigata</i> Grt.	5*			
<i>minorata</i> Pack.	4*			
<i>orillata</i> Wlk.	6*			
<i>oweni</i> Swett	13*	5*		Larvae (BW), (C)
<i>sexmaculata</i> Pack.	92*	8*	3-Larvae, pupae, frass	Pupae (BW) (C)
<i>ulsterata</i> Pears.	12*			
<i>Sicya macularia</i> Harr.	13*			
Spargania				
<i>luctuata</i> Schiff.	2*			
<i>luctuata obductata</i> Moesch.	6*			
<i>magnoliata</i> Gn.	8*			
<i>Synchlora rubrifrontaria</i> Pack.	1*			
Tacparia				
<i>detersata</i> Gn.	7*			
<i>zalissaria</i> Wlk.	1*			
Tetracis				
<i>cachexiata</i> Gn.	21*	2*	1-Larvae	
<i>crocallata</i> Gn.	16*			
<i>crocallata aspilatata</i> Gn.	2*			
Thera				
<i>juniperata</i> L.	26*		1-Larvae	
<i>otisi</i> Dyar	2 (NM)*			
<i>Trichodezia albovittata</i> Gn.	2 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
GEOMETRIDAE (cont'd)				
<i>Triphosa haesitata affirmaria</i> Wlk.	12*			
<i>Venusia</i>				
<i>cambrica</i> Curt.	8*			
<i>comptaria</i> Wlk.	5*			
<i>Xanthorhoe</i>				
<i>abrasaria</i> H.-S.	7*			
<i>algidata</i> Moesch.	1*			
<i>designata emendata</i> Pears.	11*			
<i>ferrugata</i> Clerk.	13*			
<i>ferrugata form unidentaria</i> Haw.	12*			
<i>iduata</i> Gn.	3*			
<i>lacustrata</i> Gn.	4*			
<i>munitata</i> Hbn.	14*			
<i>Xanthotype</i>				
<i>sospeta</i> Dru.	4*			
<i>urticaria</i> Swett	12*			
GLYPHIPTERYGIDAE				
<i>Allononyma diana</i> Hbn.	2*			
<i>Anthophila pariana</i> Cl.	9*		1-Larvae	
GRACILLARIIDAE				
<i>Gracillaria</i>				
sp.	14*		2-Larvae	
<i>alnivorella</i> Cham.	6*			
<i>betulivora</i> McD.	5*			
<i>invariabilis</i> Braun.	5 (NM)*			
<i>syringella</i> F.	14		3-Larvae, pupae, frass	Damage (C)
<i>Lithocolletis</i>				
sp.	1*		8-Larvae	Pupae (BW) (C)
<i>acericella</i> Clem.			6-Larvae	
<i>hamadryadella</i> Clem.			2-Larvae	
<i>lucidicostella</i> Clem.	1*			
<i>malimalifoliella</i> Braun	1*			
prob. <i>restrictella</i> Braun	1*			
<i>salicifoliella</i> Cham.	7*			
<i>Marmara fasciella</i> Cham.	1*		4-Larvae	Pupae, damage (BW) (C)
<i>Phyllocnistis populiella</i> Cham.	7		11-Larvae, pupae	Larvae, pupae damage (C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
HELIODINIDAE				
<i>Schreckensteinia festaliella</i> Hbn.	2*			
HEPIALIDAE				
<i>Hepialus gracilis</i> Grt.	3 (NM)	1	1-Larvae	
<i>mustelinus</i> Pack.	10*			
<i>Sthenopis argenteomaculatus</i> Harr.	3*			
<i>quadriguttatus</i> Grt.	3			
<i>purpurascens</i> Pack.	2			
HESPERIIDAE				
<i>Ancyloxypha numitor</i> Fabr.	1 (NM)			
<i>Atalopedes campestris</i> Bdv.	1 (NM)			
<i>Atrytone ruricola</i> metacomet Harr.	1*			
<i>Epargyreus tityrus</i> Fabr.	1 (NM)			
<i>Erynnis icelus</i> Scud. & Burg.	2*			
<i>juvenalis</i> Fabr.	1*	—		
<i>Ochlodes sylvanoides</i> Bdv.	2 (NM)			
<i>Poanes hobomok</i> Harr.	5*			
<i>Polites mystic</i> Scud.	8*			
<i>themistocles</i> Latr.	8*			
<i>Thorybes pylades</i> Scud.	2*	—		
INCURVARIIDAE				
<i>Paraclemensia acerifoliella</i> Fitch	7 (NM)*			
LASIOCAMPIDAE				
<u><i>Epicnaptera americana</i></u> Harr.	8*	2*		Larvae (BW), (C)
<i>Malacosoma americanum</i> F.	21	21	3-Larvae, frass	Larvae, pupae (BW) (C) Eggs, adults, damage (C)
<i>disstria</i> Hbn.	68	13	7-Eggs, larvae, pupae, frass	Larvae, pupae (BW) (C) Eggs, adults, damage (C)
<i>pluviale</i> Dyar	2 (NM)	1 (NM)		

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
LASIOCAMPIDAE (cont'd)				
Tolype				
laricis Fitch	10*	6	3-Larvae,	Larvae (BW)(C)
velleda Stoll.	2		frass	
LIMACODIDAE				
Lithacodes fasciola H.-S.	3*			
Tortricidia				
sp.	1*			
flexuosa Grt.	59*			
testacea Pack.	7*			
LYCAENIDAE				
Brephidium exilis Bdv.	1 (NM)*			
[Callophrys] Incisalia				
lanoraieensis Shep.	5*	3		
niphon clarki Free.	3*		1-Frass	
Celastrina pseudargiolus				
Bdv. & Lec.	3			
Everes comyntas Godt.	1 (NM)*			
Feniseca				
tarquinius Fabr.	2*	1*	—	
tarquinius nova-scotiae McD.	1*		—	
Glaucopsyche lygdamus Dbldy.	7			
Lycaeides argyrognomon empetri				
Freeman	2*			
Lycaena				
epixanthe phaedra Hall	2*			
helloides Bdv.	1*			
phlaeas americana Harr.	2*			
Lycaenopsis				
argiolus lucia Kby.	3*			
pseudargiolus Bdv. & Lec.	3*			
Strymon				
acadica Edw.	1 (NM)*			
edwardsii Saund.	1 (NM)*			
LYMANTRIIDAE				
Euproctis chrysorrhoea Linn.	3			
Nygmia phaeorrhoea Don.	18*			
Orgyia				
antiqua L.	13*	11*	5-Larvae,	Larvae, pupae
			frass	(BW) (C)
leucostigma J. E. Smith	13	3	4-Larvae,	Larvae (BW)(C)
			frass	

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
LYMANTRIIDAE (cont'd)				
<i>Parorgyia plagiata</i> Wlk.	5	3	6-Eggs, larvae, pupae, frass	Eggs, larvae (BW) (C)
<i>vagans</i> B. & McD.	1 (NM)			
<i>Porthetria dispar</i> L.	8 (NM)			
<i>Stilpnotia salicis</i> L.	48	10	19-Eggs, larvae, pupae, frass	Larvae, pupae, damage (C)
LYONETIIDAE				
<i>Bucculatrix</i> sp. <i>canadensisella</i> Chamb.	2 (NM)* 87*		5-Larvae	Pupae (BW)(C)
NEPTICULIDAE				
<i>Nepticula</i> sp.	1*			
NOCTUIDAE				
<i>Abagrotis alternata</i> Grt.	9*			
<i>Abrostola urentis</i> Gn.	8*			
<i>Achatodes zeae</i> Harr.	7*			
<i>Acontia</i> sp. (prob. <i>uprita</i>)	1 (NM)*			
<i>Acronicta</i> sp.	7*	2		Larvae, pupae (BW) (C)
<i>americana</i> Harr.	9*	2*	3-Larvae, frass	Larvae (BW)(C)
<i>clarescens</i> Guen.	5			
<i>dactylina</i> Grt.	20*	5*	2-Larvae, frass	Larvae (BW)(C)
<i>distans</i> Grt.	1 (NM)*			
<i>fragilis</i> Guen.	15*	1*		
<i>funeralis</i> G. & R.	5*	1*		
<i>furcifera</i> Gn.	6*			
<i>grisea</i> Wlk.	18*	5*	2-Larvae, frass	
<i>haesitata</i> Grt.	1*			
<i>impleta</i> Wlk.	6*			
<i>impressa</i> Wlk.	10*	2*		
<i>inclara</i> Sm.	5*			
<i>innotata</i> Gn.	21*	2*		
<i>interrupta</i> Gn.	3*	1*	1-Frass	
<i>laetifica</i> Sm.	16*			
<i>lanceolaria</i> Grt.	2*			
<i>leporina</i> L.	2	2	1-Larvae	

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
leporina vulpina Grt.	4*			
lepusculina Gn.	2*	2*	2-Larvae, frass	
lobeliae Gn.	4*	2*		
longa Gn.	3*			
morula G. & R.	12*	1*		
noctivaga Grt.	7*			
oblinita J.E. Smith	12*	2*	1-Larvae	
radcliffei Harv.	2*	1 (NM)*		
retardata Wlk.	7*	2*		
sperata Grt.	10*	1		
superans Gn.	10*			
tritona Hbn.	4*			
vinnula Grt.	4			
Actebia fennica Tausch.	25*	3	1-Frass	
Adita chionanthi J.E. Smith	5*			
Agriopodes Fallax H.S.	15			
<u>Agroperina</u>				
cogitata Sm.	23*			
dubitans Wlk.	12*			
helva Grt.	3			
inficita Wlk.	11*			
lateritia Hufn.	8*			
<u>Agrotis</u>				
mollis Wlk.	7*			
orthogonia Morr.	5 (NM)			
venerabilis Wlk.	23*			
volubilis Harv.	16*			
ypsilon Rott.	25*			
Alabama argillacea Hbn.	9*			
Aletia oxygala luteopallens Sm.	32*			
<u>Amathes</u>				
bicarnea Gn.	15*			
collaris G. & R.	20*			
c-nigrum L.	25*			
normaniana Grt.	15*			
oblata Morr.	16*			
opacifrons Grt.	3*			
smithi Snell.	34*			
tenuicula Morr.	14*			
Amolita fessa Grt.	3*			
<u>Amphipoea</u>				
americana Spey.	33*			
velata Wlk.	14*			
<u>Amphipyra</u>				
pyramidoides Gn.	17*			
tragopoginis L.	9*			
Amyna octo Gn.	1			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
Anagrapha falcifera Kby.	14*			
Anaplectoides				
prasina Schiff.	21*			
pressus Grt.	36*			
Anathix puta G. & R.	14*			
Andropolia contacta Wlk.	7			
Anomis erosa Hbn.	1*			
Anomogyna				
sp.				Eggs, larvae, pupae (BW) (C)
dilucida Morr.	13*			
elimata Guen.	19*	12*	6-Larvae, frass	Larvae, pupae (EW) (C)
imperita Hbn.	7*			
perquiritata Morr.	10*	6*	4-Larvae, frass	
youngi Sm.	8*			
Anticarsia gemmatilis Hbn.	8*			
Anytus privata Wlk.	17			
<u>Apamea</u>				
alia Gn.	22*			
amputatrix Fitch	17*			
apamiformis Gn.	3*			
commoda Wlk.	5*			
finitima Gn.	20*			
impulsa Gn.	18*			
indocilis Wlk.	10*			
indocilis form separans Grt.	4			
inordinata Morr.	4*			
lignicolora Gn.	29*			
mixta Grt.	2*			
nigrior Sm.	2*			
verbascoides Gn.	17*			
vultuosa Grt.	5*			
Apharetra dentata Grt.	15*			
Aplectoides condita Gn.	15*			
Archanara				
oblonga Grt.	8*			
subflava Grt.	4*			
Arzama obliqua Wlk.	6*			
<u>Autographa</u>				
sp.			1-Frass	
<u>ampla</u> Wlk.	11	1		
<u>biloba</u> Steph.	13*			
<u>bimaculata</u> Steph.	23*			
<u>flagellum</u> Wlk.	11			
<u>mappa</u> G. & R.	15			
<u>precationis</u> Gn.	24*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
pseudogamma Grt.	10			
rubida Ottol.	10			
Balsa				
labecula Grt.	1*			
malana Fitch	8*			
tristrigella Wlk.	2*			
Bleptina caradrinalis Gn.	3*			
Bombycia algens Grt.	15*			
Bomolocha				
abalienalis Wlk.	3*	1*		Larvae (BW) (C)
atomaria Sm.	1*			
baltimoralis Gn.	8*			
bijugalis Wlk.	2*			
palparia Wlk.	1*			
Caenurgina				
crassiuscula Haw.	29*			
erechtea Cram.	4 (NM)*			
Calpe canadensis Beth.	5*			
Capis curvata Grt.	5*			
<u>Catocala</u>				
sp.	1	1*	1-Larvae	
antinympa Hbn.	10*			
blandula Hlst.	4*			
briseis Edw.	10*			
coccinata Grt.	1*			
coelebs Grt.	5*			
crataegi Saund.	10*			
concumbens Wlk.	16*			
fratercula form jaguenetta Hy. Edw.	1			
grynea Cram.	2*			
hermia Hy. Edw.	1			
ilia Cram.	2*			
parta Gn.	14*			
praeclara G. & R.	1*			
relicta Wlk.	7*	3		
relicta form clara Beut.	8*			
relicta form phrynia Hy. Edw.	2*			
semirelicta Grt.	1*			
sordida Grt.	7*			
ultronia Hbn.	11*			
unijuga Wlk.	11*			
unijuga form agatha Beut.	1*			
Ceramica picta Harr.	9*	1		
Cerna cora Hbn.	3*			
Charada deridens Gn.	13*		2-Larvae, frass	
Chersotis juncta Grt.	3*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>Chrysanympa formosa</i> Grt.	5*			
<i>Chrysoaspidia</i>				
<i>putnami</i> Grt.	25*			
<i>venusta</i> Wlk.	13*			
<i>Chytolita petrealis</i> Grt.	8*			
<i>Chytonix palliatricula</i> Gn.	4*			
<i>Colocasia propinquilinea</i> Grt.	5*	3*		
<i>Cosmia</i>				
<i>calamia</i> Harv.	4*			
<i>canescens</i> form <i>calamia</i> Harv.	7*			
<i>Crino</i>				
<i>ducta</i> Grt.	7*			
<i>miniota</i> Sm.	6*			
<i>Crocigrapha normani</i> Grt.	43*	5*	2-Larvae	Larvae (BW) (C)
<i>Crymodes devastator</i> Brace	34*			
<i>Cryptocala acadensis</i> Beth.	20*			
<i>Cucullia</i>				
<i>asteroides</i> Gn.	1			
<i>convexipennis</i> G. & R.	8*			
<i>florea</i> Gn.	2*			
<i>intermedia</i> Speyer	23*			
<i>postera</i> Gn.	9*			
<i>Diarsia</i>				
<i>cynica</i> Sm.	16*			
<i>jucunda</i> Wlk.	15*			
<i>pseudorosaria</i> race <i>freemani</i> Hdwk.	2*			
<i>Dipterygia scabriuscula</i> L.	1*			
<i>Doryodes bistrialis grandipennis</i> B. & McD.	5*			
<i>Elaphria</i>				
<i>festivoides</i> Gn.	9*			
<i>versicolor</i> Grt.	15*	15	3-Larvae	Larvae (BW) (C)
<i>Energia</i>				
<i>decolor</i> Wlk.	11*			
<i>infumata</i> Grt.	4*			
<i>Eosphropteryx thyatyroides</i> Gn.	9*			
<i>Epiglaea apiata</i> Grt.	13*			
<i>Epizeuxis</i>				
sp.	14*			
<i>aemula</i> Hbn.	33*	4*	2-Larvae, frass	
<i>americanalis</i> Gn.	21*			
<i>julia</i> B. & McD.	1*			
<i>lubricalis</i> Geyer	6*			
<i>rotundalis</i> Wlk.	1*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>Erastria</i>				
<i>albidula</i> Gn.	9*			
<i>bellicula</i> Hbn.	4*			
<i>carneola</i> Gn.	10*			
<i>concinniacula</i> Gn.	6*			
<i>muscosa</i> Gn.	4*			
<i>synochitis</i> G. & R.	21*			
<i>Eremobina</i>				
<i>claudens</i> Wlk.	2*			
<i>jocasta</i> Sm.	1*			
<i>Euagrotis forbesi</i> Franclemont.	17*			
<i>Eucirrhoedia pampina</i> Gn.	12*			
<i>Euclidina Cuspidea</i> Hbn.	6*			
<i>Eueretagrotis</i>				
<i>attenta</i> Grt.	8*			
<i>perattenta</i> Grt.	19*			
<i>Euherrichia monetifera</i> Gn.	17*			
<i>Euplexia benesimilis</i> McD.	14*			
<u><i>Eupsilia</i></u>				
sp.		2*		
<i>devia</i> Grt.	5*			
<i>morrisoni</i> Grt.	4*			
<i>tristigmata</i> Grt.	4*			
<i>vinulenta</i> Grt.	6*			
<i>Eurois</i>				
<i>astriata</i> Morr.	27*			
<i>occulta</i> Linn.	17*			
<i>Euthisonatia unio</i> Hbn.	1 (NM)*			
<i>Euxoa</i>				
sp.	19*			
<i>declarata</i> Wlk.	13*			
<i>declarata decolor</i> Morr.	8*			
<i>detersa</i> Wlk.	2 (NM)*			
<i>divergens</i> Wlk.	45*			
<i>flavicollis</i> Sm.	1 (NM)			
<i>messoria</i> Harr.	8*			
<i>messoria form atrifera</i> Grt.	2*			
<i>mimallonis</i> Grt.	16*			
<i>ochrogaster</i> Gn.	16*			
<i>ontario vestitura</i> Sm.	20			
<i>perpolita</i> Morr.	19*			
<i>redimicula</i> Morr.	5*			
<i>scandens</i> Riley	5*			
<i>scholastica</i> McD.	1*			
<i>servita novangliae</i> McD.	17*			
<i>tessellata</i> Harr.	31*			
<i>tristicula</i> Morr.	42*			
<i>velleripennis</i> Grt.	11*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
Faronta diffusa Wlk.	1*			
Feltia				
sp.	1			
annexa Treit.	2*			
ducens Wlk.	17*			
geniculata G. & R.	6*			
herilis Grt.	13*			
subgothica Haw.	1*			
<u>Feralia</u>				
comstocki Grt.	11*			
<u>jocosa Gn.</u>	15*	19*	5-Larvae, pupae, frass	Larvae, pupae (BW) (C)
major Sm.	*8			
Fishia enthea Grt.	5*			
Galgula partita Gn.	5*			
Haplodophus mollissima Gn.	7*			
Harpaglaea sericea Morr.	5*			
Harrisimemna trisignata Wlk.	6*			
Heliothis				
obsoleta Fabr.	2	1		
zea Boddie	9*			
Helotropha reniformis Grt.	21*			
Hemipachnobia monochromatea Morr.	2*			
Heptagrotis phyllophora Grt.	20*			
Hillia iris Zett.	8*			
<u>Homoglaea</u>				
carbonaria Harv.	1 (NM)*			
<u>hircina Morr.</u>	12*			
Homohadena infixa Wlk.	2*			
Hormisa				
absorptalis Wlk.	9*			
orciferalis Wlk.	6*			
Hydroecia micacea Esp.	21*			
Hypena huwuli Harr.	3*			
Hypenodes fractilinea Sm.	1*			
Hypocala andremona Cram.	1*			
Hypocoena defecta Grt.	6*			
inquinata Gn.	8*			
orphnina Dyar	6*			
Hypna xylinoides Gn.	17*	2*	1-Larvae	"
Ipimorpha pleonectusa Grt.	18	6	5-Larvae, frass	Pupae (BW) (C)
Lacinipolia				
anguina Grt.	8*			
lorea Gn.	30*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>lustralis</i> Grt.	13*			
<i>meditata</i> Grt.	10*			
<i>olivacea</i> Morr.	26*			
<i>renigera</i> Steph.	17*			
<i>Laphygma frugiperda</i> J. E. Smith	7 (NM)*			
<u>Leucania</u>				
<i>albilinea</i> Hbn.	3*			
<i>comnoides</i> Gn.	13*			
<i>inermis</i> Forbes	10*			
<i>insueta</i> Gn.	31*			
<i>multilinea</i> Wlk.	11*			
<i>pseudargyria</i> Gn.	3*			
<i>unipuncta</i> Haw.	43*	1		Larvae (BW) (C)
<u>Leuconycta</u>				
<i>diphtheroides</i> Gn.	16*			
<i>lepidula</i> Grt.	11*			
<i>Litholomia napea</i> Mor.	16*			
<i>Lithomia solidagnis</i> <i>germana</i> Morr.	9*			
<u>Lithophane</u>				
sp.		11*		Larvae (BW) (C)
<i>ananda</i> Sm.	10*			
<i>antennata</i> Wlk.			1-Larvae	
<i>baileyi</i> Grt.	2*			
<i>bethunei</i> G. & R.	15*			Pupae (BW) (C)
<i>cinerosa</i> Grt.	6*			
<i>disposita</i> Morr.	12*			
<i>fagina</i> Morr.	13*	1*		
<i>ferrealis</i> Grt.	1*			
<i>georgii</i> Grt.	16*			
<i>hemina</i> form <i>lignicosta</i> Franc.	2			
<i>innominata</i> Sm.	5*	1*		
<i>laticinerea</i> Grt.	4*			
<i>pexata</i> Grt.	10*			
<i>querquera</i> Grt.	1			
<i>tepida</i> Grt.	11*			
<i>thaxteri</i> Grt.	12*	2*		
<i>unimoda</i> Lint.	11*			
<i>Lomanaltes eductalis</i> Wlk.	6*			
<u>Luperina</u>				
<i>passer</i> Gn.	1*			
<i>stipata</i> Morr.	18*			
<i>Macronoctua onusta</i> Grt.	8*			
<i>Magusa orbifera</i> Wlk.	11*			
<i>Mamestra curialis</i> Sm.	4*			
<i>Matigramma pulverilinea</i> Grt.	1 (NM)*			
<i>Metalectra quadrisignata</i> Wlk.	8*			
<i>Metalepsis fishi</i> Grt.	3*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<u>Metalepsis salicarum</u> Wlk.	16*			
<u>Metaxaglaea inulta</u> Grt.	8*			
<u>Morrisonia</u>				
<u>evicta</u> Grt.	23*			
evicta form vomerina Grt.	8*			
<u>Mycterophora inexplicata</u> Wlk.	7*			
<u>Nedra ramosula</u> Gn.	10*			
<u>Neocerastria apicosa</u> Haw.	7*			
<u>Nephelodes</u>				
emmedonia Cram.	35*			
emmedonia tertialis Sm.	6 (NM)			
<u>Ochropleura plecta</u> L.	15*			
<u>Oligia</u>				
sp.	10*			
bridghami G. & R.	13*			
diversicolor Morr.	10*			
illocata Wlk.	12*			
mactata Gn.	3*			
minuscule Morr.	1*			
modica Gn.	2*			
<u>Oncocnemis piffardi</u> Wlk.	14*			
<u>Orthodes</u>				
crenulata Butl.	10*			
cynica Gn.	26*			
furfurata Grt.	5*			
<u>Orthosia</u>				
sp.	1	2*		Larvae (BW)(C)
<u>hibisci</u> Gn.	18*	3*	1-Larvae	Larvae, pupae (BW) (C)
<u>revicta</u> Morr.	30*	10*	3-Larvae, frass	
<u>rubescens</u> Wlk.	2*			
<u>Palthis angulalis</u> Hbn.	21*	5	5-Larvae, frass	Larvae (BW)(C)
<u>Pangrapta decoralis</u> Hbn.	13*			
<u>Panthea</u>				
sp.				Larvae (BW)(C)
acronyctoides Wlk.	5	6*	3-Larvae, frass	Larvae (BW)(C)
<u>furcilla</u> Pack.	1	2	2-Larvae, frass	
pallescens McD.	1			
<u>Papaipema</u>				
cataphracta Grt.	3*			
eupatorii Lyman	6*			
frigida thalictri Lyman	16*			
impecuniosa Grt.	12*			
inquaesita G. & R.	11*			
marginidens Gn.	7*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vails preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
nebris Gn.	1 (NM)			
rigida Grt.	6*			
pterisii Bird	12*			
Paradiarsia littoralis Pack.	13*			
Parallelia bistriaris Hbn.	17*			
Parastichtis discivaria Wlk.	4*			
Peridroma				
margaritosa Haw.	31*			
margaritosa form saucia Hbn.	2*			
Phalaenophana pyramusalis Wlk.	9*			
Phalaenostola larentioides Grt.	1*			
Philometra				
eumelusalis Wlk.	4*			
hanhami Sm.	4*			
metonalis Wlk.	9*			
Phlogophora				
iris Gn.	33			
periculosa Gn.	12			
periculosa form v-brunneum Grt.	16			
Plathypena scabra Fabr.	11*			
Platyperigea multifera Wlk.	6*			
Plusia				
aereoides Grt.	20*			
balluca Geyer	13*			
Plusiadonta compressipalpis Gn.	1*			
Polia				
sp.		11*		Pupae (BW) (C)
adjuncta Bdv.	24*			
assimilis Morr.	34*	2*		
atlantica Grt.	22*			
cristifera Wlk.	3*			
detracta Wlk.	16*			
frustrata McD.	12 (NM)*			
grandis Bdv.	13*			
imbrifera Gn.	18*			
ingravis Sm.	31*	9*	1-Larvae	Larvae (C)
latex Gn.	12*			
legitima Grt.	32*	1*	1-Larvae (NM)	
lilacina Harv.	37*			
lutra Gn.	17*			
nevadae canadensis Sm.	3*			
nimbosea Gn.	4*			
pulverulenta Sm.	13 (NM)*		1-Larvae (NM)	
purpurissata Grt.	14*			
radix Wlk.	25*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>rugosa</i> Morr.	4*			
<i>subjuncta</i> G. & R.	5*			
<i>tacoma</i> Stkr.	13*			
<i>Prodenia ornithogalli</i> Gn.	9*			
<i>Protagrotis</i>				
<i>extensa</i> Sm.	1*			
<i>niveivenosa</i> Grt.	8*			
<i>Protolampra</i>				
<i>brunneicollis</i> Grt.	13*			
<i>rufipectus</i> Morr.	16*			
<i>Protoleucania</i>				
<i>albilinea</i> Hbn.	20			
<i>albilinea diffusa</i> Wlk.	5*			
<i>Protorthodes oviduca</i> Gn.	13*			
<i>Proxenus miranda</i> Grt.	9*			
<i>Pseudeva purpurigera</i> Wlk.	13*			
<i>Pseudoplusia</i> oo Cram.	6*			
<i>Pseudorthodes vecors</i> Gn.	7*			
<i>Pseudospaelotis haruspica</i> Grt.	24*			
<i>Pyrrhia exprimens</i> Wlk.	15*			
<i>Raphia</i>				
<i>abrupta</i> Grt.	1 (NM)*			
<i>frater</i> Grt.	16*			
<i>Kenia</i>				
<i>flavipunctalis</i> Geyer	2*			
<i>sobrialis</i> Wlk.	4*			
<i>Rhodophora florida</i> Gn.	20*			
<i>Rhynchagrotis</i>				
<i>cupida</i> Grt.	12*			
<i>cupida</i> form <i>brunneipennis</i> Grt.	12*			
<i>Rivula propinqualis</i> Gn.	14*			
<i>Rusina bicolorago</i> Gn.	27*			
<i>Scoliopteryx libatrix</i> Linn.	14*	2*		
<i>Scotogramma trifolii albifusa</i> Wlk.	18*			
<i>Sideridis</i>				
<i>congermana</i> Morr.	6*			
<i>maryx</i> Gn.	9*			
<i>rosea</i> Harv.	11*			
<i>Simyra henrici</i> Grt.	9*			
<i>Spaelotis clandestina</i> Harr.	11*	1*		Pupae (BW) (C)
<i>Spargaloma sexpunctata</i> Grt.	2*	1		
<i>Spartiniphaga</i>				
<i>inops</i> Grt.	8*			
<i>panatela</i> Sm.	1*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>Synedoida</i>				
<i>adumbrata alleni</i> Grt.	2*			
<i>grandirena</i> Haw.	1*			
<u><i>Syngrapha</i></u>				
sp.		6*		Larvae (BW)(C)
<i>alias</i> Ottol.	38*	5	5-Larvae frass	Larvae damage (C)
<i>altera variana</i> Ottol.	5*			
<i>epigaea</i> Grt.	14*			
<i>interrogationis</i> Linn.	3*			
<i>microgamma</i> Hbn.	10*			
<i>microgamma montana</i> Pack.	2*			
<i>octoscripta</i> Grt.	22*			
<i>rectangula</i> Kby.	39*	4	2-Larvae frass	Larvae (BW)(C)
<i>selecta</i> Wlk.	24*	1	1-Frass	
<i>surena</i> Grt.	1*			
<i>Tarachidia</i>				
<i>candefacta</i> Hbn.	1 (NM)*			
<i>semiflava</i> Gn.	1 (NM)*			
<i>Trachea delicata</i> Grt.	1*			
<i>Tricholita</i>				
<i>signata</i> Wlk.	16*			
<i>signata form igna</i> B. & B.	9*			
<i>Trichoplusia ni brassicae</i> Riley	2			
<i>Ufeus satyricus</i> Grt.	6*			
<i>Xanthia lutea</i> Strom.	11*			
<u><i>Xylena</i></u>				
<i>cineritia</i> Grt.	8*			
<i>curvimacula</i> Morr.	13*			
<i>nupera</i> Lint.	10*			
<i>thoracica</i> Put.-Cram.	3*			
<u><i>Xylomges dolosa</i></u> Grt.	17*	4*		
<i>Xylotype acadia</i> B. & B.	5			
<u><i>Zale</i></u>				
sp.		6*		Larvae, pupae (BW) (C)
<i>aeruginosa</i> Gn.	8*			
<i>cingulifera</i> Wlk.	1*			
<i>duplicata</i> Beth.	5*			
<i>duplicata largera</i> Sm.	3*			
<i>horrida</i> Hbn.	6*			
<i>lunata</i> Dru.	5*			
<i>minerea</i> Gn.	10*			
<i>minerea norda</i> Sm.	4*			
<i>undularis</i> Dru.	3			
<i>Zanclognatha</i>				
sp.	5	2*		
<i>cruralis</i> Gn.	3*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOCTUIDAE (cont'd)				
<i>jacchusalis</i> Wlk.	41*			
<i>minoralis</i> Sm.		5*		Larvae (BW) (C)
<i>ochreipennis</i> Grt.	1*			
<i>pedipilalis</i> Gn.	2*			
<i>protumnusalis</i> Wlk.	18*	1*		
<i>theralis</i> Wlk.	4 (NM)*			
NOLIDAE				
<i>Celama cilicoides</i> Grt.	3*			
NCTODONTIDAE				
<i>Cerura</i>				
<i>cinerea</i> Wlk.	1			
<i>modesta</i> Hud.	1			Larvae, pupae (C)
<i>occidentalis</i> Lint.	3*			
<i>scolopendrina</i> Bdv.	2			
<i>Dasylophia thyatiroides</i> Wlk.	3*			
<i>Datana</i>				
<i>drexeli</i> Hy. Edw.	7 (NM)*			
<i>integerrima</i> G. & R.		1*		
<i>ministra</i> Dru.	19*	3	6-Larvae, frass 1-Frass	Larvae (BW) (C)
<i>Fentonia marthesia</i> Cram.	5*			
<u><i>Gluphisia</i></u>				
<i>avimacula</i> Hud.				Larvae, pupae (C)
<i>lintneri</i> Grt.	9			Eggs, larvae (C)
<i>septentrionalis</i> Wlk.	14*			Eggs, larvae, pupae, (C)
<i>Heterocampa</i>				
sp.		1*		
<i>bilineata</i> Pack.	4*	1*		
<i>biundata</i> Wlk.	11*	2		Eggs, larvae (C)
<i>guttivitta</i> Wlk.	17*	3*	3-Larvae, frass	
<i>manteo</i> Dbldy.	5 (NM)*	1*	2-Frass	
<i>umbrata</i> Wlk.	1			
<i>umbrata pulvera</i> G. & R.	2*			
<i>Hyperaeschra georgica</i> H.-S.	7*			
<u><i>Ichthyura</i></u>				
sp.		2 (NM)*		
<i>albosigma</i> Fitch	21*	1*		
<i>apicalis</i> Wlk.	19*			Eggs, larvae, pupae (BW) (C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NOTODONTIDAE (cont'd)				
<i>inclusa</i> Hbn.	1 (NM)*			
<i>strigosa</i> Grt.	7*			
<u>Lophodonta</u>				
<i>angulosa</i> J.E. Smith	6*			
<i>ferruginea</i> Pack.	32*			
<u><i>Nadata gibbosa</i></u> J.E. Smith	16*	4*	5-Larvae, frass	Larvae (C)
<u><i>Nerice bidentata</i></u> Wlk.	6*			
<u>Notodonta</u>				
<i>basitriens</i> Wlk.	13*			
<i>simplaria</i> Graef.	6*			
<i>stragula</i> Grt.	12*	1		
<u><i>Odontosia elegans</i></u> Stkr.	8*			
<i>Oligocentria lignicolor</i> Wlk.	6*			
<u><i>Pheosia rimosa</i></u> Pack.	18*	5*	1-Frass	Eggs, larvae, pupae, (BW) (C)
<u>Schizura</u>				
<i>apicalis</i> G. & R.	1*			
<i>badia</i> Pack.	12*			
<i>concinna</i> J.E. Smith	13*	5	7-Larvae, frass	Eggs, larvae, pupae (C)
<i>ipomoeae</i> Dbldv.	21*	3*	2-Larvae, frass	
<i>leptinoides</i> Grt.	1*			
<i>semirufescens</i> Wlk.	12*			
<i>unicornis</i> J.E. Smith	13*	3		
<u>Symmerista</u>				
<i>albifrons</i> J.E. Smith	3*	1	3-Larvae, frass	
<i>canicosta</i> Francl.	6*			
<i>leucitys</i> Francl.	23*			
NYCTEOLIDAE				
<u>Baileya</u>				
<i>dormitans</i> Gn.	6			
<i>doubledayi</i> Gn.	5			
<i>ophthalmica</i> Gn.	1			
<u>Nycteola</u>				
sp.	15			
<i>cinereana</i> N. & D.	6 (NM)*			
<i>frigidana</i> Wlk.	3*	1		
NYMPHALIDAE				
<u>Argynnis</u>				
<i>aphrodite</i> Fabr.	2			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
NYMPHALIDAE (cont'd)				
aphrodite winni Gund.	2*			
atlantis Edw.	14*			
cybele Fabr.	4			
cybele novascotiae McD.	2*			
idalia Dru.	2 (NM)			
leto Behr.	1 (NM)			
Boloria				
sp.	2 (NM)			
[bellona Fabr.] toddi Holl.	4			
epithore Edw.	1 (NM)			
selene Schiff.	5			
selene atrocotalis Huard.	3*			
Dione vanillae L.	10 (NM)			
Euphydryas				
phaeton Dru.	7	7		
phaeton borealis Cherm.	4*		2-Larvae, pupae	Larvae, pupae (BW) (C)
Euptoieta claudia Gram.	3 (NM)			
Heliconius charithonia L.	2 (NM)			
Limenitis				
archippus Gram.	8	2*		Larvae, pupae (BW) (C)
arthemis Dru.	3*			
Melitaea harrisii Scud.	2			
Nymphalis				
antiopa L.	33*	12	8-Eggs, larvae, pupae, frass	Larvae, pupae (BW) (C)
j-album Bdv. & Lec.	6*			
milberti Godt.	9*		1-Larvae	
Phyciodes				
campestris Behr.	1 (NM)			
tharos Dru.	7			
tharos arctica dos P.	7*			
Polygonia				
sp.			1-Frass	Larvae (BW)(C)
comma Harr.	3	3		
faunus Edw.	6 (NM)*	1*		Larvae, pupae (BW) (C)
interrogationis Fabr.	5*			
interrogationis form fabricii Edw.	2*			
progne Gram.	1*			
Vanessa				
atalanta Linn.	1			
cardui Linn.	12*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CECOPHORIDAE				
Agonopterix				
sp.	4 (NM)*	1 (NM)		
argillacea Wlshm.	2 (NM)*			
flavicomella Engel.	1 (NM)*			
grotella Rob.	3			
pallidella Busck.	1*			
pulvipennella Clem.	3*			
robinella Pack.	12*			
rosaciliella Busck	1*			
walsinghamiella Busck	6*			
Bibarrambla allenella Wlshm.	5*			
Depressaria				
sp.	1*			
alienella Busck	3*			
betulella Busck	34*	5	1-Larvae	
groteella Rob.	8*		2-Larvae	
heracliana Linn.	53*	4	1-Larvae	Larvae, pupae (BW) (C)
Machimia tentoriferella Clem.	7*			
Psilocorsis				
sp.	20*			Larvae, pupae (BW) (C)
faginella Cham.	17*	7		
fletcherella Gibs.	4*			
quercicella Clem.		3	3-Larvae	
Schiffermulleria				
argenticinctella Clem.	1			
Semioscopis				
aurorella Dyar	2*			
inornata Wlshm.	6*			
megamicrella Dyar	2*			
OLETHREUTIDAE				
Anchylopera				
angulifasciana Zell.	2*			
burgessiana Zell.	1*			
discigerana Wlk.	3*			
dubiana Clem.	1*			
galematana McD.	1*			
laciniana Zell.	1*			
nuberculana Clem.	7*			
Ancyliis				
diminutana Haw.	1*			
mediofasciana Clem.	7*			
tineana Hbn.	1*			
Aphania				
sp.	1*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
OLETHREUTIDAE (cont'd)				
albeolana Zell.	8*			
capreana Hbn.	6 (NM)*			
dextrana McD.	24*			
salicaceana Free.	1*			
youngana McD.	34*			
Badebecia urticana Hbn.	24*			
Barbara mappana Free.	4*			
Carpocapsa saltitans Westwood	1*			
Dichrorampha sp.	1			
Epiblema				
carolinana Wlshm.	1*			
illotana Wlshm.	2*			
scudderiana Clem.	2*			
Epinotia				
sp.	4*			
aceriella Clem.	23*			
cruciana Linn.	23*			
lindana Fern.	8*		1-Larvae	
medioplagata Wlshm.	2*		1-Larvae	
nisella Clerck	4*			
nisella criddleana Kft.	1*			
rectiplicana Wlshm.	7 (NM)*			
septemberana Kft.	2 (NM)*			
similana Hbn.	3*			
solandriana Linn.	32*	3 (NM)	1-Larvae	
solicitana Wlk.	6*			
transmissana Wlk.	16*			
Episimus argutanus Clem.	2	1*	1-Larvae	
Eucosoma				
cataclystiana Wlk.	1*			
derelecta Heinr.	7*			
dorsisignatana Clem.	4*			
dorsisignatana simulana Clem.	17*			
tocullionana Heinr.	3*			
Evora hemidesma Zell.	4*			
Exartema				
sp.	1*			
appendiceum Zell.	1*			
electrofusum Heinr.	4*			
permundanum Clem.	1*			
quadrifidum Zell.	2*			
trepidulum Heinr.	5*			
valdanum McD.	1*			
zellerianum Fern.	10*			
Gretchena sp.	1*			
Griselda radicana Wlshm.	17*	2	5-Larvae, pupae, frass	Larvae, pupae, (C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
OLETHREUTIDAE (cont'd)				
Gypsonoma				
bipartana Clem.	1*			
fasciolana Clem.	10*			
substitutionis Heinr.	1*			
Hedia				
chionosema Zell.	2*			
ochroleucana Hbn.	36*			
separatana Kft.	2*			
variegana Hbn.	4*			
Laspeyresia				
sp.	1*			
youngana Kft.	6*		1-Larvae	
Olethreutes				
bipartitana Clem.	2*			
cespitana Hbn.	8*			
coruscana mutinana Pack.	2*			
glaciana Moesch.	1*			
trinitana McD.	5*			
Petrova				
sp.	2			Larvae (C)
albicapitana Busck	39*		13-Larvae	Pupae, damage (C)
burkeana Kft.	10*			
comstockiana Fern.	1		2-Larvae	
Polychrosis sp. poss.				
piceana Free.	14*			
Proteoteras				
aesculana Riley	3*			
moffatiana Fern.	4*			
willingana Kft.	6*			
Pseudexentera				
sp.			3-Larvae, frass	
cressoniana Clem.	4*		5-Larvae	
Rhyacionia buoliana Schiff.	102*		4-Larvae, pupae	Larvae, pupae damage (C)
Sciaphila				
duplex Wlshm.	58*		7-Larvae, pupae, frass	Larvae, pupae (BW) (C)
duplex thallasana McD.	3*			
Spilonota				
sp.	1*			
lariciana Hbn.	1*			
ocellana D. & S.	10*		2-Larvae	
Taniva albolineana Kft.	13*	2	2-Larvae	

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
OLETHREUTIDAE (cont'd)				
Thiodia				
alterana Heinr.	30*			
formosana Clem.	1*			
ochroterminana Kft.	5*			
olivaceana Riley	2*			
radiatana Wlshm.	1*			
Zeiraphera				
sp.				Pupae (BW) (C)
n. sp.	109*	2	4-Larvae, pupae, frass	
diniana Gn.	31*		2-Larvae	Pupae (BW) (C)
fortunana Kft.	8*	2*		Larvae, pupae (BW) (C)
ratzeburgiana Kft.	136*	2	5-Eggs, larvae, pupae	Larvae, pupae (BW) (C) adults damage (C)
PAPILIONIDAE				
<u>Papilio</u>				
ajax Linn.	8*	1		
<u>glaucus canadensis</u> R. & J.	20*	2	6-Larvae, pupae, frass	Pupae (BW) (C)
polyxenes asterius Stoll.	1*			
Parnassius smintheus Dbldy. & Hew.	4 (NM)			
PIERIDAE				
<u>Colias</u>				
<u>eurytheme</u> Bdv.	2 (NM)			
<u>interior</u> laurentina Scud.	6			
<u>philodice</u> Godt.	9			
Nathalis iole Bdv.	1 (NM)			
Neophasia menapia F. & F.	3 (NM)			
Phoebis sennae eubule L.	3 (NM)			
<u>Pieris</u>				
monuste L.	1 (NM)			
napi Linn.	2 (NM)*			
<u>napi oleracea</u> Harr.	1 (NM)			
<u>rapae</u> Linn.	9			
protodice Bdv. & Lec.	4 (NM)			
Zerene caesonia Stoll.	3 (NM)			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PYRALIDAE (cont'd)				
laqueatellus Clem.	1*			
latiradiellus Wlk.	2			
luteolellus Clem.	11*			
pascuellus L.	2*			
praefectullus Zinck	1*			
ruricolellus Zell.	9*			
trisectus Wlk.	3*			
unistriatellus Pack.	7*			
vulgivagellus Clem.	14*			
Desmia funeralis Hbn.	4 (NM)*			
Dioryctria				
sp.	1			
abietivorella Grt.	26*	1	4-Larvae	
disclusa Heinr.	3*			
reniculella Grt.	96*	7	4-Larvae, pupae, frass	Larvae, pupae (BW) (C)
zimmermani Grt.	1		3-Larvae	
Ephestia kuehniella Zell.			1-Larvae	
Eulogia ochrifrontella Zell.	3*			
Eurrhyncha				
hortulata L.	5*			
urticata Linn.	11*			
Evergestis				
pallidata Hufn.	11*			
straminalis Hbn.	6*			
Framinghamia helvalis Wlk.	6*			
Galleria mellonella Linn.	1*			
Glyptocera consobrinella Zell.	2*			
Herculia				
intermedialis Wlk.	8*			
thymetusalis Wlk.	13 (NM)*	2*	4-Larvae, pupae, frass	Larvae (BW)(C)
Homoeosoma stypticellum Grt.	7*			
Hymenia fascialis Cram.	2*			
Laodamia fusca Haw.	3			
Loxostege				
chortalis Grt.	15*			
sticticalis Linn.	3*			
Macrobotys pertextalis Led.	13*			
Meroptera				
sp.	10*			Larvae (BW)(C)
pravella Grt.	3*	2*		Larvae (BW)(C)
[Mineola] Acrobasis				
indigenella Zell.	5*			
vaccinii Riley	2*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PYRALIDAE (cont'd)				
Moodna ostrinella Clem.	1*		1-Larvae	
Nephopteryx				
basilaris Zell.	4*			
vetustella Dyar	1*			
Nomophila				
sp.	13*			
noctuella Schiff.	15*		2-Larvae	Larvae, pupae (BW) (C)
Nymphula				
badiusalis Wlk.	1*			
ekthlipsis Grt.	2*			
icciusalis Wlk.	1*			
obliteralis Wlk.	4*			
Oreana unicolorella Hlst.	13*			
Ortholepsis pasadamia Dyar	16*			
Palpita magniferalis Wlk.	1*			
Parapoynx				
allionealis itealis Wlk.	1*			
maculalis Clem.	1*			
Peoria approximella Wlk.	15*			
[Phlyctaenia] Nascia				
acutella Wlk.	3*			
coronata tertialis Gn.	18*			
Pilocrocis ramentalis Led.	1*			
Plodia interpunctella Hbn.	1*		2-Larvae, adults	
Pyralis farinalis Linn.	2*			
Pyrausta				
acrionalis Wlk.	3*			
ainsliei Heinr.	2*			
fumalis Gn.	21*			
fumoferalis Hlst.	1*			
funebriis Strom.	1*			
funebriis glomeratis Wlk.	2*			
futilalis Led.	2*			
nubilalis Hbn.	1*			
subsequalis Gn.	1*			
unifascialis subolivialis Pack.	4*			
Schoenobius longirostellus Clem.	1*			
Scoparia				
biplagiatis Wlk.	12*			
basalis Wlk.	9*			
centuriella D. & S.	21			
lugubralis Wlk.	1			
penumbralis Dyar	2			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PYRALIDAE (cont'd)				
Tetralopha				
sp.			1-Larvae	
aplastella Hlst.	3*			
asperatella Clem.	6*	4*	1-Frass	
maritimalis McD.	7*	1*		
robustella Zell.			2-Larvae, (NM)	
tlascalala sp.	1*			
Udea				
itysalis Wlk.	1*			
rubigalis Gn.	6*			
Urespitha reversalis Gn.	1 (NM)*			
Witlesia sp.	1			
SATURNIDAE				
Actias luna Linn.	8*			
<u>Antheraea polyphemus</u> Cram.	5			Larvae, pupae (BW)(C)
Hyalophora				
sp.				Larvae (BW)(C)
cecropia Linn.	10	2*	1-Frass	Larvae, pupae (BW)(C)
columbia Sm.	10*	4	1-Frass	Larvae (C)
Telea polyphemus Cram.	17*	9	1-Frass	
SATYRIDAE				
Coenonympha				
haydenii Edw.	1 (NM)			
inornata Edw.	3 (NM)*			
kodiak Edw.	1 (NM)			
Enodia portlandia Fabr.	2			
Megisto				
eurythus Fabr.	6 (NM)			
hermes Fabr.	2 (NM)			
hermes form sosybius Fabr.	4 (NM)			
[Minois] Cercyonis				
[alope Fabr.] pegala Fabr.	6 (NM)*			
alope boopis Behr	12			
alope nephele Kby.	15			
Satyrodes eurydice Joh.	4			
SPHINGIDAE				
Celerio gallii intermedia Kby.	9*	1*		Larvae (BW)(C)
Ceratomia				
amyntor Hbn.	4*		1-Larvae	

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SPHINGIDAE (cont'd)				
<u>undulosa</u> Wlk.	12*		1-Pupae	Eggs, larvae, pupae, adults (C)
<u>Cressonia juglandis</u> J.E. Smith	2*	1*		
<u>Darapsa pholus</u> Cram.	17*			
<u>Hemaris</u>				
<u>diffinis aethra</u> Stkr.	2*			
<u>thysbe form cimbiciformis</u> Steph.	5*			
* ? <u>Herse cingulata</u> Fabr.	3*			
<u>Lapara bombycoides</u> Wlk.	10*	4*	2-Pupae, frass	Larvae, pupae (BW) (C)
<u>Pachysphinx modesta</u> Harr.	18*	1	1-Frass	Larvae (BW)(C)
<u>Paonias</u>				
sp.		1*		
<u>excaecata</u> J. E. Smith	27*		1-Larvae	Eggs, larvae (BW) (C)
<u>myops</u> J. E. Smith	12*			
** <u>Phlegthontius quinquemaculatus</u> Haw.	1*			
<u>Pholus</u>				
sp.	1*			
<u>exedecata</u> A. & S.				Larvae, eggs (C)
<u>Smerinthus</u>				
<u>cerisyi</u> Kby.	20*	1*		Eggs, larvae (BW) (C)
<u>jamaicensis</u> Dru.	20	1*		Eggs, larvae, pupae (C)
<u>jamaicensis form geminatus</u> Say	12*			
<u>Sphinx</u>				
sp.		1*		
<u>chersis</u> Hbn.	1			Eggs (C)
<u>drupiferarum</u> J. E. Smith	4*		1-Larvae	
<u>gordius</u> Cram.	9*	1*	3-Larvae, pupae	Eggs, larvae (C) Pupae (BW) (C)
<u>kalmiae</u> J. E. Smith	10*	2		
<u>luscitiosa</u> Clem.	1*			

STENOMIDAE

<u>Stenoma</u>	
<u>algidella</u> Wlk.	8*
<u>schlaegeri</u> Zell.	2*

TINEIDAE

<u>Monopis</u>	
<u>biflavimaculella</u> Clem.	3*

*? Agrius cingulatus

** Manduca quinquemaculata

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TINEIDAE (cont'd)				
monachella Hbn.	13*			
Myrmecozela effrenatella Clem.	3*			
THYATIRIDAE				
<u>Euthyatira pudens</u> Gn.	1			
<u>Habrosyne scripta</u> Gosse.	11*			
<u>Pseudothyatira</u>				
cymatophoroides Gn.	5*			
cymatophoroides form expultrix Grt.	8			
TOMTRICIDAE				
<u>Acleris</u>				
sp.	10*			
braunana McD.	5*			
busckana McD.	3*			
caliginosana Wlk.	2*			
celiana Rob.	2*			
celiana albilineana Kft.	1*			
cervinana Fern.	1*			
chalybeana Fern.	3*			
clarkei Obr.	1*			
cornana McD.	13*			
emargana Fabr.	1*			
fishiana Fern.	1*			
flavivittana Clem.	4*			
forbesana McD.	1*			
fragariana Kft.	2*			
fuscana B. & B.	1 (NM)*			
gallicolana heindelana Fern.	1*			
nr. inana Rob.	3*			
latifasciana Haw.	3*			
logiana Linn.	4*	1		
maculidorsana Clem.	4*			
minuta form cinderella Riley	1*			
nivisellana Wlshm.	1*			
pulverosana Wlk.	1 (NM)*			
semiannula Rob.	6*			
variana Fern.	162*	9	14-Larvae, pupae, frass	Larvae, pupae, damage (BW) (C)
<u>Amorbia humerosana</u> Clem.	25*	4*	2-Larvae, frass	
<u>Aphelia alleniana</u> Fern.	2*			
<u>Archippus albertus</u> McD.	14*		1-Larvae, frass	Larvae (BW) (C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TORTRICIDAE (cont'd)				
dissitanus Grt.	2*			
packardianus Fern.	15*	1	3-Larvae, frass	Larvae (BW)(C)
striatus Fern.	12*			
Archips sp.	1*	4*	1-Larvae (NM)	
argyrosphilus Wlk.	36*	1*	1-Larvae	Larvae, pupae (BW)(C)
cerasivoranus Fitch	90*	36	3-Larvae, pupae, frass	Eggs, larvae, pupae, damage (BW)(C)
[Archips] Choristoneura conflictana Wlk.				Damage (C)
fervidanus Clem.	12*	3		
mortuanus Kft.	4*			
purpuranus Clem.	18*			Larvae (BW)(C)
rosanus Linn.	20*			Damage (C)
Argyrotaenia sp.	1 (NM)*			
dorsalana Dyar	4*			
mariana Fern.	4*			
occultana Free.	5*	1	1-Larvae	Larvae (BW) (C)
pinatubana Kft.	10*	5	2-Larvae, pupae	
quadrifasciana Fern.	32*			
quercifoliata Fitch	12*			
repertana Free.	3*			
velutinana Wlk.	42*		2-Larvae, frass	
Argyrotoxa albicomana Clem.	3*			
curvalana Kft.	14			
Cenopsis pettitana Rob.	190*	7	9-Larvae, pupae, frass	Larvae, pupae (BW)(C)
Choristoneura sp.	1*			
conflictana Wlk.	24*	1	5-Larvae, pupae	Pupae (BW)(C)
fractivittana Clem.	2*			
fumiferana Clem.	238*	38	10-Eggs, larvae, pupae, frass	Eggs, larvae, pupae, adults, damage (BW)(C)
obsoletana Wlk.	1			
rosaceana Harr.	77*	1	3-Larvae	Larvae (BW)(C)
Clepsis clemensiana Fern.	8*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TORTRICIDAE (cont'd)				
melaleucana Wlk.	9*			
persicana Fitch	42*	2	1-Larvae	Pupae (C)
Cnephasia virgaureana Treitschke	29*			
Croesia semipurpurana Kft.	129*	9	6-Larvae	Larvae (BW) (C)
Eulia ministrana Linn.	2 (NM)*			
Pandemis				
canadana Kft.	52*	4	1-Larvae	
lanprosana Rob.	5*			
limitata Rob.	5*			
Platynota idaeusalis Wlk.	1*			
Ptychloma peritana Clem.	13*			
Sparganothis				
sp.	22*			
albicaudana Busck	1*			
breviornatana Clem.	6*			
irrorea Rob.	4*			
lycopodiana Kft.	1*			
reticulatana Clem.	22*			
sulfureana Clem.	6*			
tristriata Kft.	2 (NM)*			
unifasciana Clem.	26*			
violaceana Rob.	1*			
virginiana Clem.	2*			
xanthoides Wlk.	26*			
Syndemis afflictana Wlk.	2*			
Tortrix wellingtoniana Kft.	1 (NM)*			
YPONOMEUTIDAE				
Argyresthia				
aureoargentella Brower	5*			
freyella Wlshm.	6*			
laeuigatella H.-S.	8 (NM)			
laricella Kft.	15*		7-Larvae, pupae	Eggs, larvae, pupae (BW) (C) Adults (C)
oreasella Clem.	2*		1-Larvae	
pygmaeella Hbn.	18*		2-Larvae	
thuiella Pack.	8*		2-Larvae	Larvae (BW) (C)
Atteva aurea Fitch	1*			
Ocnerostoma sp.	1*			
Swammerdamia cuprescens Braun	2*			
Zelleria haimbachi Busck	3 (NM)			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
DIPTERA				
ACROCERIDAE				
<i>Ogcodes pallidipennis</i> (Loew.)	1*			
AGROMYZIDAE				
<i>Agromyza aristata</i> Malloch			1-Larvae	
n. sp.	3			
<i>Melanagromyza schineri</i> (Giraud)	10*			Damage (BW)(C)
ANISOPODILAE				
<i>Sylvicola fenestralis</i> (Scopoli)	3*		1-Eggs	
ANTHOMYIIDAE				
<i>Hylemya</i>				
<i>alcathoe</i> (Walker)	1			
<i>brassicae</i> (Bouché)	5		1-Larvae	
<i>fugax</i> (Meigen)	3*			
<i>lasciva</i> (Zetterstedt)	1			
<i>lineariventris</i> (Zetterstedt)	1			
<i>platura</i> (Meigen)	1			
<i>pullula</i> (Zetterstedt)	1			
<i>Paraprosalpia silvestris</i> (Fallén)	1 (NM)*			
<i>Scatophaga</i>				
<i>stercoraria</i> (Linnaeus)	1*			
<i>suilla</i> (Fabricius)	1*			
ASILIDAE				
<i>Cyrtopogon falso</i> (Walker)	1*			
<i>Laphria</i>				
<i>gilva</i> (Linnaeus)	1 (NM)			
<i>scorpio</i> McAtee	1*			
<i>Tolmerus notatus</i> (Wiedemann)	5			
BIBIONIDAE				
<i>Bibio</i>				
sp.	11			
<i>abbreviatus</i> Loew	16*			
<i>albipennis albipennis</i> Say	5 (NM)			
<i>slossonae</i> Cockerell	16*			
<i>vestitus</i> Walker	2 (NM)*			
<i>xanthopus</i> Wiedemann	10*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
BIBIONIDAE (cont'd)				
Dilophus breviceps (Loew)	3*			
Penthetria heteroptera (Say)	13 (NM)			
BOMBYLIIDAE				
Bombylius sp.	3*			
pygmaeus pygmaeus Fabr.	1*			
Villa nigricauda (Loew)	1*			
CALLIPHORIDAE				
Bufolucilia silvarum (Meigen)	1 (NM)*			
Calliphora livida Hall	1*			
vomitorea (Linnaeus)	8 (NM)*			
Cynomyopsis cadaverina (R.D.)	4 (NM)*			
Lucilia illustris (Meigen)	2*			
Phormia regina (Meigen)	1*			
Pollenia rudis (Fabricius)	24*			
Protophormia terraenovae (R.D.)	1*			
CECIDOMYIIDAE				
Aphidoletes thompsonii Mohn	105* (8* slides)		73-Larvae, pupae, adults	Eggs, larvae (BW) pupae, adults (C)
Contarinia sp.	19*			
Dasineura balsamicola (Lint.)	17* (20 slides)		23-Larvae, pupae, adults	
canadensis Felt	13*			
communis Felt			2-Larvae	
Epimyia sp.	1*			
Johnsonomyia sp.	4		4-Larvae, pupae	
Mayetiola sp.	5			
piceae (Felt)	9			
rigidae (O. S.)			2-Larvae	
Mycodiplosis cerasifolia (Felt)			1-Pupae	
Paradiplosis n. sp.	22*			
Peromyia sp.	4*			
[Retinodiplosis] Cecidomyia resinicola (O. S.)				Adult (C)
Rhabdophaga swaini Felt	8*		22-Adults	Damage (BW) (C)
Winnertzia sp.	1*			
CERATOPOGONIDAE				
Atrichopogon sp.				

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CHAMAEMYIIDAE				
<i>Cremifania nigracellulata</i> Cz.	36(NM)*		46-Eggs, larvae, pupae, adults	Eggs, pupae, adults (BW) larvae (C)
<i>Leucopis</i> [<i>Leucopina</i>] sp.	6*			Eggs, larvae, adults (BW) pupae (C)
<i>americana</i> auct.	25*(1*slide)		36-Eggs, larvae, pupae, adults	
sp.nr. <i>americana</i> auct.	7*			
sp.nr. <i>atrifacies</i> Ald.	8*			
<i>obscura</i> (Hal.)	149(NM)*(15*slides)		68-Larvae, pupae, adults	Larvae (BW) (C), pupae, adults (BW)
nr. <i>obscura</i> (Hal.)	11*			
<i>orbitalis</i> Mall.	1*			
<i>pinicola</i> (Mall.)	52*		31-Eggs, larvae, pupae, adults	Larvae (BW) (C) eggs, pupae, adults (BW)
CHIRONOMIDAE				
<i>Chasmatonotus atripes</i> Remp.	6*			
n.sp.nr. <i>atripes</i> Remp.	1*			
<i>Chironomus</i> sp.	1*			
<i>Pentaneura melanops</i> (Meigen)	1			
<i>Procladius</i> sp.	1*			
<i>Tanytarsus</i> sp.			1-Larvae (NM)	
CHLOROPIDAE				
<i>Elachiptera costata</i> (Loew)	2*			
<i>Hapleginella conicola</i> (Greene)	1*			
<i>Oscinella</i> sister (Macquart)	28*			
<i>umbrosa</i> (Loew)	1*			
CULICIDAE				
<i>Aedes</i> sp.	13			2-Larvae, pupae
<i>canadensis canadensis</i> (Theobald)	11*			1-Larvae, pupae
<i>intrudens</i> Dyar	4*			
<i>punctor</i> (Kirby)	3*			
<i>sticticus</i> (Meigen)	13*			
<i>trichurus</i> (Dyar)	6			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
CULICIDAE (cont'd)				
<i>Anopheles earlei</i> Vargas	2*			
<i>Culex restuans</i> Theobald	1			
DOLICHOPODILAE				
<i>Chrysotus</i> sp.	1			
<i>Dolichopus</i> sp.	1			
<i>nigricornis</i> meigen (Zett.)	2 (NM)*			
<i>Gymnopternus currani</i> (Van Duzee)	1*			
<i>Medetera</i> sp.	12*			
<i>halteralis</i> V.D.	3*			
<i>veles</i> Lw.	3*			
DROSOPHILIDAE				
<i>Drosophila transversa</i> Fln.	2*			
EMPIDIDAE				
<i>Empis</i> sp.	1			
<i>Rhamphomyia</i> sp.	5*			
<i>ravida</i> Coquillett	6 (NM)*			
<i>Tachypeza fenestrata</i> (Say)	4*			
HELEOMYZIDAE				
<i>Neoleria inscripta</i> (Meigen)	6 (NM)*			
<i>Tephrochlamys rufiventris</i> (Meigen)	3*			
HIPPOBOSCIDAE				
<i>Ornithomyia</i> sp.	2*			
LAUXANIIDAE				
<i>Lauxania cylindricornis</i> (Fabricius)	1*			
<i>Minettia lupulina</i> Fabricius	1*			
<i>Sapromyza rotundicornis</i> Loew	1*			
LONCHAEIDAE				
<i>Earomyia</i> <i>aterrima</i> (Malloch)	2*			

	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
LONCHAEIDAE (cont'd)				
Earomyia n. sp.	3*			
Lonchaea				
corticis Taylor	24*			
watsoni Curran	2			
MUSCILAE				
Coenosia sp.	1			
Helina				
duplicata (Meigen)	2*			
fulvisquama (Zetterstedt)	2 (NM)*			
rothi Ringdahl	12*			
troene (Walker)	5			
Hydrotaea sp.	1			
Lasiops				
sp.	1 (NM)			
albibasalis (Zetterstedt)	8 (NM)*			
spiniger (Stein)	10*			
Lyperosiops alcis (Snow)	7 (NM)			
Macrorchis ausoba (Walker)	1			
Morellia micans (Macquart)	1 (NM)*			
Musca domestica Linnaeus	1*			
Muscina				
assimilis (Fallén)	10*			
stabulans (Fallén)	3*			
Mydaea				
discimana Malloch	1*			
furtiva Stein	2			
Phaonia errans (Meigen)	1 (NM)*			
Quadrularia				
annosa (Zetterstedt)	1 (NM)*			
laetifica (R. D.)	4*			
Spilogona suspecta (Malloch)	4*			
ODINIIDAE				
Odinia				
boletina (Zetterstedt)	2*			
xanthocera Collin	4*			
OESTRIDAE				
Hypoderma				
sp.			1-Larvae (NM)	
bovis (Linnaeus)			1-Larvae (NM)	

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
OTITIDAE				
<i>Seioptera vibrans</i> (Linnaeus)	3*			
<i>Zacompsia</i> sp.	3			
PIOPHILIDAE				
<i>Piophila casei</i> (Linnaeus)	8*			
PIPUNCULIDAE				
<i>Jassidophaga pilosa</i> (Zett.)				1-Larvae, adults (BW)
PSILIDAE				
<i>Chyliza erudita</i> Melander	3*			
RHAGIONIDAE				
<i>Chrysopilus proximus</i> (Walker)	1*			
<i>Rhagio mystaceus</i> (Macquart)	11*			
<i>Symphoromyia</i> sp.	1			
SCIARIDAE				
<i>Bradysia</i> sp.	4*			
<i>coprophila</i> (Lint.)	1*			
<i>Epidapus</i> sp.	2*			
<i>Sciara</i> sp.	9*			
<i>sciophila</i> Loew	1 (NM)*			
<i>Sciaria</i> sp.	17*			
SIMULIIDAE				
<i>Prosimulium mixtum</i> Syme & Davies	12*			
<i>Simulium venustum</i> Say	24*			1-Pupae (NM)
SPHAEROCLERIDAE				
<i>Leptocera lutosa</i> (Stenhammar)	1*			
STRATIOMYIDAE				
<i>Actina viridis</i> (Say)	6*			
<i>Odontomyia</i> sp.				1-Larvae (NM)
<i>pubescens</i> Day	1*			
<i>Stratiomys</i> sp.				2-Larvae, (NM)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SYRPHIDAE				
Allograpta obliqua (Say)	2*			
Chrysotoxum				
laterale Lw.	1*			
perplexum Johnson	1*			
[Cnemodon] Neocnemodon sp.	9*		3-Adults	
Dasysyrphus arcuatus (Fallén)				Larvae, pupae, adults (C)
Didea laxa Osten Sacken	1 (NM)*			
Enumerus strigatus (Fall.)	1*			
[Epistrophe] Melangyna				
genualis (Will.)	1*			
mentalis (Will.)	1*			
xanthostoma (Will.)	5*			
Eristalis				
sp.			1-Larvae (NM)	
arbustorum (L.)	3*			
tenax L.	16*			
Helophilus borealis Staeger	1 (NM)*			
Melangyna genualis (Williston)	3*			
Melanostoma				
sp.	1*			
montivagum Johnson	3 (NM)			
Meliscaeva cinctella (Zetterstedt)	1 (NM)*			
[Mesogramma] Mesograpta				
marginata (Say)	15*			
Metasyrphus				
sp.				Larvae (BW) (C)
americanus (Wiedemann)	14*			
lapponicus (Zett.)	31*		3-Eggs, larvae, pupae	Eggs, larvae, pupae, adults (BW) (C)
[wiedemanni (John.)]				
americanus (Wied.)	8*			
Neocnemodon				
coxalis (Curr.)	3*		8-Larvae, pupae	Larvae, pupae, adults (BW) (C)
pubescens D. & Pw.	9*			
Platycheirus				
sp.	3			
erraticus Curran	5 (NM)*			
quadratus (Say)	1 (NM)*			
peltatus (Meigen)	1*			
Rhingia nasica Say	3*			
Sphaerophoria				
sp.	4*			
cylindrica (Say)	1*			
menthastri (L.)	1*			
robusta Curran	6 (NM)*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SYRPHIDAE (cont'd)				
<i>Sphegina rufiventris</i> Loew	3 (NM)*			
<i>Syritta pipiens</i> (L.)	1*			
<i>Syrphus</i>				
<i>rectus</i> Osten Sacken	1*			
<i>ribesii</i> (Linnaeus)	4 (NM)*			
<i>torvus</i> Osten Sacken	66*		2-Eggs, pupae	Eggs, larvae, pupae (BW) Adults (C)
<i>vitripennis</i> Meigen	1 (NM)*			
<i>vittafrons</i> Shannon	5*			
<i>Temnostoma alternans</i> Loew	1*			
<i>Toxomerus geminatus</i> (Say)	1*			
<i>Tropidia quadrata</i> (Say)	1*			
<i>Volucella</i> var. <i>plumata</i> (DeGeer)	1 (NM)*			
<i>Xylotomima nemorum</i> (Fab.)	1*			
TABANIDAE				
<i>Chrysops</i>				
sp.			1-Larvae(NM)	
<i>carbonarius</i> Walker	2*			
<i>lateralis</i> Wiedemann	2*			
<i>niger</i> Macquart	1*			
<i>sordidus</i> Osten Sacken	1*			
<i>Hybomitra</i>				
<i>affinis</i> (Kirby)	2*			
<i>lasiophthalma</i> (Macquart)	4*			
<i>zonalis</i> (Kirby)	2*			
TEPHRITIDAE				
<i>Epochra canadensis</i> (Loew)	30*			
<i>Eurosta solidaginis</i> (Fitch)	5*			
<i>Rhagoletis</i>				
<i>fusta</i> (Osten Sacken)	7*			
<i>pomonella</i> (Walsh)	2*			
TIPULIDAE				
<i>Discobola argus</i> (Say)	1*			
<i>Helius</i> sp.			1-Larvae(NM)	
<i>Limonia</i>				
<i>annulata</i> (Linnaeus)	1			
<i>argus</i> (Say)	1*			
<i>pudica</i> (Osten Sacken)	1*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TIPULIDAE (cont'd)				
<i>Pedicia</i>				
sp.	1*		1-Larvae(NM)	
<i>albivitta</i> Walker	1*		1-Larvae(NM)	
<i>autumnalis</i> (Alexander)	1*			
<i>Tipula</i>				
<i>abdominalis</i> (Say)	1*			
<i>eluta</i> Loew	1*			
<i>sayi</i> Alexander	1*			
XYLOPHAGIDAE				
<i>Xylophagus abdominalis</i> Loew	3*			
HYMENOPTERA				
APIDAE				
<i>Apis mellifera</i> Linn.	3			
<i>Bombus</i>				
sp.	4			
<i>terricola</i> Kby.	1*			
<i>Bremus ternarius</i> Say	1*			
<i>Ceratina dupla</i> Say	1*			
<i>Nomada</i> sp.	1*			
ARGIDAE				
<i>Arge</i>				
sp.		3*		
<i>clavicornis</i> (F.)	14*	3*	1-Pupae	
<i>pectoralis</i> (Leach)	15*	9	8-Larvae, frass	
CIMBICIDAE				
<i>Cimbex americana</i> Leach	15*	5	4-Larvae, frass	Larvae (BW)(C) Adults (C)
<i>Trichiosoma triangulum</i> Kby.	20*	10	1-Larvae	
<i>Zaraea americana</i> Cress.	3*			
CYNIPIDAE				
<i>Andricus singularis</i> (O.S.)			1-Larvae	
<i>Callirhytis</i> sp.	15*		1-Larvae	
<i>Cynips</i> sp.				Larvae (BW)(C)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
DIPRIONIDAE				
Diprion hercyniae Htg.	164*	5	16-Eggs, larvae, pupae, adults, frass	Eggs, larvae pupae, adults, frass (BW) (C)
nipponica Roh.	24(NM)*			
pini (L.)	2(NM)			
similis (Hart.)	24(NM)			
Metallus rohweri MacG.			2-Larvae	
Monoctenus juniperinus MacG.	2	2*		
Neodiprion sp.	43*	6	4-Larvae, pupae, frass	
abietis (Harr.)	173*	3*	25-Eggs, pupae, frass	Larvae, pupae (BW) (C)
americanus dyari Roh.	16*		1 Frass	
compar (Leach)				Larvae (BW) (C)
lecontei (Fitch)	12			
nanulus nanulus Schedl.	85*	8*	9-Larvae, pupae, frass	Larvae, pupae (BW) (C)
pinetum (Nort.)	36*	5	6-Larvae	Larvae (BW) (C)
pini-rigidae (Nort.)	6*			
pratti banksianae Roh.	11*		1-Larvae	
pratti paradoxicus Ross	2*		1-Larvae, frass	
rileyi (Cress.)	3*			
sertifer (Geoff.)	21			
swaini Middleton	16*		1-Larvae	
tsugae Middleton	4			
virginianus complex	66	5	10-Eggs, larvae, pupae, frass	Pupae (BW) (C)
FORMICIDAE				
Camponotus sp.	20*		2-Adults	
herculeanus (Linn.)	62*		1-Adults	
pennsylvanicus (DeGeer)	13*		1-Adults	
Formica fusca (L.)	1*			
ulkei Emery			2-Adults	
Myrmica sp.	1*			
lobicornis fracticornis Emery	3*			

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PAMPILIIDAE				
Acantholyda				
sp.	28(NM)*			
n. sp. B	62(NM)			
albomarginata (Cress.)	3(NM)*			
angulata (MacG.)	2(NM)*			
sp. nr. angulata (MacG.)	1(NM)			
atrata (Cress.)	18(NM)*			
balanata (MacG.)	33(NM)*			
prob. balanata (MacG.)	3(NM)*			
bicolorata (Nort.)	1(NM)*			
brunnicans (Nort.)	10(NM)*			
bucephala (Cress.)	1(NM)*			
burkei Mdkf.	2(NM)*			
sp. nr. burkei Mdkf.	1(NM)			
chicoutimiensis Huart.	4(NM)*			
crocina Mdkf.	1(NM)*			
erythrocephala (L.)	4(NM)*			
luteomaculata Cress.	44(NM)*			
maculiventris (Nort.)	227(NM)*			
n. sp. A	26(NM)*			
nr. maculiventris (Nort.)	4(NM)*			
ochrocera (Nort.)	23(NM)*			
pini Rohwer	2*			
ruficeps (Hgtm.)	8(NM)*			
terminalis (Cress.)	2(NM)*			
tesselata (Klug.)	1(NM)*			
verticalis (Cress.)	7(NM)			Eggs (BW)
zappei (Roh.)	11(NM)*			
Cephalcia				
sp.			4-Larvae	
californica Mdkf.	67*		13-Eggs, larvae, frass	Eggs, adults, (BW), larvae
distincta (MacG.)	6		1-Frass	Adults(BW)
fascipennis (Cress.)	144		24-Eggs, larvae, pupae, frass	Eggs, adults (BW)
frontalis (Westw.)	21(NM)		8-Eggs, larvae, frass	Eggs, larvae, adults, (BW)
fulviceps (Roh.)	28		10-Eggs, larvae, pupae, frass	Eggs, larvae, adults (BW)

Species	No. pinned adults	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
PAMPHILIIDAE (cont'd)				
<i>lascipennis</i> (Cress.)				Eggs (C)
<i>marginata</i> Mdkf.	9		4-Larvae, frass	Adults (BW)
<i>nigra</i> Mdkf.	1		4-Larvae, frass	Adults (BW)
<i>nigropectus</i> (Cress.)	15		2-Larvae, frass	
<i>provancheri</i> (Huard)	23		7-Eggs, larvae, frass	Larvae, adults (BW)
<i>semidea</i> (Cress.)	5		7-Eggs, larvae	Eggs, larvae, adults (BW)
<i>Neurotoma</i>				
<i>crataegi</i> (Mdkf.)	1 (NM)			
<i>fasciata</i> (Nort.)	4 (NM)			
<i>inconspicua</i> (Nort.)	29 (NM)			
<i>Pamphilius</i>				
n. sp. A	5 (NM)			
<i>amplectus</i> (Fab.)	1 (NM)			
<i>excavatus</i> (Nort.)	6 (NM)			
<i>luteicornis</i> (Nort.)	3 (NM)			
<i>multisignatus</i> (Nort.)	2 (NM)			
<i>nigritibialis</i> Roh.	2 (NM)			
<i>ochreipes</i> (Cress.)	15 (NM)			
sp. nr. <i>ochreipes</i> (Cress.)	3 (NM)			
<i>pallimaculus</i> (Nort.)	61 (NM)			
<i>quebecensis</i> (Prov.)	1 (NM)			
<i>rufofasciatus</i> (Nort.)	1 (NM)			
<i>sitkensis</i> (Kinc.)	3 (NM)			
<i>ununguis</i> (Mdkf.)	1 (NM)			
SIRICIDAE				
<i>Sirex</i>				
<i>areolatus</i> (Cress.)	10 (NM)*			Eggs, adults (C)
<i>californicus</i> (Ashm.)	12 (NM)*			
<i>cyaneus</i> F.	57*			Eggs, larvae, pupae, adults, damage (BW)(C)
<i>juvencus</i> Linn.	14*			Eggs, larvae, pupae, adults, damage (BW)(C)
<i>Tremex columba</i> Linn.	219*			Eggs, larvae, pupae, adults, damage (BW)(C)

Species	No. adults pinned	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
SIRICIDAE (cont'd)				
Urocerus				
albicornis F.	34*			Adults(C)
cressoni Nort.	2*			
flavicornis F.	11*			Adults(C)
Xeris spectrum Linn.	22*			Larvae, pupae, adults, (C)
SPHECIDAE				
Chalybion californicum (Saussure)	4*			
Crabro sp.	10			
Crossocerus ambiguus (Dahlb.)	2*			
Ectemnius sp.	9*			
Passaloecus sp.	1*			
Pemphredon angularis Fox	1*			
TENTHREDINIDAE				
Amauronematus luteotergum (Nort.)		1	2-Larvae, frass(NM)	
Anoplonyx				
sp.		1*		
luteipes (Cress.)	3	1	1-Larvae	Larvae, pupae (BW) (C)
Caliroa				
sp.			1-Larvae	
cerasi (L.)	1*		4-Larvae	
Cladius isomerus Nort.			2-Larvae	
Croesus latitarsus Nort.	10*	6*	5-Larvae, frass	Larvae (BW) (C)
Dimorphopterix				
sp.		1*		
pinquis (Nort.)		4*	2-Larvae, frass	Pupae(BW) (C)
Dolerus				
apricus (Nort.)	1*			
gessneri Andre	1*			
unicolor Beauv.	5*			
Empria multicolor Nort.	2*	3		
Erythraspidēs vitis Harr.		2		
Euura				
sp.	1*		3-Larvae	
atra (Jur.)	63*		14-Eggs, larvae, pupae	Pupae(BW) (C)
mucronata (Htg.)	2*		1-Larvae	

Species	No. of pinned adults	No. of inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TENTHREDINIDAE (cont'd)				
Fenusia				
dohrnii (Tisch.)	1*		5-Larvae	
pusilla (Lep.)	30*		5-Larvae, frass	Larvae (BW) (C) damage (C)
ulmi (Sund.)		5*	2-Larvae	
Hemichroa crocea (Fourn.)	23*	5*	4-Larvae, frass	
Hemitaxonus albidipictus Nort.	1*			
Heterarthrus nemoratus (Fall.)	20*		12-Larvae	
Hoplocampa cookei (Clarke)		1*	1-Larvae	
Macremphytus				
intermedius (Dyar)	2	1*	6-Larvae, frass	
varianus (Nort.)	2			
Macrophya				
externa Say	1*			
flavicoxae Nort.	1*			
omega Nort.	4			
varia (Nort.)	1*			
Messa				
populifoliella (Tws.)	36*		4-Larvae, 47-Eggs, larvae, pupae	Eggs, larvae, pupae, adults, damage (BW) (C)
Nematus				
sp.	4*	3*	4-Larvae, pupae	
erythrogaster Nort.	1*			
fulvicrus Prov.		1*		
hyalinus (Nort.)	1*			
sp.nr. hyalinus (Nort.)	1*			
limbatus Cress.	25*	4	5-Larvae, frass	
magus (Marl.)	2*			
mendicus Walsh	1*			
odoratus (Marl.)	21		4-Larvae, frass	
oligospilus (Forst.)	1*			
populi Marl.	20*	1*		
proximus Lep.	5*			
ribesii (Scop.)			1-Larvae	
robustus (Marl.)		2	1-Larvae	
ventralis Say	46			Larvae (BW) (C)
Neopareophora litura (Klug)	1*			
Pareophora minuta (MacG.)	4*			
Periclista				
sp.			2-Larvae	
albicollis (Nort.)	6*			

Species	No. adults pinned	No. inflated and/or dehydrated larvae	No. vials preserved immatures, adults, frass	Illustrations
TENTHREDINIDAE (cont'd)				
Periclista diluta (Cress.)		2		
Pikonema				
alaskensis (Roh.)	206*	7*	12-Larvae, frass	Larvae(BW)(C) adults(C)
dimmockii (Cress.)	99*	6*	6-Larvae, pupae	Larvae, pupae (BW)(C)
Priophorus				
sp.		1*		
morio (Lep.)	1*			
salicivorus Roh.	1*			
PRISTIPHORA				
sp.		3*		
erichsonii (Htg.)	144	13*	47-Eggs, larvae, frass	Larvae, pupae(BW)(C)
geniculata (Htg.)	154*	13	7-Larvae, pupae, frass	Eggs, larvae, pupae, adults, damage(BW)(C)
Profenus				
mainensis n. sp.			3-Larvae	
thompsoni (Konow)			9-Larvae	
Rhogogaster californica (Nort.)	1*			
Strongylogaster				
sp.		7*	1-Larvae	
impressatus Prov.	7*		1-Larvae	
Tenthredo				
basilaris Say	2*			
leucostoma Kby.	6*			
originalis Nort.	16*			
xantha Nort.	4			
Trichiocampus				
irregularis (Dyar)	15*	5	2-Larvae	Larvae(BW)(C)
viminalis (Fall.)	26*	2*		
VESPIDAE				
Polistes sp.	2			
Vespula				
arenaria Fab.	5			
maculata L.	1			
maculifrons (Buysson)	3			
norvegicoides Fab.	4			
vulgaris L.	1			
XYELIDAE				
Pleroneura borealis Felt.	3		3-Larvae	Larvae (BW)(C)

Species	No. Slides	No. Vials
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THYSANOPTERA

THRIPIDAE

<i>Oxythrips</i> sp.	9	
<i>Taeniothrips pini</i> (Uzel)	13	

HOMOPTERA

ADELGIIDAE

Adelges		
sp.	35*	1*
<i>abietis</i> Linn.	50*	6*
<i>cooleyi</i> Gill.	17*	2*
<i>lariciatus</i> (Patch)	7*	13*
<i>nusslini</i> (C.B.)	50*(NM)	2*
<i>piceae</i> (Ratz.)	1528*	3*
<i>prelli</i> (Gros.)	5*(NM)	
<i>strobilobius</i> (Kalt.)	28*	13*
<i>Dreyfusia merkeri</i> Eichh.	40*(NM)	
Phylloxera		
sp.	6*	3*
<i>salicicola</i> Perg.		1*
Pineus		
sp.	115*	17*
<i>abietinus</i> Under. & Balch	79*	4*
<i>coloradensis</i> Gill.	37*	4*
<i>floccus</i> Patch	57*	10*
<i>pineoides</i> Chol.	134*	12*
<i>pinifoliae</i> (Fitch)	92*	1*
<i>similis</i> (Gill.)	28*	19*
<i>strobi</i> (Htg.)	38*	16*
sp. undescribed ex <i>Abies amabilis</i>	10*	

APHIDIDAE

Aphis		
<i>maculatae</i> Oestlund	7*	
<i>saliceti</i> Kalt.	26*	
Asiphum		
sp.	6*	
? sp.	4*	
(?) <i>pseudobrysum</i> (Walsh)	7*	
(?) <i>rosettei</i> Maxson	31*	
<i>sacculi</i> Gillette	4*	
<i>tremulae</i> (De Geer)	4*	
Betulaphis		
<i>aureus</i> Richards	5*	
<i>quadrituberculata</i> (Kalt.)	50*	

Species	No. Slides	No. Vials
APHIDIDAE (cont'd.)		
Calaphis betulaecolens (Fitch)	31*	
Chaitophorus		
sp.	1*	
balsamiferinus H.R.L.	12*	
populicola (Thos.) subsp. patchae H.R.L.	13*	
populifolii (Essig) subsp. simpsoni H.R.L.	1*	
stevensis (Sanborn)	1*	
(?) stevensis (Sanborn)	6*	
Cinara		
sp.	8*	
abieticola (Chol.)	49*	
acadiana Hottes	2*	
banksiana P. and T.	40*	
braggii (Gill.)	15*	
carolina Tissot	1*	
coloradensis (Gill.)	7*	
curvipes (Patch)	9*	
fornacula Hottes	3*	
gracilis (Wilson)	13*	
harmonia Hottes	12*	
hottesi (G. and P.)	6*	
laricifex (Fitch)	66*	
sp. nr. palmerae (Gill.)	6*	
pergandei (Wilson)	1*	
pinea (Mordv.)	1*	
pinivora (Wilson)	6*	
spiculosa Brad.	9*	
strobi (Fitch)	55*	
Euceraphis		
sp. nr. betulae L.	20	
deducta Baker	15*	
Hamamelistes spinosus Shimer	38*	
Mindarus abietinus Koch	212*	
Mordvilkoja vagabunda (Walsh)	2*	
Myzus cerasi (Fab.)	20*	
Neoceruraphis viburnicola (Gillette)	5*	
Neoprociphilus attenuatus (Osborne & Sirrene)	11*	
Paraprociphilus tessellata (Fitch)	27*	
Pemphigus populicaulis Fitch	8*	
Periphyllus		
lyropictus (Kessler)	6*	
negundinis (Thos.)	2*	
testudinacea (Ferne)	45*	
Prociphilus sp.	6*	
Schizolachnus		
sp.	7*	
pineti (Fab.)	5*	
piniradiatae (Davidson)	12*	

Species	No. Slides	No. Vials
APHIDIDAE (cont'd)		
<i>Symbobius americanus</i> Baker	4*	
<i>Toxopterella</i> [<i>Sorbobium</i>] <i>drepanosiphoides</i> MacGillivray & Bradley	8*	
CICADELLIDAE		
<i>Alebra albostriella</i> (Fallen)	2*	
<i>Dikrella cruentata</i> (Gill.)	5*	
<i>Empoa latifasciata</i> Christian	1*	
<i>Erythroneura aspera</i> Beamer	1*	
<i>betulaspera</i> R. & V.	10*	
sp.nr. <i>bitincta</i> McAtee	4*	
<i>cornipes</i> Beamer	3*	
<i>parallela</i> McAtee	2*	
<i>sinua</i> Johnson	5*	
<i>spala</i> R. & D.	2*	
<i>Ribautiana foliosa</i> (Knull)	2*	
<i>Typhlocyba hockingensis</i> Knull	3*	
<i>pomaria</i> McAtee	1*	
COCCIDAE		
<i>Abgrallaspis ithicae</i> (Ferris)	8	
<i>Chionaspis furfura</i> (Fitch)		1
<i>Cryptococcus fagi</i> Baer.	2	
<i>Gossyparia spuria</i> Modeer	20	9
<i>Lecanium corni</i> Bouche	153	47
MARGARODIDAE		
<i>Matsucoccus macrocitrices</i> Richards	35	27
<i>Xylococcus</i>		
sp.	24	67
<i>betulae</i> Perg.	12	19