

INSECT PARASITES OF SOME INSECT GALLS  
IN THE FORESTED AREAS OF  
MANITOBA AND SASKATCHEWAN

by

J.C.E. Melvin, H.R. Wong and B.B. McLeod

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## INTRODUCTION

The insects causing some of the more common galls and abnormal plant growths in the forested areas of Manitoba and Saskatchewan (Information Report MS-X-23, Canadian Forestry Service, Winnipeg, Manitoba) contained a number of parasites. These were sent to officers of the Entomological Research Institute for determination and are listed in Table I, which also indicates the order and family of the insect host, and whether the parasite is of common (C), occasional (O) or single (S) occurrence. Table II records the parasite or parasites recovered from each host species reared, the order and family to which the parasite belongs, the plant host, and the location of the gall on the plant.

Table I

Parasitic species	Species	Family	Host Species Order	Abundance*
Amblymerus sp.	<i>Mayetiola rigidae</i> O.S. <i>Pontania</i> sp. <i>Rhabdophaga strobilooides</i> O.S.	Cecidomyidae Tenthredinidae Cecidomyidae	Diptera Hymenoptera Diptera	O S C
Aphanogmus sp.	<i>Rhabdophaga strobilooides</i> O.S.	Cecidomyidae	Diptera	O
Bracon n. sp.	<i>Saperda concolor</i> Lec. <i>Saperda populnea</i> <i>moesta</i> Lec.	Cerambycidae Cerambycidae	Coleoptera Coleoptera	O O
Cecidostiba sp.	<i>Rhabdophaga strobilooides</i> O.S. <i>Mayetiola rigidae</i> O.S. <i>Rhabdophaga</i> sp.	Cecidomyidae Cecidomyidae Cecidomyidae	Diptera Diptera Diptera	S O S
Cirrospilus cinctithorax (Grlt.)	<i>Mayetiola rigidae</i> O.S.	Cecidomyidae	Diptera	S
Closterocerus sp.	<i>Rhabdophaga strobilooides</i> O.S.	Cecidomyidae	Diptera	S
Closterocerus trifasciatus Westwood	<i>Disholcaspis mamma</i> (Cress.)	Cynipidae	Hymenoptera	S
Copidosoma sp.	<i>Rhabdophaga strobilooides</i> O.S. <i>Mayetiola rigidae</i> O.S.	Cecidomyidae Cecidomyidae	Diptera Diptera	S S
Cubucephalus contactus Tow. & Gupta	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	S
Cubucephalus prolixus Tow.	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	O
Dacnusa sp.	<i>Pontania proxima</i> (Lep.)	Tenthredinidae	Hymenoptera	S
Diapriid sp.	<i>Rhabdophaga strobilooides</i> O.S.	Cecidomyidae	Diptera	S
Diglyphus begini (Ashm.)	<i>Eurosta solidaginis</i> Fitch	Tephritidae	Diptera	S

Parasitic species	Host Species			Abundance*
	Species	Family	Order	
<i>Dolichomitus messor perlóngus</i> (Cr.)	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	0
	<i>Saperda populnea</i> <i>moesta</i> Lec.	Cerambycidae	Coleoptera	0
<i>Dolichomitus populneus</i> (Ratz.)	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	0
	<i>Saperda populnea</i> <i>moesta</i> Lec.	Cerambycidae	Coleoptera	0
<i>Dolichomitus sp. nr. messor</i> (Cr.)	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	0
<i>Elasmus atratus</i> How.	<i>Rhabdophaga strobiloídes</i> Cecidomyidae O.S.		Diptera	S
<i>Eudecatoma flava</i> (Ashm.)	<i>Acraspis villosa</i> Gill.	Cynipidae	Hymenoptera	S
<i>Eudecatoma nubilipennis</i> (Nort.)	Cynipid sp.	Cynipidae	Hymenoptera	0
<i>Eudecatoma nubilistigma</i> (Walsh)	<i>Mayetiola rigidae</i> O.S.	Cecidomyidae	Diptera	S
	<i>Rhabdophaga salicis-</i> <i>batates</i> O.S.	Cecidomyidae	Diptera	S
	<i>Rhabdophaga strobiloídes</i> Cecidomyidae O.S.	Cecidomyidae	Diptera	S
<i>Euderus saperdae</i> Miller	<i>Agrilus criddlei</i> Frost	Buprestidae	Coleoptera	S
	<i>Saperda concolor</i> Lec.	Cerambycidae	Coleoptera	0
<i>Eulophus</i> sp.	Cynipid sp.	Cynipidae	Hymenoptera	S
<i>Eurytoma</i> sp.	<i>Andricus</i> sp.	Cynipidae	Hymenoptera	S
	Cynipid sp.	Cynipidae	Hymenoptera	0
	<i>Melanagromyza</i> sp.	Agromyzidae	Diptera	0
	<i>Mayetoila rigidae</i> O.S.	Cecidomyidae	Diptera	0
	<i>Pontania</i> sp.	Tenthredinidae	Hymenoptera	0
	<i>Mayetiola</i> sp.	Cecidomyidae	Diptera	S
	<i>Rhabdophaga strobiloídes</i> Cecidomyidae O.S.	Cecidomyidae	Diptera	S
<i>Eurytoma calcarea</i> Bugbee	<i>Diplolepis radicum</i> Bass.	Cynipidae	Hymenoptera	S
<i>Eurytoma diastrophi</i> Walsh	Cynipid sp.	Cynipidae	Hymenoptera	S
	<i>Pontania</i> sp.	Tenthredinidae	Hymenoptera	0
	<i>Rhabdophaga</i> sp.	Cecidomyidae	Diptera	S

Parasitic species	Host Species			Abundance*
	Species	Family	Order	
Eurytoma nr. diastrophi Walsh	Cynipid sp. Rhabdophaga strobilooides O.S.	Cynipidae Cecidomyidae	Hymenoptera Diptera	O S
Eurytoma gigantea Walsh	Eurosta solidaginis Fitch	Tephritidae	Diptera	S
Eurytoma levo Bugbee	Xyelid sp.	Xyelidae	Hymenoptera	S
Eurytoma querci-globuli (Fitch)	Disholcaspis poss. mamma (Cress.) Melanagromyza sp.	Cynipidae Agromyzidae	Hymenoptera Diptera	S S
Eurytoma spongiosa Bugbee	Diplolepis bicolor Harv.	Cynipidae	Hymenoptera	S
Eurytoma nr. tumoris Bugbee	Xyelid sp.	Xyelidae	Hymenoptera	S
Eurytoma tylodermatis Ashm.	Cecidomyiid sp.	Cecidomyidae	Diptera	S
Eutheresia sp.	Saperda populnea moesta Lec.	Tachinidae	Diptera	C
Exeristes sp.	Saperda populnea moesta Lec.	Ichneumonidae	Hymenoptera	O
Gastrancistrus sp.	Rhabdophaga strobilooides O.S.	Cecidomyidae	Diptera	O
Habrocytus sp.	Diplolepis bicolor Harv. Mayetiola rigidae O.S. Rhabdophaga sp.	Cynipidae Cecidomyidae Cecidomyidae	Hymenoptera Diptera Diptera	S O O
Habrocytus rosa Grlt.	Diplolepis sp.	Cynipidae	Hymenoptera	S
Hyssopus sp.	Cynipid sp. Rhabdophaga strobilooides O.S.	Cynipidae Cecidomyidae	Hymenoptera Diptera	S S
Metaphycus sp.	Mayetiola rigidae O.S.	Cecidomyidae	Diptera	S
Meteorus n. sp.	Saperda concolor Lec.	Cerambycidae	Coleoptera	O
Meteorus tibialis Mues.	Saperda concolor Lec.	Cerambycidae	Coleoptera	S

Parasitic species	Host Species				Abundance*
	Species	Family	Order		
<i>Necremnus</i> sp. nr. <i>oregonensis</i> Gahan	<i>Pontania proxima</i> (Lep.) <i>Pontania</i> sp.	Tenthredinidae Tenthredinidae	Hymenoptera Hymenoptera	S O	
<i>Odinia boletina</i> (Zett.)	<i>Saperda concolor</i> Lec. <i>Saperda populnea moesta</i> Lec.	Cerambycidae Cerambycidae	Coleoptera Coleoptera	C C	
<i>Ormyrus</i> sp.	<i>Andricus</i> sp.	Cynipidae	Hymenoptera	S	
<i>Parapsilophrys</i> n. sp.	<i>Rhabdophaga strobilooides</i> O.S.	Cecidomyiidae	Diptera	S	
<i>Pediobius</i> nr. <i>wilderi</i> (How.)	<i>Mayetiola rigidae</i> O.S.	Cecidomyiidae	Diptera	S	
<i>Platygaster</i> sp.	<i>Mayetiola rigidae</i> O.S. <i>Rhabdophaga strobilooides</i> O.S.	Cecidomyiidae Cecidomyiidae	Diptera Diptera	C S	
<i>Pteromalid</i> sp.	<i>Neuroterus</i> sp. Cynipid sp. <i>Rhabdophaga</i> sp. <i>Mayetiola rigidae</i> O.S.	Cynipidae Cynipidae Cecidomyiidae Cecidomyiidae	Hymenoptera Hymenoptera Diptera Diptera	S S S O	
<i>Rhoptromeris</i> sp.	<i>Rhabdophaga strobilooides</i> O.S.	Cecidomyiidae	Diptera	S	
<i>Sphegigaster</i> sp.	<i>Xyelid</i> sp. <i>Melanagromyza</i> sp. Cynipid sp. <i>Mayetiola rigidae</i> O.S.	Xyelidae Agromyzidae Cynipidae Cecidomyiidae	Hymenoptera Diptera Hymenoptera Diptera	S C C S	
<i>Syntomopus</i> sp.	Cynipid sp.	Cynipidae	Hymenoptera	O	
<i>Syntomopus americanus</i> Ashm.	Cynipid sp. <i>Melanagromyza</i> sp.	Cynipidae Agromyzidae	Hymenoptera Diptera	C O	
<i>Syntomosphyrum erurus</i> (Riley)	Cynipid sp.	Cynipidae	Hymenoptera	S	ur
<i>Tetrastichus</i> sp.	<i>Melanagromyza</i> sp. Cynipid sp. <i>Mayetiola rigidae</i> O.S. <i>Rhabdophaga</i> sp. <i>Rhabdophaga strobilooides</i> O.S.	Agromyzidae Cynipidae Cecidomyiidae Cecidomyiidae Cecidomyiidae	Diptera Hymenoptera Diptera Diptera Diptera	O S S S O	

Parasitic species	Host Species			Order	Abundance*
	Species	Family			
Tetrastichus nr. faustus Burks.	Rhabdophaga strobilooides O.S.	Cecidomyidae		Diptera	S
Tetrastichus nr. hibus Burks.	Disholcaspis mamma (Cress.)	Cynipidae		Hymenoptera	S
Tetrastichus nr. neuroteri (Ashm.)	Cynipid sp.	Cynipidae		Hymenoptera	S
Tetrastichus nr. scriptus Burks.	Saperda concolor Lec.	Cerambycidae		Coleoptera	S
Tetrastichus nr. sobrius Gahan	Cynipid sp. Melanagromyza sp.	Cynipidae Agromyzidae		Hymenoptera Diptera	S O
Torymus sp.	Cynipid sp. Contarinia virginianiae (Felt) Mayetiola rigidae O.S. Pontania sp. Rhabdophaga sp. Rhabdophaga strobilooides O.S.	Cynipidae Cecidomyidae Cecidomyidae Tenthredinidae Cecidomyidae Cecidomyidae		Hymenoptera Diptera Diptera Hymenoptera Diptera Diptera	O S C S O C
Torymus bedeguaris (L.)	Diplolepis sp. Diplolepis radicum Bass.	Cynipidae Cynipidae		Hymenoptera Hymenoptera	S O
Torymus longistigma (Huber)	Rhabdophaga sp. Mayetiola sp. Mayetiola rigidae O.S. Rhabdophaga strobilooides O.S.	Cecidomyidae Cecidomyidae Cecidomyidae Cecidomyidae		Diptera Diptera Diptera Diptera	S S C C
Torymus strobilooides (Huber)	Rhabdophaga strobilooides O.S. Mayetiola rigidae O.S.	Cecidomyidae Cecidomyidae		Diptera Diptera	O O
Tridymus sp.	Mayetiola rigidae O.S. Rhabdophaga sp. Rhabdophaga strobilooides O.S.	Cecidomyidae Cecidomyidae Cecidomyidae		Diptera Diptera Diptera	O S C
Xylophrurus bicolor bicolor (Cush.)	Saperda populnea moesta Lec.	Cerambycidae		Coleoptera	O

Parasitic species	Host Species			Abundance*
	Species	Family	Order	
	Saperda concolor Lec.	Cerambycidae	Coleoptera	O
Zatropis catalpae (Cwf.)	Contarinia negundifolia (Felt)	Cecidomyidae	Diptera	S
Zatropis sp.	Contarinia virginianiae (Felt)	Cecidomyidae	Diptera	S

\*

C = common

O = occasional

S = single record

Table II

Insect Host	Species	Parasite Family	Order	Plant Host	Location of gall on plant
Acraspis villosa Gill.	Eudecatoma flava (Ashm.)	Eurytomidae	Hymenoptera	Quercus macrocarpa	stem
Andricus sp.	Eurytoma sp.	Eurytomidae	Hymenoptera		leaves stem
	Ormyrus sp.	Ormyridae	Hymenoptera		
Cecidomyid sp.	Eurytoma tylodermatis Ashm.	Eurytomidae	Hymenoptera		leaves
Cynipid sp.	Torymus sp.	Torymidae	Hymenoptera		leaves
Diplolepis sp.	Torymus bedeguaris (L.)	Torymidae	Hymenoptera		stem
Disholcaspis mamma (Cress.)	Tetrastichus hibus Burks	Eulophidae	Hymenoptera		stem
	Closterocerus trifasciatus Westwood	Eulophidae	Hymenoptera		stem
Disholcaspis poss. mamma (Cress.)	Eurytoma querci-globuli (Fitch)	Eurytomidae	Hymenoptera		stem
Neuroterus sp.	Pteromalid sp.	Pteromalidae	Hymenoptera		leaves
Contarinia negundifolia Felt	Zatropis catalpae (Cwf.)	Pteromalidae	Hymenoptera	Acer negundo L.	leaves
Diplolepis sp.	Habrocytus rosa Grlt.	Pteromalidae	Hymenoptera	Rosa spp.	stem
Diplolepis bicolor Harr.	Eurytoma sp.	Eurytomidae	Hymenoptera		stem
	Habrocytus sp.	Pteromalidae	Hymenoptera		
	Eurytoma spongiosa Bugbee	Eurytomidae	Hymenoptera		
Diplolepis radicum Bass.	Torymus bedeguaris (L.)	Torymidae	Hymenoptera		root
	Eurytoma calcarea	Eurytomidae	Hymenoptera		root
	Bugbee				
Rhabdophaga sp.	Torymus longistigma (Huber)	Torymidae	Hymenoptera		leaves

Insect Host	Species	Parasite Family	Order	Plant Host	Location of gall on plant
<i>Contarinia virginianiae</i> (Felt)	<i>Zatropis</i> sp.	Pteromalidae	Hymenoptera	<i>Prunus virginiana</i> L.	fruit
Xyelid sp.	Eurytoma nr. <i>tumoris</i> Bugbee	Eurytomidae	Hymenoptera	<i>Pinus banksiana</i> Lamb.	stem
	<i>Eurytoma levo</i> Bugbee	Eurytomidae	Hymenoptera		stem
	<i>Sphegigaster</i> sp.	Pteromalidae	Hymenoptera		stem
Cynipid sp.	<i>Eurytoma</i> sp.	Eurytomidae	Hymenoptera	<i>Populus tremuloides</i> Michx.	stem
	<i>Tetrastichus</i> nr. <i>sobrius</i> Gahan	Eulophidae	Hymenoptera		stem
	<i>Tetrastichus</i> nr. <i>neuroteri</i> (Ashm.)	Eulophidae	Hymenoptera		stem
	<i>Pteromalid</i> sp.	Pteromalidae	Hymenoptera		stem
	<i>Syntomopus</i> sp.	Pteromalidae	Hymenoptera		stem
	<i>Sphegigaster</i> sp.	Pteromalidae	Hymenoptera		stem
	<i>Syntomopus americanus</i> Ashm.	Pteromalidae	Hymenoptera		stem
	<i>Eurytoma diastrophi</i> Walsh.	Eurytomidae	Hymenoptera		stem
Melanagromyza sp.	<i>Eurytoma</i> sp.	Eurytomidae	Hymenoptera		stem
	<i>Eurytoma querci-globuli</i> (Fitch)	Eurytomidae	Hymenoptera		stem
	<i>Tetrastichus</i> sp.	Eulophidae	Hymenoptera		stem
	<i>Tetrastichus</i> nr. <i>sobrius</i> Gahan	Eulophidae	Hymenoptera		stem
	<i>Syntomopus americanus</i> Ashm.	Pteromalidae	Hymenoptera		stem
	<i>Sphegigaster</i> sp.	Pteromalidae	Hymenoptera		stem
Saperda populnea moesta Lec.	<i>Dolichomitus messor</i> <i>perlongus</i> (Cr.)	Ichneumonidae	Hymenoptera	<i>Populus balsamifera</i> L.	stem
	<i>Dolichomitus populneus</i> (Ratz.)	Ichneumonidae	Hymenoptera		stem
	<i>Exeristes</i> sp.	Ichneumonidae	Hymenoptera		stem
	<i>Xylorrhurus bicolor</i> <i>bicolor</i> (Cush.)	Ichneumonidae	Hymenoptera		stem
	<i>Bracon</i> n. sp.	Braconidae	Hymenoptera		stem
	<i>Odinia boletina</i> (Zett.)	Odiniidae	Diptera		stem
	<i>Eutheresia</i> sp.	Tachinidae	Diptera		stem
	<i>Lixophaga plumbea</i> Ald.	Tachinidae	Diptera		stem

Insect Host	Species	Parasite Family	Order	Plant Host	Location of gall on plant
Pontania proxima (Lep.)	Dacnusa sp.	Braconidae	Hymenoptera	Salix alba var. vitellina (L.) Stokes	leaves
	Necremnus sp. nr. oregonensis Gahan	Eulophidae	Hymenoptera		leaves
Agrius criddlei Frost	Euderus saperdae Miller	Eulophidae	Hymenoptera	Salix bebbiana Sarg.	stem
Cynipid sp.	Eurytoma diastrophi Walsh.	Eurytomidae	Hymenoptera	Salix spp.	stem
	Eudecatoma nubilipennis (Nort.)	Eurytomidae	Hymenoptera		stem
	Torymus sp.	Torymidae	Hymenoptera		stem
	Eurytoma sp.	Eurytomidae	Hymenoptera		stem
	Eulophus sp.	Eulophidae	Hymenoptera		stem
	Hyssopus sp.	Eulophidae	Hymenoptera		stem
	Syntolmopus americanus Ashm.	Pteromalidae	Hymenoptera		stem
	Eurytoma sp. nr. diastrophi Walsh	Eurytomidae	Hymenoptera		stem
	Syntomosphyrum erusus (Riley)	Eulophidae	Hymenoptera		stem
	Tetrastichus sp.	Eulophidae	Hymenoptera		stem
Mayetiola sp.	Torymus longistigma (Huber)	Torymidae	Hymenoptera		stem
Mayetiola rigidae O.S.	Torymus longistigma (Huber)	Torymidae	Hymenoptera		stem
	Torymus strobilooides (Huber)	Torymidae	Hymenoptera		stem
	Habrocytus sp.	Pteromalidae	Hymenoptera		stem
	Eurytoma sp.	Eurytomidae	Hymenoptera		stem
	Amblymerus sp.	Pteromalidae	Hymenoptera		stem
	Tridymus sp.	Pteromalidae	Hymenoptera		stem
	Cecidostiba sp.	Pteromalidae	Hymenoptera		stem
	Eudecatoma nubilis-tigma (Walsh)	Eurytomidae	Hymenoptera		stem
	Tetrastichus sp.	Eulophidae	Hymenoptera		stem
	Cirrospilus cinctithorax (Grlt.)	Eulophidae	Hymenoptera		stem
	Torymus sp.	Torymidae	Hymenoptera		stem
	Platygaster sp.	Plastygasteridae	Hymenoptera		stem

Insect Host	Species	Parasite	Plant Host	Location of gall on plant
		Family	Order	
	<i>Metaphycus</i> sp.	Encyrtidae	Hymenoptera	
	<i>Sphegigaster</i> sp.	Pteromalidae	Hymenoptera	
	<i>Pediobius</i> nr. <i>wilderi</i> (How.)	Eulophidae	Hymenoptera	
	<i>Copidosoma</i> sp.	Encyrtidae	Hymenoptera	stem
<i>Pontania</i> sp.	<i>Torymus</i> sp.	Torymidae	Hymenoptera	
	<i>Eurytoma diastrophi</i> Walsh	Eurytomidae	Hymenoptera	leaves
	<i>Eurytoma</i> sp.	Eurytomidae	Hymenoptera	leaves
	<i>Amblymerus</i> sp.	Pteromalidae	Hymenoptera	leaves
	<i>Necremnus</i> nr. <i>oregonensis</i> Gahan	Eulophidae	Hymenoptera	leaves
	<i>Eurytoma</i> sp.	Eurytomidae	Hymenoptera	stem
<i>Rhabdophaga</i> sp.	<i>Cecidostiba</i> sp.	Pteromalidae	Hymenoptera	stem
	<i>Tetrastichus</i> sp.	Eulophidae	Hymenoptera	stem
	<i>Torymus</i> sp.	Torymidae	Hymenoptera	stem
	<i>Pteromalid</i> sp.	Pteromalidae	Hymenoptera	stem
	<i>Habrocytus</i> sp.	Pteromalidae	Hymenoptera	stem
	<i>Tridymus</i> sp.	Pteromalidae	Hymenoptera	stem
	<i>Eurytoma diastrophi</i> Walsh	Eurytomidae	Hymenoptera	stem
<i>Rhabdophaga salicisbatates</i> O.S.	<i>Eudecatoma nubilis-tigma</i> (Walsh)	Eurytomidae	Hymenoptera	stem
<i>Rhabdophaga strobilooides</i> O.S.	<i>Torymus strobilooides</i> (Huber)	Torymidae	Hymenoptera	leaves
	<i>Torymus</i> sp.	Torymidae	Hymenoptera	leaves
	<i>Tridymus</i> sp.	Pteromalidae	Hymenoptera	leaves
	<i>Gastrancistrus</i> sp.	Pteromalidae	Hymenoptera	leaves
	<i>Diapriid</i> sp.	Diapriidae	Hymenoptera	leaves
	<i>Closterocerus</i> sp.	Eulophidae	Hymenoptera	leaves
	<i>Amblymerus</i> sp.	Pteromalidae	Hymenoptera	leaves
	<i>Tetrastichus</i> sp.	Eulophidae	Hymenoptera	leaves
	<i>Tetrastichus</i> nr. <i>faustus</i> Burks.	Eulophidae	Hymenoptera	leaves
	<i>Aphanogmus</i> sp.	Ceraphronidae	Hymenoptera	leaves
	<i>Cecidostiba</i> sp.	Pteromalidae	Hymenoptera	leaves
	<i>Eurytoma</i> nr. <i>diastrophi</i> Walsh	Eurytomidae	Hymenoptera	leaves

Insect Host	Species	Parasite Family	Order	Plant Host	Location of gall on plant
	<i>Eudecatoma nubilipennis</i> (Walsh)	Eurytomidae	Hymenoptera	<i>Salix</i> spp.	leaves
	<i>Eurytoma</i> sp.	Eurytomidae	Hymenoptera		leaves
	<i>Rhopstromeris</i> sp.	Cynipidae	Hymenoptera		leaves
	<i>Elasmus atratus</i> How.	Elasmidae	Hymenoptera		leaves
	<i>Copidosoma</i> sp.	Encyrtidae	Hymenoptera		leaves
	<i>Hyssopus</i> sp.	Eulophidae	Hymenoptera		leaves
	<i>Parapsilophrys</i> sp.	Encyrtidae	Hymenoptera		leaves
	<i>Platygaster</i> sp.	Platygastridae	Hymenoptera		leaves
<i>Saperda concolor</i> Lec.	<i>Cubucephalus contactus</i> Tow. & Gupta	Ichneumonidae	Hymenoptera		stem
	<i>Cubucephalus prolixus</i> Tow.	Ichneumonidae	Hymenoptera		stem
	<i>Dolichomitus messor perlóngus</i> (Gr.)	Ichneumonidae	Hymenoptera		stem
	<i>Dolichomitus populneus</i> (Ratz.)	Ichneumonidae	Hymenoptera		stem
	<i>Dolichomitus</i> sp. nr. <i>messor</i> (Cr.)	Ichneumonidae	Hymenoptera		stem
	<i>Xylophrurus bicolor</i> bicolor (Cush.)	Ichneumonidae	Hymenoptera		stem
	<i>Bracon</i> n. sp.	Braconidae	Hymenoptera		stem
	<i>Meteorus</i> n. sp.	Braconidae	Hymenoptera		stem
	<i>Meteorus tibialis</i> Mues.	Braconidae	Hymenoptera		stem
	<i>Euderus saperdae</i> Miller	Eulophidae	Hymenoptera		stem
	<i>Tetrastichus</i> nr. <i>scriptus</i> Burks.	Eulophidae	Hymenoptera		stem
	<i>Odinia boletina</i> (Zett.)	Odiniidae	Diptera		stem
<i>Eurosta solidaginis</i> Fitch	<i>Diglyphus begini</i> (Ashm.)	Eulophidae	Hymenoptera		stem
	<i>Eurytoma gigantea</i> Walsh	Eurytomidae	Hymenoptera		stem