

CHECK LIST  
OF INSECTS  
OF  
GREAT SMOKY MOUNTAINS  
NATIONAL PARK  
1957

Compiled by  
Dr. Karl D. Snyder  
Montreat College  
Montreat, N. C.

## INTRODUCTION

The following is a list of insects reported collected in or immediately outside the Great Smoky Mountains National Park. Almost half of these species are represented by specimens in the insect collection at Park Headquarters. Other sources of information are letters and lists in the files of the Park Naturalist at Park Headquarters, and species listed in Brimley's "Insects of North Carolina" and its two supplements. In the latter publication, insects listed as "state-wide", or "in the mountain region" were considered as occurring in the Park.

All genera are arranged as nearly as possible in the same order as those listed in "Insects of North Carolina". Species are listed alphabetically under genera. Those not in this book have been placed in the proper position, with the kind assistance of Dr. David L. Wray, Curator of Insects at the North Carolina State Museum. Species not in phylogenetic order have been indicated by an asterisk (\*).

The letters and numbers following each species indicate the source of information according to a key which accompanies this list.

The following is a summary of insect groups in this list:

| Order        | Families | Genera | Species |
|--------------|----------|--------|---------|
| Thysanura    | 2        | 2      | 3       |
| Orthoptera   | 7        | 51     | 97      |
| Isoptera     | 1        | 1      | 2       |
| Neuroptera   | 7        | 10     | 13      |
| Ephemera     | 3        | 11     | 39      |
| Odonata      | 4        | 26     | 39      |
| Plecoptera   | 5        | 19     | 38      |
| Corrodentia  | 2        | 8      | 14      |
| Mallophaga   | 1        | 1      | 1       |
| Thysanoptera | 1        | 2      | 2       |
| Hemiptera    | 18       | 95     | 141     |
| Homoptera    | 9        | 95     | 156     |
| Dermaptera   | 1        | 1      | 1       |
| Coleoptera   | 48       | 374    | 657     |
| Strepsiptera | 2        | 2      | 4       |
| Mecoptera    | 1        | 2      | 10      |
| Trichoptera  | 10       | 23     | 30      |
| Lepidoptera  | 28       | 142    | 226     |
| Diptera      | 43       | 253    | 521     |
| Siphonaptera | 3        | 5      | 9       |
| Hymenoptera  | 39       | 232    | 659     |
| TOTAL        |          |        |         |
| 21 Orders    | 235      | 1405   | 2662    |

## KEY TO REFERENCES

- a. In Great Smoky Mountains National Park Insect Collection at Park Headquarters.
- b. Listed in Brimley's "Insects of North Carolina" (1938, or the 1942 or 1950 supplements).
- \* Not in phylogenetic order

The following are letters and special records on file in the office of the Park Naturalist at Park Headquarters:

- 1-15 Letters from R. R. Dreisbach, each marked with the same number that appears in this list.
- 16. List of Orthoptera of the Great Smoky Mountains National Park dated 12/20/37.
- 17. List of Lepidoptera collected in Park, from W. F. Hondorson 9/21/39.
- 18. Some August Skippers of the GSMNP and Vicinity--J. R. Watson.
- 19. Butterflies of the GSMNP 1936--Evans and Seibert.
- 20. Ants of the GSMNP 10/30/40--Talbot.
- 21. Leafhoppers of GSMNP, June 1942.
- 22. Pentatomidae of GSMNP, August-September 1936--Ruckes.
- 23. See reference 45 below, under Publications.
- 24. Two Park lists of Beetles of GSMNP, mostly in Park Collection.
- 25. Syrphidae from GSMNP in University of Tennessee Collection--Cloyd.
- 26. Check List of the Ants of GSMNP 1940-1950--Cole & Pfitzer.
- 27. Letter from Herbert F. Schwartz, American Museum of Natural History, dated 10/13/36 (Miscellaneous Insects).
- 28. Excerpt from a paper delivered before the Tennessee Academy of Science by D. W. Pfitzer, 12/8/50 (Siphonaptera).
- 29. Letter from H. V. Wooms Jr. on Syrphidae of GSMNP, 2/15/53.
- 30. Letter from J. Gordon Edwards, San Jose State College on Coleoptera 1/2/51.
- 31. From a paper presented by A. C. Cole at a Symposium of the Tennessee Academy of Science at Knoxville. Miscellaneous Insects. 5/6/38.
- 32. Asilidae of GSMNP, sent by Roberts M. Goslin, Ohio State Museum, 9/12/49.
- 33, 33a, and 33b. Letters from Gordon R. Mainland, University of Texas dated 10/7/41, 5/16/42, and 9/8/38 (Drosophilidae of GSMNP).

Reprints of the following articles are on file in the Office of the Park Naturalist at Park Headquarters, Great Smoky Mountains National Park:

34. American Midland Naturalist, Vol. 19-1, pp. 238-288.
35. Vol. 26-1, pp. 175-176.
36. Vol. 26-2 (Tipulidae)
37. Annals of the Entomological Society of America, Vol. 32-1.
38. Vol. 35-4.
39. Bulletin of the Brooklyn Entomological Society, Vol. 42-1.
40. Illinois Natural History Survey Bulletin, Vol. 22, pp. 247-345.
41. Entomological News, Vol. 58, 1947.
42. Journal of the Elisha Mitchell Society, Vol. 47-1, pp. 163-227.
43. Vol. 48-2.
44. Vol. 52-2.
45. Vol. 53-1 (listed under #23)
46. Vol. 55-2.
47. Vol. 57-2.
48. Journal of the Tennessee Academy of Science, Vol. 12-1.
49. Vol. 16-4.
50. Journal of the Junior Society of Natural Sciences, Cincinnati, Vol. 2-1, 1931.
51. Ohio Journal of Science, Vol. 45-3, p. 104.
52. Proceedings of the U. S. National Museum, Vol. 84, #3013, p. 221.
53. University of Michigan, Occasional Papers, #288.
54. University of Texas Publication 4213.

INSECTS OF THE  
GREAT SMOKY MOUNTAINS  
NATIONAL PARK  
1957

Thysanura

Machilidae

Machilis sp. (31)

Lepismidae

Lepisma saccharina L. (b)

Lepisma sp. (31)

don't count

Orthoptera

\* *Metalepta brevicornis* (Johannson) (3, 16)

Blattidae

*Blatella germanica* L. (b)

*Blatta orientalis* L. (b)

*Periplaneta americana* L. (b)

*Cryptocerus punctulatus* Sc. (a, b)

Mantidae

*Stagomantis carolina* Linn. (a, b)

Phasmidae

*Diapheromera femorata* Say (a, b, 3, 16)

*Anisomorpha ferruginae* Beauv. (a, b, 16)

Tettigoniidae

*Scudderia curvicauda* Deg. (a, b)

S. *fasciata* Beutenmuller (16)

S. *furcata* (a, b, 16)

S. *septentrionalis* Serv. (b)

S. *texensis* Sauss-Pict. (b, 16)

*Amblycorypha rotundifolia* Sc. (a, b, 16)

A. *uhleri* Burm. (a, b, 16)

*Microcentrum retinerve* Riley (a, b, 16)

M. *rhombifolium* Sauss. (a, b, 16)

*Pyrogocorypha uncinata* Harr. (a, b, )

*Neconocephalus exiliscanorus* Davis (b)

N. *retusus* Sc. (b, 16)

N. *triops* Linn. (a, b)

*Orchelimum bullatum* R. and H. (b)

O. *vulgare* Sc. (b, 16)

*Conocephalus allardi* (Caudell) (a, 16)

C. *brevipennis* Sc. (b, 16)

G. *fasciatus* Deg. (b, 16)

G. *nemoralis* (b, 16)

*Atlanticus americanus* Sauss. (a, b, 16)

A. *monticola* Davis (a, b)

*Camptonotus carolinensis* Gersy (b)

*Hadenocetus puteanus* Sc. (a, b)

*Ceuthophilus brevipes* Sc. (b)

C. *gracilipes* Hald. (a, b)

C. *nigricans* Sc. (b)

C. *uhleri* Sc. (b)

Gryllidae

- Gryllotalpa hexadactyla Pert. (a, b)
- Ellipes minuta Sc. (b)
- Myrmecophila pergandei Brunn. (b)
- Nemobius carolinus Sc. (b, 16)
- N. confusus Bl. (b, 16)
- N. fasciatus fasciatus Deg. (a, b)
- N. fasciatus soicus Sc. (b)
- N. fasciatus tinnulus Fulton (b, 16)
- N. maculatus Bl. (b, 16)
- Gryllus assimilis Burm. (a, b, 3, 16)
- Oecanthus angustipennis Fitch (a, b, 16)
- O. latipennis Riley (a, b, 16)
- O. nigricornis Wlk. (b)
- O. quadripunctatus Beutl. (a, b)
- Neoxabea bipunctata Deg. (b)
- Anaxipha exigua (b, 16)
- \* Phyllopelpus pulchellus Uhler (16)
- \* Cyrtoxipha columbiana Caudell (16)

Acridiidae

- \* Trachyrhachis kiowa fuscifrons (Stal)(a, 16)
- \* Syrbula admirabilis (Uhler) (16)
- Eritettix simplex Sc. (a, b)
- Orphulella pelidna Burm. (b, 16)
- Chorthippus curtipennis Harr. (b)
- Arphia sulphurea Fab. (a, b, 3)
- A. xanthoptera Germ. (b, 16)
- Chorthippa viridifasciata Deg. (a, b, 3, 16)
- Hippiscus apiculatus Harr. (b)
- H. phoenicopterus Germ. (b)
- H. rugosus Sc. (a, b, 16)
- Dissosteira carolina Linn. (a, b, 3)
- Spharagemon bolli Sc. (a, b, 3, 16)
- Trimerotropis citrina Sc. (b)
- T. saxatilis McN. (a, b)
- Schistocerca americana Dr. (a, b, 16)
- S. damnifica damnifica Sauss. (a, b)
- Dendrotettix australis Morse (b)
- \* Paradalophora apiculata (Harris) (a)
- \* P. phoenicoptera (Burm.) (a)
- \* Zubovskya glacialis variegata (Sc.) (a, 3, 16)
- Melanoplus atlantis Riley (b)
- M. bivittatus Say (a, b, 3)
- M. cherokee Heb. (a, b)
- M. deceptus Morse (a, b, 3)
- M. decoratus Morse (b, 3, 16)
- M. differentialis Th. (a, b, 3)
- M. divergens Morse (a, b, 16)
- M. femur-rubrum DeG. (a, b)
- M. keeleri luridus Dodge (a, b, 3, 16)
- \* M. mexicanus Sauss (a, 3, 16) (same as Paratettix mexicanus Hanc.) ?
- M. punctulatus punctulatus Uhl. (b, 16)
- M. tribulus Morse (a, b, 16)
- M. walshi Sc. (a, b, 16)

Acrydiidae

- Nomotettix cristatus compressus Morse (b)
- N. cristatus cristatus Sc. (a, b, 16)
- Acrydium arenosum arenosum Burm. (b)
- A. arenosum angustum Hanc. (a, b, 3)
- A. ornatum ornatum Say (b)
- Neotettix femoratus Sc. (b, 3)
- N. proavus R. and H. (b)
- Paratettix culcullatus Burm. (b)
- Tettigidea lateralis Say (a, b)

Isoptera

Termitidae

- Reticulitermes virginicus Bks. (b) > *don't record*
- \* 1 specimen, unidentified (a)

Neuroptera

Sialidae

- Chauliodes fasciatus Wlk. (b)
- Corydalis cornuta Linn. (a, b, 1)
- Sialis infumata Newm. (b)
- \* Nigronia serricornis Say (a, 12, 13)

Hemerobiidae

- Micromus posticus Walsh. (b, 13)
- 1 specimen, unidentified (a)

Polystoechotidae

- Polystoechotes punctatus Fab. (b)

Chrysopidae

- Chrysopa oculata Say (b)
- C. rufilabris Burm. (b)

Myrmeleonidae

- Myrmeleon immaculata DeG. (b)
- 1 specimen, unidentified (31)

Ascalaphidae

- Uloides sp. (a)

Coniopterygidae

- 1 specimen, unidentified (a)

Ephemerida

Ephemeridae

- Ephemerella blanda Tr. (b, 23)
- E. guttulata Pictet. (b, 23)

Heptageniidae

- Stenonema carolina Bks. (b, 43, 47, 49)
- S. ithaca Clem. (b, 43, 49)
- S. pudicum Hagen (b, 43)
- S. spp. (47, 49)
- Heptagenia julia Tr. (b, 49)
- H. junco McD. (b, 23)
- H. marginalis Bks. (b, 43, 49)
- H. thetis Ndhm. (b, 23, 47)
- Rhithrogena amica Tr. (b, 23)
- R. fuscifrons Tr. (b, 47, 49)
- R. sp. (43)

- Iron confusus Tr. (b, 23)
- I. dispar Tr. (b, 23, 49)
- I. rubidus Tr. (b, 49)
- I. sp. (23)
- I. subpallidus Tr. (b, 47, 49)

Baetidae

- Isonychia sadleri Tr. (b)
- Paraleptophlebia adoptiva McD. (b, 47, 49)
- P. swannanoa Tr. (b, 49)
- Blasturus - 2 spp. (23)
- Ephemerella catawba Tr. (b, 23, 42)
- E. cherokee Tr. (b, 23)
- E. conestee Tr. (b, 47)
- E. cornuta Morgan (b, 42)
- E. cornutella McD. (b, 23, 42, 49)
- E. deficiens Morgan (b, 42)
- E. funeralis McD. (b, 23)
- E. longicornis Tr. (b, 47, 49)
- E. near simplex McD. (b, 42)
- E. rotunda Morgan (b, 23)
- E. serricoides McD. (b)
- E. sp. (23)
- E. temporalis McD. (b, 23)
- E. tuberculata Morgan (42)
- Baetis sp. (23)
- Pseudocleon carolina Bks. (b, 23, 42, 47, 49)

Odonata

Aeschnidae

- Tachopteryx thoreyi Hagen (a, b)
- Cordulegaster diastatops Selys (a, b)
- Lanthus albistylus Hagen (b)
- Gomphus exilis Selys. (a, b, 48, 53)
- G. laurae Selys. (48)
- G. lividus Selys (b)
- G. plagiatus Selys. (b, 43)
- G. scudderi Selys. (b, 53)
- G. spiniceps Walsh. (b)
- \* Ereptogomphus designatus Hagen (48) (Family Gomphidae)
- Boyeria grafiana Wmsn. (b)
- B. vinosa Say (b, 48)
- Basiaeschna janata Say (b)
- Anax junius Drury (a, b)
- Aeschna umbrosa Wlkr. (b)
- Epiaeschna heros Fab. (a, b)

Libellulidae

- Macromia allegheniensis Wmsn. (b)
- M. illinoiensis Walsh (b)
- Epicordulia regina (a)
- Libellula cyanea Fab. (a, b)
- L. pulchella Drury (a, b)
- L. semifasciata Burm. (a, b)
- Platthemis lydia Drury (a, b)
- Erythemis simplicicollis Say (a, b)

*Sympetrum ambiguum* Rambur (a, b)  
S. *rubicundulum* (a, 48)  
*Pachydiplax longipennis* Burm. (a, b)  
*Celithemis elisa* Hagen (a, b)  
*Tramea carolina* L. (b)

Agrionidae

*Agrion maculatum* Beauv. (a, b)  
*Hetaerina americana* Fab. (b, and some other Park record?) (48?)

Coenagrionidae

*Argia apicalis* Say (b)  
A. *moesta putrida* Hagen (b)  
A. *tibialis* Rambur. (b)  
*Enallagma aspersum* Hagen (b, 48)  
*Amphiagrion saucium* Burm. (b)  
*Ischnura posita* Hagen (b)  
I. *verticalis* Say (b, 4)  
*Anomalagrion hastatum* Say (b)

Plecoptera

\* Capniidae

\* *Capnia opis* (Newman) (40)  
\* *Allocaupnia pygmaea* (Burm.) (40)  
\* A. *rickeri* Frisson (40)  
\* A. *vivipara* (Claassen) (40)

Perlidae

\* *Togoperla immarginata* (Say) (49)  
\* *Neophasganophora capitata* (Pictet) (49)  
\* *Hastaperla brevis* (Banks) (40)  
\* *Diploperla arinae* Frison (40)  
\* D. *bilobata* (Needham & Claassen) (40)  
\* D. *bulbosa* Frison (40)  
\* *Brachyptera limata* Frison (40)  
\* B. *pacifica* (Banks) (40)  
*Perla hastata* (Bks.) (b, 49)  
*Alloperla nannina* Bks. (b, 40)  
A. *neglecta* Frison (b, 40)  
*Chloroperla terna* Frison (40)  
*Neoperla clymene* Newm. (b, 5)  
*Isoperla dicala* Frison (40)  
I. *holochlora* (Klapalek) (40)  
I. *lata* Frison (40)  
I. *ornata* Frison (40)  
I. *similis* (Hagen) (40)  
*Perlesta decipiens* Walsh (12, 13)  
P. *frisoni* Banks (5)  
P. *placida* Hagen (b, 40, 49)  
*Peltoperla arcuata* Newm. (b)  
P. *zipha* Frison (40)  
*Acroneuria abnormis* Newm. (b, 49)  
A. *arida* Hagen (b, 40)  
A. *carolinensis* Bks. (b, 40)  
A. *filicis* Frisson (40)  
A. *georgiana* Bks. (b, 40)  
A. *mela* Frisson (40)  
A. *xanthenes* Newm. (b, 40, 49)

Nomouridae (Leuctridae ?)

- Leuctra alexanderi Hanson (35)
- L.       decepta Claassen (40)
- L.       monticola Hanson (35)
- L.       nephophila Hanson (35)
- L.       tenuis Pictet (b, 40)
- \* Megaleuctra williamsae Hanson (35)

\* Molannidae

- Molanna sp. (b supplement 2, 31)

\* Goeridae

- Goera sp. (b supplement 2, 31)

Corrodontia

Psocidae

- \* Amphigerontia bifasciata (Latr.) (a, 3)
- \* Anomopsocis amabilis (a)
- \* Psococerastis novaescotiae (Walker) (a)
- \* Trichadenotecnum unum Somm. (a, b supplement 2)
- Psocus infumatus Banks (a)
- P.       lithinus Chapman (a)
- P.       pollutus Walsh (a)
- P.       quietus Hagen (a, b)
- P.       subquietus Chapman (a)
- P.       variabilis Aaron (a, b)

Caeciliidae

- Polypsocus corruptus Hagen (a, b, 3)
- Lachosilla andra (a)
- Peripsocus madescens Walsh (a, b)
- P.       quadrifasciatus Harr (a, b)

Mallophaga

Trichodectidae

- Lipourus perplexus K & C (b)

Thysanoptera

Phlaeothripidae

- Haplothrips graminis Hood (b)
- Liothrips citricornis (Hood) (b)

Hemiptera

Scutellaridae

- Tetyra bipunctata Fab. (a, b, 9)
- Homaemus aeneifrons Say (a, b, 9)

Cydnidae

- Galgupha atra A. and S. (b, 9)
- G.       ovalis A. and S. (9)
- G.       robusta (Uhl.) (9)
- Corimelaena lateralis Fab. (a, b, 9)
- Schirus cinctus Pal. (a, b, 9)

Pentatomidae

- Podops cinctipes Say (b, 22) (this species might be parvula (V. D.))
- Brochymena quadripustulata Fab. (a, b)
- Peribalus limbolarius Stal. (a, b, 22)
- Trichopepla semivittata Say (a, b, 9, 22)
- Mormidea lugens Fab. (a, b, 9, 22)
- Solubea pugnax Fab. (a, b, 9, 22)
- Euschistus servus Say (a, b, 9)
- E. tristignus tristignus Say (b, 9)
- E. tristignus luridus Dallas (b)
- E. tristignus pyrrhocerus HS (9)
- Proxys albopunctulatus (a)
- P. punctatus P.d.B. (12) same as punctulatus Beauv. ?
- P. spinosa (22)
- Hymenarcys nervosa Say (b, 9)
- Cosmopepla bimaculata Th. (a, b, 22)
- Menecles incertus Say (b, 9)
- Thyanta calceata Say (a, b, 9)
- T. custator Fab. (a, b, 22)
- Murgantia histrionica Hahn. (a, b, 22)
- Acrosternum hilare Say (a, b, 9, 22)
- Banasa dimidiata Say (a, b, 9, 22)
- Meadorus lateralis Say (b)
- Elasmotethus atricornis Van D. (a, 9)
- Stiretrus anchorago Fab. (b, 22)
- S. fimbriatus (Say) (a)
- Mineus strigipes HS (a, b)
- Podissus maculiventris Say (a, b)
- P. modestus Say (a, b)
- Euthyrhynchus floridanus (a, b)

Coreidae

- \* Protenor belfragei Hag. (a, 12)
- Merocoris distinctus Dall. (a, b)
- Acanthocephala femorata Fab. (b)
- A. terminalis Dall (a, b, 9, 12)
- Leptoglossus oppositus Say (a, b)
- L. phyllopus L. (b)
- Archimerus alternatus Say (a, b, 9)
- Euthochtha galeator Fab. (b, 9)
- Chariesterus antennator Fab. (a, b, 9)
- Anasa sp. (a)
- A. tristis DeG (b)
- Coriscus eurinus Say (a, b, 12)
- C. pilosulus H. S. (b)
- Harmostes fraterculus Say (b, 9)
- H. reflexulus Stal. (a, b)
- Corizus bohemani Sign. (b)
- C. lateralis Say (b)

Aradidae

- Aradus quadrilineatus Say (b, 9)
- Aneurus fiskei Heid. (b, 9)

Neididae

- Jalysus spinosus Say (a, b, 12)

Lygaeidae

- Oncopeltus fasciatus Dall. (a, b)
- Lygaeus bicurcis Say (a, b, 12)
- L. kalmii Stal. (a, b, 12)
- L. turcicus Fab. (b, 9)
- Ortholomus scolopax Say (a, b)
- Nysius californicus Stal. (b)
- Ischnorhynchus resedae Panzer (b)
- Cymus angustatus Stal. (a, b)
- Geocoris punctipes Say (b, 9)
- G. uliginosus Say (a, b)
- Phlegyas abbreviatus Uhl. (a, b, 9, 12)
- Oedancala dorsalis Say (a, b, 12)
- Wardocha serripes Oliv. (a, b, 12)
- Orthaea bilobata Say (b)

Tingitidae

- Fenestrella ovata O. and D. (b)
- \* Corythuca aescula O. and D. (a)
- C. ciliata Say (a, b)
- C. marmorata Uhl. (a, b, 9)
- Stephanitis rhododendri Horv. (b, 9)
- Gargaphia tiliae Walsh. (a, b, 9)

Phymatidae

- Phymata erosa (a)
- P. fasciata georgiensis Melin (b)
- P. pennsylvanica americana (b, 12)

Reduviidae

- \* Corilus cristatus (Linn) (a)
- Pygolampis pectoralis Say (b, )
- Melanolestes abdominalis HS (b)
- M. picipes HS (b)
- Hammacerus purcis Dr. (a, b)
- Apiomerus crassipes Fab. (b)
- Zelus exsanguis Stal. (b)
- Pselliopus cinctus Fab. (b, 12)
- Sinea diadema Fab. (b)
- S. spinipes HS (b)

Nabidae

- Nabis roseipennis (b, 9)

Cimicidae

- Cimex lectularius (b)

Miridae

- \* Arhyssus bohmanii (a, 9)
- \* Kleidocerys resedae Pan. (a, 9)
- \* Orius insidiosus Say (a, 9)
  - Collaria oculata Reut. (b, 9)
  - Stenodema vicinum Prov. (b, 9)
  - Trigonotylus ruficornis Fall. (a, b, 9)
  - T. sp. (a)
  - Platylellus fraterculus Knight (9)
  - Neurocolpus nubilus Say (a, b, 9)
  - N. tiliae (9)
  - Garganus fusiformis Say (b, 9)
  - Phytocoris angustulus Reut. (b, 9)
  - Adelphocoris rapidus Say (a, b, 9)
  - Poecilocapsus lineatus Fab. (a, b)
  - Lygus oblineatus (Say) (a, 9)
  - L. pabulinus Linn. (a, b, 9)
  - L. partensis Linn. (b)
  - L. vanduzeei Kn. (a, b, 9)
  - Neolygus atrinotatus (9)
  - N. belfragii Reut. (a, 9)
  - N. communis Knight (9)
  - N. laurae Kn. (a, b supplement 2)
  - Alepidia gracilis Uhl. (a)
  - Strogilocoris breviatus Knight (3)
  - Ilnacora stalli Reut. (b, 9)
  - Lopidea amorphae Kn. (b)
  - L. confluens Say (b, 9) (Same as confluenta Say ?)
  - Monacoloris filicis (a, 4, 9)
  - Diaphnidia capitata V. D. (a)
  - Deraeocoris sp. (a)
  - Hyaloides harti Kn. (a, 9)
  - Dicyphus agilis Uhl. (a, b)
  - Rhinocapsus vanduzeei Uhl. (a, b)
  - Plagiognathus cuneatus (9)
  - P. fraternus Uhl. (b)
  - P. politus flaveolus Kn. (b)
  - P. politus Uhl. (a, b, 9)
  - Reuterocapsus ornatus Reut. (b)

Gerridae

- 3 spp. unidentified (a)
- Gerris marginatus Say (b)
- G. remigis Say (b)

Saldidae

- Micranthia humilis Say (a, b, 9)

Notonectidae

- 2 spp. unidentified (a)

Belastomatidae

- 2 spp. unidentified (a)

Gelastocoridae

- 1 sp. unidentified (a)
- Gelastocoris oculatus Fab. (b)

Homoptera

Cicadidae

- Magicicada septendecim Linn. (a, b)
- M. septendecim cassini Fisher (a, b)
- Tibicen chloromera Wlk. (a, b)
- T. lyricea engelhardti Davis (a, b)

Cercopidae

- Aphrophora detritus Wlk. (3)
- A. quadrinotata Say (b)
- Lepyronia quadrangularis Say (a, b, 4)
- Philaronia abjecta Uhler (b, 4)
- Philaenus leucophthalmus pallidus (Zett.) (4)
- Clastoptera obtusa borealis Doering (b, 4)
- C. obtusa Say (b, 4)
- C. xanthocephala Germ. (b, 4)

Membracidae

- Ceresa borealis Flarm (b)
- Stictocephala diceros Say (a, 4)
- Thelia bimaculata Fab. (b, 4)
- Entylia carinata Forst. (b, 4)
- Pubilia concava Say (b, 4)
- P. reticulata V.D. (b, 4)
- Platycotis vittata quadrivittata Say (b)
- Tylopelta brevis V.D. (b, 4)

Cicadellidae

- \* Calladonus belli (Uhl.) (a)
- \* C. clittelarius (Say) (a, 4, 21)
- \* C. furculatus (Osb.) (21)
- \* Cuerna lateralis (Fab.) (a, 21)
- \* Endria inimica (Say) (a)
- \* Eracanthus interruptus (Linn.) (a)
- \* Eupterix flavoscura Gill (a)
- \* E. vanduzeei Gill (21)
- \* Exitianus obscurineris (Stal.) (a, 21)
- \* Flexamia reflexa (O. & B.) (a, 21)
- \* F. risanda (Crumb.) (a, 21)
- \* F. sp. (a)
- \* Graminella nigrifrons (Forbes) (a, 4)
- \* Laeviocephalus debilis (Uhl.) (a, 21)
- \* L. parvulus (Gill) (21)
- \* L. melsheimeri (Fh.) (a, 6)
- \* L. striatus (Linns.) (a, 21)
- \* L. sylvestris (O. & B.) (a, 21)
- \* Latulus sayi (Fitch) (a, 21)
- \* Macrosteles divisus (Uhl.) (a, 21)
- \* Nasutoideus frontalis V. D. (a, 21)
- \* N. scriptus (Ball) (21)
- \* Neokolla gothica (Sign.) (a)
- \* Norvellana seminuda (Say) (4)

- \* *Paraphlepsius fulvidorsum* (Fh.) (a, b second supplement, 4)
- \* *P. irroratus* (Say) (a, 4)
- \* *Platymoides acutus* (Say) (a, 21)
- \* *P. cinereus* (O. & B.) (a, 21)
- \* *Plesiommata tripunctata* (Fitch) (a)
- \* *Polyamia apicata* (Osb.) (21)
- \* *P. arudinia* (Crumb.) (a, 21)
- \* *P. inimica* (Say) (a, 21)
- \* *P. oblecta* (O. & B.) (a, 21)
- \* *P. weedi* V. D. (a, 21)
- \* *Tylozygus bifidus* (Say) (a)
- \* *Typhlocyba foliosa* Knull (51)
- \* *T. gillettei* Casta McA. (21)
- \* *T. rubriocellata* Malloch (21)
- \* *Unerus nigrifrons* (Forbes) (a, 21)

- Agallia constricta* V. D. (a, b, 4, 21)
- A. novella* Say (a) (*Agalliopsis novella* Say ?)
- A. quadripunctata* Prov. (a, b, 4, 21)
- Aceratagallia sanguinolenta* Prov. (b, 21)
- Agalliopsis cervina* Oman (21)
- A. novella* Say (b, 21)
- Idiocerus fitchi* V. D. (b, 21)
- Oncopsis variabilis* Fitch (a, b, 21)
- O. sp.* (a)
- Oncometopia lateralis* Fab. (b)
- O. undata* Fab. (a, b, 4, 21)
- Aulacizes irrorata* Fab. (a, b, 21)
- Cicadella flavoscuta* Gill (a, 21)
- C. gothica* Sign. (b, 21)
- C. nigra* Osb. (a)
- C. vanduzeei* Gill (a, 3)
- Sibovia occatoria* Say (b, 4, 21)
- Kolla bifida* Say (a, b, 21)
- Graphocephala coccinea* Forst (a, b, 4, 21)
- G. versuta* Say (a, b, 4, 21)
- Draeculecephala minor* Wlk. (a, b, 21)
- D. mollipes* Say (b, 21)
- Pagaronia tripunctata* Fitch (b, 21)
- Evacanthus acuminatus* Fitch (a, b, 21)
- E. interruptus* Linn. (a, b, 21)
- Penthenia americana* Fitch (a, b, 21)
- Gypona sp.* (a)
- G. melanota* Spbg. (b, 4)
- G. octolineata striata* Burm. (b)
- Xerophloea viridis* Fab. (b, 21)
- Xestocephala brunneus* V. D. (a, 21)
- X. pulicarius* V. D. (b, 21)
- X. superbus* Prov. (b, 4)

- Parabolocrates viridis* Uhl. (b, 21)  
*Scaphoideus carinatus* Osb. (b, 21)  
*Platymetopius frontalis* V. D. (b)  
*Deltocephalus flavicosta* Stal (a, b, 21)  
*Driatura gammaroides* V. D. (b, 4)  
*Euscelis exitiosus* Uhl. (b)  
*E. extrusus* (V. D.) (21)  
*Phlepsius irroratus* Say (a, b)  
*P. tullahomi* Del. (21)  
*Cyperana melanogaster* Prov. (a, b, 21)  
*Thamnotettix simplex* (Prov.) (a)  
*Chlorotettix distinctus* DeL. (21)  
*C. galbanatus* V. D. (b, 21)  
*C. viridius* V. D. (b, 21)  
*Jassus olitorius* Say (b)  
*Cicadula sex-notata* Fall (b)  
*Balclutha abdominalis* (V. D.) (21) (is this *Agellus abdominalis* V. D. ?)  
*B. punctata* Thunb. (a, b, 21)  
*Dikraneura mera* McA. (21)  
*Empoasca fabae* Harris (b)  
*E. maligna* (Walsh) (4)  
*E. spp* (21)  
\* *Bandara johnsoni* (V. D.) (b, second supplement, 4, 21)  
\* *Paraphlepsius fulvidorsum* (Fh.) (a, b second supplement, 4)  
\* *Idoneus kennicottii* (Uhl.) (b second supplement, 4)  
\* *Coelidia olitoria* (Say) (b second supplement, 4)  
\* *Stirellus bicolor* (V. D.) (b second supplement, 4) (also a)  
*Erythroneura nava* Bedmer (a, 21)  
*E. paraesculi* Knull (51)  
*E. plena* Bedmer (a)  
*E. quercalbae* Ross & DeLong (3)  
*E. rubrataeniensis* Bedmer (21)  
*E. stupkaorum* Knull (51)  
*E. tenilla* Ross & DeLong (3)  
*E. trautmanae* Knull (51)

#### Fulgoridae

- Philotarsus* (*Scolops*) *maculosus* (Aaron) (a)  
*Oliarus ecolagus* Cald. (4)  
*Cixius basalis* V. D. (a, b, 4)  
*Oecleus andus* (4)  
*O. borealis* Stal. (b, 4)  
*Bruchomorpha minima* McAt. (4)  
*Acanalonia bivittata* Say (a, b, 4)  
*Liburniella ornata* Stal. (a, b, 4)  
\* *Haplaxius pictifrons* (Stal.) (4)  
\* *Melormenus pruinosa* (Say) (4)  
\* *Anormenus septentrionalis* Spinola (4)

Chermidae

- Aphalara furcata Cald. (a)
- Trioza diospyri Ashm. (a, b)
- Psylla carpinicola Crawford. (a, 4)
- P. quadrilineata (4)
- P. rara Tuth. (a)
- P. sp. (a)
- P. striata Patch. (a, b)

Aphiidae

- Aphis gossypii Gl. (b)
- A. mali Fab. (b)
- Brevicoryne brassicae Linn. (b)
- Erisoma lanigerum Hausm. (b)

Phylloxeridae

- Pineus pinicorticis Fitch (b)

Coccidae

- 1 sp. mealy bug, unidentified (a)
- Pulvinaria acericola W. and R. (b)
- Toumeyella liriodendri Gm. (b)
- Aspidiotus perniciosus Comst. (b)
- Lepidosaphes ulmi Linn. (b)

Dermaptora

Forficulidae

- Doru aculeatum Scudder (b) → don't count

Colcoptera

Cicindelidae

- Tetracha carolina L. (a, b)
- T. virginica Linn. (a, b)
- Cicindela patrucla Dej. (a, b)
- C. punctulata Oliv. (a, b)
- C. purpurea Oliv. (a, b)
- C. repanda Dej. (b)
- C. rufiventris Dej. (a, b)
- C. sexguttata Fab. (a, b)
- C. sexguttata levettei Csy. (a, b)
- C. splendida Hentz. (a, b)
- C. tranquebarica Hbst. (a, b)
- C. tranquebarica minor Leng. (a, b)
- C. unipunctata Fab. (a, b)

Carabidae

- Scaphinotus aenicollis Beut. (a, 50)  
S. andrewsi barksdalei Val. (b)  
S. andrewsi darlingtoni Val. (a, b, 1, 44)  
S. andrewsi montana Val. (a, b)  
S. andrewsi parvitarsalis Val. (a, b, 1)  
S. canadensis (50)  
S. elevatus Fab. (a, b)  
S. guyoti angelli Beut. (a, b, 1, 50)  
S. guyoti Lec. (b)  
S. irregularis (50)  
S. ridingsi Bland (50)  
S. (Steniridia) barksdalei Valentine (44)  
S. tricarinatus Csy (a, b, 1)  
S. unicolor (Fab.) (a)  
S. viduus Dej. (a, b)  
S. violacea Lec. (a, b, 1, 50)  
Maronetus debilis Lec. (a, b)  
Sphaeroderus bicarinatus Lec. (a, b, 50)  
S. canadensis Chd. (a, b, 1)  
S. canadensis lengi Darl. (b)  
S. multicarinatus (a, b)  
S. nitidicollis Cherrolat (a, 1)  
S. stenostomus Wed. (a, b, 1, 50)  
Carabus limbatus Say (a, b)  
Calosoma externum Say (a, b)  
C. sayi Dej. (b, 12)  
C. scrutator Fab. (a, b, 3)  
Notiophilus aeneus Hbst. (a, b)  
Nebria appalachiana Darl. (b, 1)  
N. pallipes Say (b)  
Pasimachus depressus Fab. (a, b)  
P. punctulatus Hald. (a, b, 1)  
Scarites subterraneus Fab. (a, b)  
Clivina bipustulata Fab. (a, b)  
C. impressifrons Lec. (a)  
Panagaeus fasciatus Say (a, b, 1)  
Bembidion picipes (Kirby) (a, 1)  
B. simplex Lec. (b, 1)  
Patrobus longicornis Say (a, b)  
Cylindrocharis grandiceps Chd. (b)  
C. rostratus Newm. (a, b, 1)  
Pterostichus adoxus Say (a, b, 12)  
Gastrellarius honestus Say (a, b, 12)  
G. unicarum Darl. (b)  
Everthrus americanus (a, b)  
Monoferonia carolinus fumorum Darl. (b)  
M. diligendus Chd. (b)  
M. mancus mancus Lec. (b)  
M. primus Darl. (b)  
Feronina palmii Schf. (b)

- Euferonia coracina* Newm. (b)  
E.        *lachrymosa* Newm. (a, b, 1)  
E.        *relicta* Newm. (a, b)  
*Nomeretus debilis alpinus* Beut. (50)  
N.        *imperfectus* Horn (50)  
*Refronia moesta* Say (a, b)  
*Paraferonia lubricus* Lec. (b)  
*Poecilus chalcites* Say (a, b, 1)  
P.        *lucublandus* Say (b)  
*Dysidius mutus* Say (a, b)  
*Dicaelus dilatatus* Say (a, b, 1, 12)  
D.        *elongatus* Bon. (a, b)  
D.        *politus* Dej. (a, b)  
D.        *purpuratus* Bon. (a, b, 1)  
D.        *teter* Bon. (a, b)  
D.        *teter ovipennis* Csy. (a, b, 1)  
*Calathus opaculus* Lec. (b, 12)  
*Platynidius angustatus* Dej. (b)  
P.        *reflexus* Lec. (b)  
*Anchomenus cincticollis* Say (b)  
*Circinalia punctiformis* Say (b)  
*Casonia pennsylvanica* L. (b)  
*Galerita bicolor* Dr. (a, b)  
G.        *janus* Fab. (a, b)  
G.        *lecontii* Dej. (a, 12)  
*Lebia ornata* Say (a, b, 1, 12)  
L.        *vermiculina* Csy (12)  
L.        *viridis* Say (a, b, 12)  
*Plochionus timidus* Hald. (a, b, 1)  
*Gymindis venator* Dej. (a)  
*Chlaenius diffinis* Chd. (a, b)  
C.        *erythropus* Germ (a, b)  
C.        *laticollis* Say (b)  
C.        *memoralis* Say (a, b, 1)  
C.        *sp.* (a)  
C.        *tomentosus* Say (a, b)  
C.        *tricolor* Dej. (a, b)  
*Anomoglossus emarginatus* Say (a, b)  
*Cratacanthus dubius* Beauv. (a, b, 1)  
*Harpalus caliginosus* Fab. (a, b, 12)  
H.        *carolinae* Schf. (a, b)  
H.        *compar* Lec. (a, b)  
H.        *dichrous* Dej. (b, 1)  
H.        *erythropus* Dej. (a, b, 12)  
H.        *pennsylvanicus* Deg. (a, b, 1, 12)  
H.        *vagans* Lec. (a, b)  
*Selenophorus ellipticus* Dej. (a, b)  
S.        *opalinus* Lec. (b, 1)  
*Tripectrus carbonarius* Say (a, b)  
T.        *dulcicollis* Laf. (a, b)  
T.        *rusticus* Dej. (a, b, 12)

- Anisodactylus furvus Lec. (a, b)  
A. harrisii Lec. (a, b)  
A. melanopus Hald. (a, b)  
Anisotarsus terminatus Say. (a, b)  
Stenolophus ochropezus Say (a, b, 1, 12)  
Agonoderus pallipes Fab. (b)  
A. lecontei Chaudoir (a, 1)  
\* Pterocharus adoxus Say (a)  
\* Platynus angustatus Dej. (a)  
\* P. cincticollis (Say) (a, 11)  
\* P. extensicollis Say (a)  
\* P. gracilentus Beut. (a, 1)  
\* P. octopunctatus Fab. (a)  
\* P. punctiformis (Say) (a)  
\* P. trifoveolata Beut. (a, 1)

Dytiscidae

- Dytiscus verticalis (a)

Gyrinidae

- Dineutes emarinatus Say (a, b)  
D. robertsi Leng. (b)

Hydrophilidae

- Hydrophilus triangularis Say (a, b)  
Tropisternus sp. (a)  
Enochorus nebulosus Say (b, 6)  
Cercyon maculatus Melsh (6)

Silphidae

- Necrophorus marginatus Fab. (b)  
N. mortvorum Fab. (a)  
N. orbicollis Say (a, b)  
N. sp. (a)  
N. vespilloides Hbst. (a, b, 15)  
Silpha americana L. (a, b)  
S. inaequalis Fab. (a, b)  
S. noveboracensis Forster (a, b)  
S. sp. (a)  
S. surinamensis Fab. (a, b)  
Catops gratiosus Blanch (6)

Orthoperidae

- Corylophodes marginicollis Lec. (a, b)

Staphylinidae

- Anthobium convexum Fauv. (a, b, 6, 9)  
A. horni Fauv. (b, 6)  
Pinophilus latipes Grav. (b, 9)  
Paederus littorarius Grav. (b)  
Trachysectus confluentus Say (a, b, 9)  
Gyrohypnus pusillus Sachse (b, 9)  
Philonthus cyanipennis Fab. (a, b, 9)  
Phanerota fasciata Say (4)

- Staphylinus cinnamopterus Grav. (b)
- S. . . . . violaceus Grav. (a, b, 9)
- Ontholestes cingulatus Grav. (a, b, 9)
- Creophilus maxillosus villosus Grav. (b)
- Quedius laevigatus (Gyll) (9)
- Oxyporus stygicus Say (a, b, 9)
- O. . . . . vittatus Grav. (a, b, 9)
- Tachinus fimbriatus Grav. (a, b, 9)
- Conosoma crassus Grav. (a, b, 9)
- Boletobius trinotatus Er. (b, 9)
- \* Baptilinus americanus Csy. (a, 9)
- \* Homeotarsus parallelus Csy. (9)

Scaphiidae

- Scaphisoma convexum Say (b, 6)
- Toxidium gammaroides Lec. (b, 6)

Histeridae

- Hister harrisi Kirby (b)

Lycidae

- Calopteron reticulatum Fab. (a, b, 10)
- Eros trilineatus Melsh. (b, 10)
- Plateros spp. (10)

Lampyridae

- Lucidota atra Fab. (a, b, 10)
- L. . . . . corrusca Linn. (b)
- L. . . . . punctata Lec. (a, b, 10)
- Pyractomena angulata Say (a, b, )
- Photinus carolina Green (10)
- P. . . . . consanguineus Lec. (b, 10)
- P. . . . . pyralis Linn. (a, b, 10)
- Photuris pennsylvanica Deg. (a, b, 10)
- \* Ellychnia corruga Linn. (a, 10)
- \* Pyropyga decipiens Harris (a, 10)

Cantharidae

- Chauliognathus limbicollis Lec. (a)
- C. . . . . marginatus Fab. (a, b, 10)
- C. . . . . pennsylvanicus Deg. (a, b)
- Podabrus frater Lec. (b, 10)
- P. . . . . rugulosus Lec. (a, b, 10)
- Cantharis antennatus Fender (a)
- C. . . . . bilineatus Say (b)
- C. . . . . fraxini Say (a, b, 10)
- C. . . . . imbecillis Lec. (10)
- C. . . . . nigriceps Fender (a)
- C. . . . . nirticulus Fender (b)
- C. . . . . parricollis Fender (a, 10)
- C. . . . . rectus Melsh (a, b, 10)
- C. . . . . tuberculata Lec. (b)
- Silis bidentatus Say (a, b, 10)
- \* Cleronomus thoracicus (Oliv.) (a)

Melyridae

- Collops quadrimaculatus Fab. (b)
- Pseudebaeus pusillus Say (6)
- Attalus morilus Lec. (9)
- A. scincetus Say (a, b, 6)

Cleridae

- Enoclerus rosmarus Say (b, 1, 2)
- Trichodes apivorus Germ. (b)
- Hydnocera pallipennis Say (a, b)
- H. unifasciata Say (a, b)
- H. verticalis Say (a, b)
- Isohydnocera curtipennis Newm. (b, 1, 13)

Corynetidae

- Phyllobaenus stupkai Knull (4)
- Chariessa pilosa Forster (a, b)
- Cregya oculatus Say (a, b)

Mordellidae

- Mordella atrata Melsh. (b)
- Mordellistena inferna Say (Ray ?) (a)
- M. suturalis Say (13)
- M. trifasciata Say (a, b)
- Anaspis rufa Say (a, b, 6)

Rhipiphoridae

- 1 sp., unidentified (a)
- Rhipiphorus schwarzi Lec. (b)

Meloidae

- Pomphopaea sp. (a)
- P. unguicularis Lec. (b, 4)
- Epicauta atrata Fab. (a, 10)
- E. cinerea marginata Fab. (a, b, 10)
- E. pennsylvanica DeG. (a, b)
- E. solani Werner (10)
- E. vittata Fab. (b, 10)
- Macrobasis unicolor Kby. (a, b)
- Meloe americanus Leach (a, b)
- M. impressus Kby. (3)
- M. moerens Lec. (a, b)
- M. perplexus Lec. (b)

Pyrochroidae

- Neopyrochroa flabellata Fab. (flabettata Blair) (a, b, 10)
- Dendroides canadensis Lat. (a)

Elateridae

- Alaus myops (a, b, 24)
- A. oculatus Linn (a, b, 24)
- Conoderes auritus Hbst. (a, b, 1, 2)
- C. bellus Say (a, b, 24)
- C. lividus DeG. (a, b, 1, 2, 13, 24)
- C. vespertinus Fab. (a, b, 1, 2)

- Limonium aurifer Lec. (a, b)
- L. auripilis Say (a, b, 1, 2, 13, 24)
- L. basillaris Say (a, b, 24)
- L. griseus Beauv. (a, 24)
- L. plebejus Say (a, b, 24)
- L. propexus Cand. (b)
- L. quercinus Say (a, b, 24)
- Athous acanthus maculicollis Lec. (a, b, 24)
- A. brightwelli Kby. (a, b, 13)
- A. carolinus Van Dyke (a, b, 1, 2, 13) (carolinensis Van D.?)
- Ludius bivittatus Melsh. (a, b, 13)
- L. divaricatus Lec. (a, b, 1, 2)
- L. hamatus Say (a, b, 24)
- L. pyrrhos Hbst. (a, b, 2, 24)
- L. sulcicollis (Say) (13)
- L. trivittatus Lec. (b, 2)
- Hemicrepidus memnonius Hbst. (b)
- Dolopius lateralis Esch. (b)
- Sericus silaceus Say (a, b, 24)
- Agriotes isabellinus (Melsh.) (2)
- A. oblongicollis Melsh. (a, b, 24)
- Glyphonyx bimaculatus Schffr. (13)
- G. inquinatus Say (b, 24)
- G. reticollis Say (b, 2)
- G. testaceus Melsh. (b)
- Elater collaris Say (b)
- E. nigrinus Payk. (b)
- Melanotus 2 spp. unidentified (a)
- M. decumanus Er. (a)
- M. fissilis Say (b)
- Cardiophorus convexus Say (a, b, 24)
- C. gagates Er. (a, b, 24)
- Horistonotus curiatus Say (a, b, 24)
- \* Ampedus arolatus (Say) (a, 24)
- \* A. mixtus (Hbst.) (1, 2)
- \* Dalopius cognatus Brown (a, 24)
- \* Oxygonus montanus Schff. (a, 24)

#### Throscidae

- Aulonothroscus constrictor Say (b, 6)

#### Buprestidae

- Chalcophora virginiensis Dr. (a, b, 24)
- Dicerca obscura Fab. (a, b, 24)
- D. prolongata Lec. (a, 24)
- Buprestis sp. (a)
- B. fasciata Fab. (a, b, 24)
- B. lineata Fab. (a, b, 24)
- Melanophila aeneola Melsh. (b, 12, 13)
- M. fulvoguttata Harr. (a, b)

*Anthaxia quercata* Fab. (a, b, 1, 2, 24)  
*Agrilaxia flavimana* Gory. (b, 13)  
*Chrysobothris azurae* Lec. (a, 24)  
*Chrysobothris femorata* Ol. (a, b, 24)  
*Agrilus bilineatus* Web. (b, 12, 13)  
A.      *cephalicus* Lec. (b, 24)  
A.      *dentipennis* (a)  
A.      *disopyroides* Knull. (38)  
A.      *egenus* Gory. (a, b, 24)  
A.      *politus* Say (a, b, 24)  
A.      *ruficollis* Fab. (a, b, 1, 2, 24)  
*Pachyschelus laevigatus* Say (a, b, 12, 13, 24)  
*Brachys aerosus* Melsh. (a, b)  
B.      *ovatus* Web. (a, b, 1, 2)  
*Taphrocerus nicolayi* Obenh. (a, 12, 13)  
\**Brachysaerosus* sp. (24)

Dascillidae

*Eurypogon niger* (6)

Helodidae

*Cyphon obscurus* Guer. (a, b, 6)  
C.      *ruficollis* Say (a, b, 6)  
C.      *variabilis* Thunb. (a, b, 6)  
*Ptilodactyla angustata* Horn (b, 6)  
P.      *serricollis* Say (b, 6)

Dermestidae

*Byturus unicolor* Say (a, b, 6)  
*Attagenus piceus* Ol. (b)  
*Anthrenus castaneae* Melsh. (a, b, 6)  
*Orphilus ater* Er. (a, b, 6)

Ostomidae

*Tenebroides americanus* Kby. (a, b, 6)

Nitidulidae

*Stelidota geminata* Say (b, 6)  
*Cychramus adustus* Er. (b, 6)  
*Pocadius halvolus* Er. (b, 6)  
*Oxyonemus histrina* Lec. (b, 4)  
*Pallodes pallidus* Beauv. (6)  
P.      *silaceus* Er. (b, 6)  
*Cryptarcha ampla* Er. (b, 6)  
\**Brachypterus urticae* (a)  
\**Meligethes aeneus* (a, 6)

Cucujidae

Brontes dubius Fab. (a, b, 10)

Erotylidae

Languria bicolor Fab. (b)

Languria mozardi Latr. (a, b, 9)

Acropteroxys gracilis Newm. (b, 9)

Tritoma unicolor Say (b, 4, 9)

Triplax flavicollis Lec. (b, 9)

Megalodacne heros Say (a, b, 15)

Lathridiidae

Lathridius liratus Lec. (b, 6)

Melanophthalma sp. (a)

Phalacridae

Stilbus apicalis Melsh. (a, b)

\*Boreades abdominalis Er. (a, 6)

Coccinellidae

Scymnus melsheimeri Weise (3)

S. terminatus Say (6)

Psyllobora vigintimaculata Say (a, b, 12)

Ceratomegilla fuscilabris Muls. (b)

Hippodamia convergens Guer. (a, b)

Neoharmonia venusta Melsh. (a, b)

Coccinella novemnotata Hbst. (a, b)

Cycloneda munda Say (a, b, 4)

Adalia bipunctata Linn. (a, b)

Cleis picta Rand. (a, b)

Neomysia pullata Say (a, b, 1, 3)

Chilocoris bivulnerus Muls. (b)

Epilachna borealis Fab. (a, b)

E. corrupta Muls. (a, b, 4)

\*Megilla maculata Deg. (a, 4)

\*M. maculata fuscilabris Malsaut (a, 1) (Same as Cartemogilla fuscilabris?)

Alleculidae

Isomira sp. (a)

I. sericea Say (a, b, 6)

Tenebrionidae

Phellopsis oboadata Kby. (a, b)

Bolitobius bifurcus (Fab.) (a, 4)

B. cornutus Panz. (a, b)

Diaperis maculata Ol. (b)

Alphitobius diaperinus Panz. (b, 10)

Polypleurus geminatus Sol. (a, b)

Allobates pennsylvanicus DeG. (a, b, 4)

Tenebrio obscurus Fab. (b)

Paratenetus fuscus Lec. (b, 10)

*Tarpela micans* (Fab.) (b)  
T. *undulata* Lec. (b)  
\**Scobates calcaratus* Fab. (a)

Lagriidae

*Arthromarca aenea* Say (a, 10)  
A. *appalachiana* Leng. (b)  
A. *pilosella* Lang. (b)

Melandryidae

*Penthe obliquata* Fab. (a, b)  
P. *pimelia* Fab. (a, b)  
*Synchroa punctata* Newm. (a, b, 1, 2)  
*Emmesa connectens* Newm. (a, b)  
*Dircaea quadrimaculatus* Say (a)  
*Canifa* sp. (a)  
*Mycterus scaber* Hald. (a, b, 6)  
\**Seraptia sericea* Melsh. (6)  
\**Zelora* sp. (a)

Anobiidae

*Xyletinus pelatus* Harr. (b)  
*Caenocara bicolor* Germ. (6)

Scarabaeidae

*Canthon chalcites* Hald. (b)  
C. *laevis* Dr. (a, b)  
*Pinotus carolinus* Dr. (a, b, 4) (*Corpis carolinus* Dr. ?)  
*Copris tullius* Ol. (a, b)  
*Phaeneus carnifex* (vindex) MacL. (a, b)  
*Onthophagus hecate* Panz. (a, b, 4)  
O. *janus* Panz. (b, 4)  
*Ataenius strigata* Say (a, b, 4)  
*Geotrupes splendidus* Fab. (a, b)  
*Serica atricapilla* Kirby (b)  
S. *georgiana* Leng. (a, b, 4)  
S. *lecontei* Daws. (b, 4)  
S. sp. (a)  
S. *vespertina* Gyll. (b, 4)  
*Diplotaxis sordida* (Say) (b, 4)  
*Phyllophaga crenulata* Froh. (b, 4)  
P. *drakei* Kby. (b)  
P. *ilicis* Kn. (b, 4)  
P. *quercus* Kn. (b, 4)  
P. sp. (a)  
P. *tristis* Fab. (a, b)  
*Polyphylla uoviolosa* Hentz. (a)  
*Dichelonyx subvittata* Lec. (a, b)  
*Macroductylus subspinosus* Fab. (a, b)  
*Hoplia limbata barbata* Bl. (b)  
H. *limbata* Lec. (b)  
*Anomala innuba* Fab. (b)  
A. *undulata* Melsh., (b)

*Pachystethus marginatus* Fab. (a, b)  
*Popillia japonica* Newm. (a, b)  
*Pelidnota lutea pallidipes* Csy. (b, 3)  
*P. punctata* (a, b)  
*Ochrosidia* sp. (a)  
*Ligyris gibbosus* Dels. (a, b, 4) (*giovosa* Deg.?)  
*Dynastes tityus* Linn. (a, b)  
*Cotinus nitida* Linn. (a, b)  
*Euphoria* sp. (a)  
*E. fulgida* Fab. (a, b)  
*E. inda* Linn. (a, b)  
*E. scolopacea* Csy. (b)  
*E. sepulcralis* Fab. (a, b)  
*Osmoderma* sp. (a)  
*O. ermicola* Kn. (a, b)  
*Gnorimella* sp. (a)  
*Trigonopeltastes delta* Forst. (a, b, 4)  
*Trichiotinus affinis* Gory (a, b, 4)  
*T. bibens* Fab. (a, b, 4)  
*T. lunulatus* Fab. (b)  
*\*Calgus caniculatus* (Fab.) (4)  
*\*Cyclocephala immaculata* (Oliv.) (4)  
*\*Trichius* sp. (a)

#### Lucanidae

*Pseudolucanus capreolus* Linn. (a, b)  
*Lucanus elaphus* Fab. (a, b)  
*Ceruchus piceus* Web. (a, b)

#### Passalidae

*Passalus cornutus* Fab. (a, b)

#### Cerambycidae

*Derobrachus brunneus* Foerster (a, b) (*Orthosoma brunneus*)  
*Prionus* sp. (a)  
*P. laticollis* Dru. (a, b, 13)  
*Criocephalus obsoletus* Rand. (b)  
*Eburia quadrigeminata* Say (a, b)  
*Romaleum atomarium* Dr. (a, b)  
*Hypermallus villosus* Fab. (b)  
*Elaphidion mucronatum* Say (a, b)  
*E. villosum* (Fab.) (a, 1) (*Staphidion*)  
*Obrium maculatum* Ol. (a, b, 1, 13, 24)  
*Hapalosalia aurata* Horn. (b)  
*H. sphaericollis ruficollis* Say (b)  
*Centrodera decolorata* Harris (a, b, 24)  
*Evodinus monticola* Rand (a, b, 24)  
*Acmaeops directa* Newm. (a, b, 12, 13)  
*A. nigripennis* Lec. (b)  
*Gaurotes cyanipennis* Say (a, b, 24)  
*Anthophilax attenuatus* (Hald.) (a)  
*A. hoffmanni* Beut. (a, b)

- Judolia cordifera Ol. (b)  
Brachyleptura vagans Ol. (b)  
Parallelina nana haematites Newm. (b)  
Strangalepta lineola Say (b)  
S. vittata Ol. (b)  
Strangalia acuminata (a, 24)  
S. famelica Newm. (a, 24)  
S. luticornis (Fab.) (a, 12, 13, 24)  
S. sp. (a)  
Leptura cordifera (Oliv.) (a)  
L. lineola (Say) (a, 1, 2, 13, 24)  
L. proxima Say (a, b)  
L. subhammata Rand (a, 1, 2, 24) (L. subnamata ?)  
Bellamira scalaris Say (a, b)  
Typocerus acuficauda Csy. (a, 2, 24) (T. acuticauda ?)  
T. denticauda Csy. (1)  
T. lugubris Say (a, b, 24)  
T. lunulata Swed. (a, b, 24)  
T. velutina Ol. (a, b, 1, 24)  
T. zebra Ol. (a, b, 13)  
Desmocerus palliatus Forst (a, b, 15)  
Hylotrupes bajulus Linn. (a, b)  
Phymatodes amoenus Say (b)  
Cyllene robiniae Forst. (a, b, 24)  
Xylotrechus colonus Fab. (a, b)  
X. sagittatus Germ. (b, 2)  
Neoclytus acuminatus Fab. (b)  
Anthoboscus ruricola Ol. (b)  
Cyrtophorus verrucosus Ol. (a, b)  
Euderces picipes Fab. (a, b, 1, 24)  
Batyleoma suturalis Say (a, b, 24)  
Monochamus carolinensis Ol. (b, 2, 13)  
M. marmorator Kby. (a, b)  
M. notatus Dr. (a, b)  
M. scutellatus Say (a, b)  
M. titillator Fab. (a, b)  
Goes sp. (a)  
Microgoes oculatus Lec. (a, b, 24)  
Leptostylus sp. (a)  
Astylopsis macula Say (a, b, 1, 2, 24)  
Lepturges signatus Lec. (a, b, 24) (singulatus ?)  
Urographis fasciata Deg. (a, b)  
Dectes spinosus Say (a, b, 24)  
Ecyrus dasycerus Say (a, b, 1, 2, 24)  
Oncideres cingulatus Say (a, b)  
Hippopsis lemniscata Fab. (a, b, 24)  
Saperda candida (a, b, 24)  
S. lateralis Fab. (a, b, 24)  
S. sestita Say (a, 24)  
S. sp. (a)

- Mecas pergkata* (Say) (a, 24)  
*Oberca appalachiana* Csy. (a, 24)  
*O.* *basalis* Lec. (a, b, 1, 2, 24)  
*O.* *bimaculata* Ol. (a, b)  
*O.* *bimaculata affinis* Harr. (b, 2)  
*O.* *mandarina* (a, 1, 2, 24)  
*O.* *myops* Hald. (a) (*tripunctata myops* Hald.? - b)  
*O.* *ruficollis* Fab. (a, b)  
*O.* *tripunctata* Swed. (a, b, 24)  
*Tetraopes centeriator* Drap. (b)  
\* *Acanthocinus nodosus* (Fab.) (a)  
\* *Allosterna capitata* (Newm.) (a)  
\* *Anoplerda canadensis* (Oliv.) (a)  
\* *A.* *minnesotata* (Csy.) (a)  
\* *A.* *mutabilis* (Newm.) (a, 24)  
\* *A.* *nitens* (Forst) (a, 24)  
\* *A.* *octonotata* (Say) (a)  
\* *A.* *rubrica* (Say) (a, 1, 2, 24)  
\* *A.* *sp.* (a)  
\* *A.* *vagans* (Oliv.) (a, 24)  
\* *A.* *vittata* (Oliv.) (a, 1, 2, 24)  
\* *Arhopalus agrestis* (a)  
\* *Cryptophorus verrucosus* (Oliv.) (24)  
\* *Grammoptera filicornis* Csy. (a)  
\* *Idiopidonia pedalis* (Lec.) (a, 24)  
\* *Pidonia aurata* (Horn) (a, 1, 2, 12, 13, 24)  
\* *P.* *densicollis* (Say) (a, 1, 2, 24)  
\* *P.* *ruficollis* (Say) (a, 1, 2, 24)  
\* *Toxotus cinnamopterus* (Rand.) (a)

#### Chrysomelidae

- Orsodacne atra* (Ahr ns) (a, 13)  
*O.* *tibialis* Kby. (b)  
*Syneta extorris* (Germ.) (30)  
*S.* *ferruginea* Germ. (a, b, 9, 13)  
*Lema sayi* Cr. (a, b, 13)  
*L.* *sexpunctata* Ol. (b, 12)  
*Antipus laticlavus* Foerst. (a, b)  
*Saxinis omogera* Lec. (b, 8)  
*Chlamys gibbosa* Fab. (b)  
*Pachybrachys interrupta* Fab. (3)  
*P.* *luridus* Fab. (a, b, 8, 13)  
*P.* *trinotatus* Melsh. (b, 8)  
*P.* *tridens* Melsh. (a, b)  
*Cryptocephalus guttulatus* Ol. (b, 8)  
*Bassareus literatus recurvus* (Say) (3)  
*B.* *mammifer* (a, 13)  
*Chrysodina globosa* Say (a, b)  
*Nodonota clypealis* Horn (a, b, 8)  
*N.* *tristis* Ol. (a, b, 3, 8)  
*Colaspis brunnea* Fab. (a, b, 8)  
*C.* *chrysis* Ol. (a, b, 13)  
*Graphops pubescens* Melsh. (b)  
*Xanthonia decemnotata* Say (a, b)  
*Fidia longipes* Melsh. (b, 7)  
*Tymnes tricolor* Fab. (a, b, 6, 9, 13)  
*Myochrous denticollis* Say (b, 3)  
*Typophorus viridicyaneus* Cr. (b, 8)

- Paria canella* Fab. (a, b, 3, 9, 13)  
*Leptinotarsa decemlineata* Say (a, b)  
*L. juncta* Germ. (a, b)  
*Zygogramma suturalis* Fab. (a, b)  
*Calligrapha scalaris* Lec. (a, b)  
*C. virginea* Brown (a, 13)  
*Chrysomela subopaca* Rogers (a)  
*C. interrupta* Fab. (3) (same as *Lina interrupta* Say ?)  
*Gastroidea cyanea* Melsh. (b, 3)  
*Lina interrupta* Say (b)  
*L. scripta* Fab. (b)  
*L. tremulae* Fab. (a)  
*Phyllodecta vitellinae* Linn. (a, b, 8)  
*Trirhabda canadensis* Kby. (a, b, 3, 8, 13)  
*Diabrotica atripennis* Say (b)  
*D. duodecimpunctata* Fab. (a, b, 4)  
*D. undecimpunctata* (a)  
*D. vittata* Fab. (b)  
*Luperodes bimarginata* Blake (a, 3, 13)  
*L. cyanellus* (a)  
*Phyllethrus dorsalis* Ol. (a, b, 13)  
*Cerotoma trifurcata* Hbst. (a, b, 3, 8, 13)  
*Pachyonychus paradoxus* Melsh. (b, 3)  
*Oedionychis circumdata* Rand. (b, 8)  
*O. miniata* Fab. (a, b, 13)  
*O. subvittata* Horn (a, b, 3, 0, 12)  
*O. thoracicus* Fab. (b)  
*O. vians* Ill. (a, b, 13)  
*Disonycha abbreviata* Melsh. (a, b, 13)  
*D. discoidea* Fab. (a, b)  
*D. glabrata* Fab. (b, 13)  
*Haltica kalmiae* Melsh. (b)  
*Lactica iris* Oliv. (8)  
*Chalcoides helxines* Linn. (b, 8)  
*Crepidodera erythropus* Melsh. (b, 8)  
*Orthaltica copalina* Fab. (a, b, 3, 7, 13)  
*Luperaltica fuscata* Lec. (a, b, 8)  
*Chaetocnema confinis* Gr. (a, b, 7)  
*C. denticulata* Ill. (b, 7)  
*C. pulicaria* Melsh. (a, b, 7)  
*Systema hudsonias* Forst. (a, b, 3)  
*Anoplitis inaequalis* Web. (a, b)  
*A. rosea* Web. (3)  
*Chalepus bicolor* Ol. (a, b, 3, 8)  
*C. dorsalis* Thunb. (a, b, 3, 9)  
*Physonota unipunctata* Say (a, b)  
*Chiridia guttata* Ol. (a, b, 3)  
*Metritona bicolor* Fab. (a, b, 3)  
 \* *Altica kalmiae* (a, 3)  
 \* *Anomoa laticlavata* Forst. (a, 13)  
 \* *Arroplectia inaequalis* (Weber) (3)  
 \* *Xenochalepus dorsalis* (a)

Brenthidae

Eupsalis minuta Dr. (a, b, 7)

Platystomatidae

Eurymyceter fasciatis Ol. (b)

E. sp. (a)

Anthribius cornutus Say (b, 7)

Euparius marmoreus Ol. (a, b, 7)

Brachytarsus sticticus Boh. (b, 7)

Curculionidae

Eugnamptus collaris Fab. (b, 7)

Attelabus analis Ill. (b)

A. bipustulatus Fab. (a, b, 7)

A. nigripes Lec. (b, 7)

Apion carinatum Smith (7)

A. coxale Fall (b, 7)

A. nigrum Hbst. (b, 7)

A. puritanum Fall. (7)

A. rostrum Say (b, 7)

A. segnipes Say (b, 7)

A. turbulentum Sm. (a, b)

A. walshi Smith (7)

Tanymoeus confertus Gyll. (b, 7?)

Pandeletheus hilaris Hbst. (b, 7)

Hylobius pales Hbst. (b, 7)

Curculio auriger Csy. (b)

C. (Balaninus) sp. (a)

Anthonomus disjunctus Lec. (b)

A. grandis Boh. (b)

A. scutellatus Gyll. (a, b, 7)

A. signatus Say (a, b, 7)

Piazorhinus scutellaris Say (b, 7)

Lixus concavus Say (a, b)

L. fimbriolatus Boh. (b, 7)

Glyptobaris rugicollis Lec. (b, 7)

Odontocorynus salebrosus Csy. (a, b, 7)

O. scutellum-album Say (a, b, 7)

Conotrachelus anaglypticus Say (a, b, 7)

C. seniculus Lec. (a, b, 7)

Dryophthorus americanus Bedel. (b, 7)

\* Aphrastus taeniatus Say (7)

\* Mylabris bivulneratus Horn (7)

\* M. cruentatus Horn (7)

\* M. nigrinus Horn (7)

Rhynchophoridae

Rhodaenus tredecimpunctatus Ill. (a, b, 7)

Scolytidae

Scolytus rugulosus Ratz. (b)

Hylastes porculus Er. (b, 7)

Dryocoetes americanus Hopk. (a)

\* Trypodendron trivittatum Kby. (a)

Strepsiptera

Stylopidae

Crawfordia sp. (b)

Xenidae

Halictoxenos sparsi Pierce (b)

H. versati Pierce (b)

H. zephyri Pierce (b)

*don't count*

Mecoptera

Panorpidae

1 specimen, unidentified (a)

Panorpa acuta Carp. (b, 4, 31)

P. carolinensis Bks. (b)

P. flexa Carp. (b, 12, 13)

P. isolata Carp. (b)

P. longicornis Carp. (b, 31)

P. maculosa Hagen (b, 4)

P. nebulosa Westw. (b)

P. venosa Westw. (b)

\* Boreus sp.

Trichoptera

Bittacidae

Bittacus strigosus Hagen (b)

Rhyacophilidae

Rhyacophila 2 spp., unidentified (a)

R. carolina Bks. (b)

R. fuscula Wlk. (b, 47, 49)

R. glaberrima Ulm. (b)

R. montana Carp. (b)

R. torva Hagen (b)

Glossosoma sp. (31)

G. nigrior Bks. (b, 47, 49) (same as Mystrophora nigrior Banks)

Philopotamidae

Philopotamus distinctus Wlk. (b, 47)

\* Gatlinia mohri Ross (5)

\* Polypotamus distinctus Walker (49)

Paragapetus moestus Bks. (b)

Hydropsychidae

Diplectrona modesta Bks. (b, 49)

Hydropsyche alternans Wlk. (b)

Macronema sp. (31)

\* Parapsyche cardis Ross (47, 49)

Polycentropidae

Phylocentropus carolinus Carp. (b)

Leptoceridae

Leptocerus sp. (31)

\* Achripsodes ancylus Vorhies (47, 49)

Phryganeidae

Nouronia sp. (31)

Limnephilidae

- Platyphylax subfasciatus Say (b)
- Pycnopsyche subfasciata (Say) (5)

Sericostomatidae

- Micrasema charonis Bks. (b, 5)
- M. falcata Bks. (b)
- Neuropsyche tibialis Carp. (b)
- Notiopsyche latipennis Bks. (b)
- Pseudogoera singularis Carp. (b)
- \*Lepidostoma sp. (47)

\*Brachycentridae

- Brachycentrus sp. (31)

Lepidoptera

Satyridae

- Neonympha eurytus Fab. (b)
- N. gemma Hub. (a, b) (Euptchia gemma)
- N. sosybius Fab. (a, b, 19) (E. sosybius)
- Cercyonis alope alope Fab. (a, b, 17, 19)
- C. alope maritima Edw. (b)
- Enodia portlandia Fab. (a, b, 19) (Lethia portlandia)
- E. portlandia anthedon Clk. (b)

Nymphalidae

- Polygonia comma dryas (Edw.) (19)
- P. comma Harr. (a, b, 17, 19)
- P. faunus Edw. (a, 17, 19)
- P. faunus smythi Clk. (b)
- P. (Grapta) interrogationis Fab. (a, b, 19)
- P. progne Cram. (a, b, 19)
- P. umbrosa (Lintner) (19)
- Nymphalis antiopa creta Verity (b)
- N. antiopa Linn. (Vanessa antiopa) (a, b, 19)
- Vanessa cardui Linn. (a, b, 19)
- V. huntera (17)
- V. (Nymphalis) atalanta Linn. (a, b, 19)
- V. virginensis Drury (a, b, 19)
- Precis astyanax (17, 19) (Basilarchia arthemis astyanax Fab.?)
- P. coenia Hbn. (a, b, 17, 19) (Precis lavinia Cramer)
- P. dissippus (17)
- Anaea andraea Sc. (a, b, 19)
- Basilarchia archippus Cram. (a, 19)
- B. arthemis adriaesta Dru. (a)
- B. (Limenitis) arthemis astyanax Fab. (b)
- Euphydryas phaeton Dr. (a, b)
- Phycoides batesii Reak. (a, b, 19)
- P. (Melitaea) nycteis D and H (a, b, 19)
- P. tharos Dr. (a, b, 17, 19)
- Argynnis atlantis (Edw.) (19)
- A. aphrodite Fab. (a, b, 19)
- A. cybele Fab. (a, b, 17, 19)
- A. (Speyeria) diana Cram. (a, b, 19)

*Euptoieta claudia* Cram. (a, b, 17, 19)

Heliconiidae

*Dione (Agraulis) vanillae incarnata* Riley (b)  
*D. vanillae* Linn. (a, b, 17, 19)

Danaidae

*Danaus plexippus* Linn. (a, b, 17, 19)

Libytheidae

*Libythea bachmani* Kirt. (a, b, 17)

Lycaenidae

*Fenisea tarquinius* Fab. (a, b, 19)  
*Lycaena phlaeas americana* Harris (a)  
*L. pseudargiolus* B. & L. (19)  
*Lycaenopsis argiolus* Linn. (a)  
*L. artiolus pseudargiolus* B. & L. (b)  
*Everes comynatas* Godt. (*Lycaena comyntas*) (b, 19)  
*Atelides halesus* Cr. (a, b)  
*Strymon cecrops* Fab. (a, b)  
*S. meninus* Hbn. (a, b, 17)  
*S. sp.* (a)  
*Incisalia augustinus* Westw. (a, b)  
*I. irus* Godt. (a, b)  
*I. niphon* Hbn. (a, b)  
\* *Herodes hypophlaeas* Edw. (17)

Pieridae

*Pieris rapae* Linn. (a, b, 19)  
*P. virginiensis* Edw. (a, b)  
*Phoebis (Catopsilis, Callidryas) eubule* Linn. (a, b, 17) (*P. sennae eubule*)  
*Colias (Euremus) philodice philodice* Godt. (a, b)  
*C. philodice eurytheme* Bdv1. (a, b, 17)  
*Terias jucunda* B. & L. (a, b, 19) (*T. daira jucunda* B&d.)  
*T. lisa* Cram. (a, b, 17, 19)  
*T. (Eurema) nicippe* Cram. (a, b, 17, 19)

Papilionidae

*Papilio ajax carolinianus* Edw. (19)  
*P. cresphontes* Cr. (a, b)  
*P. glaucus* L. (a, b, 19)  
*P. marcellus* Cr. (a, b)  
*P. philenor* L. (a, b, 17, 19)  
*P. polyxenes asterius* Cram. (a, b, 19)  
*P. troilus* L. (a, b, 15, 19)  
*P. turnus* (19)

**Hesperiidae**

- Epargyreus clarus* Cram. (a, b, 18)  
 E.        *tityrus* Fabr. (19)  
*Urbanus proteus* Linn. (b, 18)  
*Achalarus lyciades* Geyer (a, b)  
*Thorybes bathyllus* Sm. (a, b, 18, 19)  
 T.        *confusus* Bell. (b, 16)  
 T.        *pylades* Sc. (a, b, 18, 19)  
*Pyrgus communis* Grt. (a, b)  
*Pholisora catullus* Fab. (b, 18)  
*Erynnis baptisiae* Forbes (a, b, 18)  
 E.        *brizo* B. & L. (a, b)  
 E.        *horatius* S. & B. (a, b, 18)  
 E.        *icelus* Sc. & B. (a, b)  
 E.        *juvenalis* Fab. (a, b, 18, 19)  
 E.        *lucilius* S. & B. (a)  
 E.        *martialis* (Scud.) (b, 18) (*Thanaos martialis*)  
*Ancyloxypha numitor* Fab. (a, b, 18, 19)  
*Hesperia communis* (Grote) (18) (*H. tessellata* Scud.)  
 H.        *montinoga* (17)  
*Hylephila phylaeus* Dr. (b, 18)  
*Atalopedes campestris* Bdv. (b, 18)  
*Polites brettus* Baisd. & Lee (18)  
 P.        *manataqua* Harr. (b, 18)  
 P.        *peckius* Kby. (b, 18)  
 P.        *taumus* (Fab.) (18)  
 P.        *verna* Edw. (a, b, 18, 19)  
*Poanes hobomok* Harr. (a, b, 18)  
 P.        *zabulon* B. & L. (a, b, 19)  
*Atrytone ruricola* Bdv. (b, 18)  
*Atrytonopsis hianna* Sc. (a, b)  
*Lerema accius* S. & A. (a, b, 18)  
*Amblyscirtes hegon* Sc. (a, b)  
 A.        *vialis* Edw. (a, b, 18, 19)  
*Lerodea lherminieri* Latr. (a, b) (*Megistias l-herminieri* (Latr.))  
*Panoquina ocola* Edw. (a, b, 18)  
 \* *Catia ortho egerement* (Scud.) (18)  
 \* *Chrysophanus hypophlaeas* Bsdv. (19)  
 \* *Limnochoris palatka* Edw. (18)  
 \* *Thecla calanus* (Hbn.) (19)  
 \* T.        *cercops* (Fabr.) (19)  
 \* T.        *leata* Edw. (19)  
 \* T.        *m-album* Bsdv. (19)  
 \* T.        *melinus* (Hbn.)

**Sphingidae**

- Herse cingulata* Fab. (b)  
*Protoparce rustica* Fab. (a, b)  
 P.        *sexta* Joh. (a, b)  
*Ceratomia catalpae* Bvd. (b)  
*Sphinx jamaicensis geminatus* Say (a)  
*Paonias myops* S. & A. (a, b)  
*Haemorrhagia thysbe* Fab. (a, b)  
*Pholus satellitia* Dr. (a, b)  
*Daraspa pholus* Cr. (a, b)  
*Sphecodina abbotti* Sw. (a, b)  
*Amphion nesus* Cr. (a, b)

- Xylophanes tersa L. (a, b)  
Celerio lineata Fab. (a, b)  
\* Hyloicus canadensis Bsdv. (a)

Saturniidae

- Samia cecropia L. (a, b)  
Callosamia angulifera Wlk. (a, b)  
C. promethea Dr. (a, b)  
Tropaea (Actias) luna L. (a, b)  
Telea polyphemus Cr. (a, b)  
Automeris io Fab. (a, b)  
Hemileuca sp. (a)

Ceratocampidae

- Anisota rubicunda Fab. (a, b)  
A. stigma Fab. (a, b)  
Citheronia regalis Fab. (a, b)  
C. sepulchralis G. & R. (a, b)  
Basilona imperialis Dr. (a, b)

Syntomidae

- Scepsis fulvicollis Wlk. (b)

Arctiidae

- Hypoprepia miniata K&F. (a, b)  
Halisidota tessellaris S. & A. (a, b, 10)  
Diacrisia virginica Fab. (a, b, 10)  
Isia isabella S. & A. (a, b, 10)  
Hyphantria cunea Dr. (b)  
Estigmene acrea Dr. (a, b, 10)  
Apantesis sp. (a)  
A. virgo L. (a, b)  
Utethesia bella L. (a, b)  
Haploa lecontei Bsdv. (a, 10)  
H. lecontei militaris Harr. (b, 15)  
\* Parsemia parthenos (a) (only record south of New York)

Noctuidae

- Heleothis obsoleta Fab. (b)  
Feltia annexa Tr. (b, 10)  
Lycophotia margaritosa saucia Hbn. (b)  
Polia renigera Steph. (a, b, 10)  
Cirphis unipuncta Haw. (b)  
Harrisimemna trisignata Wlk. (b, 10)  
Papaipema cerrusata G. & R. (a, b)  
P. nebris Gn. (b)  
Euthisenotia unio Hbn. (a, b, 15)  
Catocala cara Gn. (a, b)  
C. epione Dr. (a, b)  
C. gracilis Edw. (b, 10)  
C. grotiana Bailey (a)  
C. lacrymosa Gn. (a, b)  
C. neogama S. & A. (a, b)  
C. nubilus Hbn. (a)  
C. nurus Wlk. (a)  
C. obscura Stkr. (a, b)  
C. piatrix Grt. (a, b)  
C. vidua S. & A. (a, b)

- Euparthenos nubilis Hbn. (a, b) (Catocala nubulus)
- Zale coracias Gn. (b, 10)
- Z. minerea Gn. (b, 10)
- Autographa brassicae Riley (b)
- A. falcifera Kir. (a, 10)
- Erebus odora L. (a, b)
- Hypsoropha hormos Hbn. (b, 10)
- Epizeuxis julia B. & D. McD. (10)
- E. lubricalis Geyer (a, b, 10)
- Chytolita morbidalis Gn. (b, 10)
- Plathypena scabra Fab. (b, 10)
- \* Eustrotia 2 spp. (a)
- \* Feralia major Sm. (a)
- \* Marathysa infricita Wlk. (10)
- \* Thysania zenobis Cramer (a)

#### Notodontidae

- Symmerista albifrons S. & A. (a, b)
- Heterocampa bilineata Pkd. (b, 10)
- H. leucostigma A. & S. (10)
- H. umbrata Wlk. (b, 10)
- Hyparpax aurora S. & A. (a, b)

#### Lymantriidae

- Hemerocampa leucostigma S. & A. (b)
- Olene vagans B. & D. McD. (10)

#### Eupterotidae

- Apatelodes torrefacta S. & A. (a, b)

#### Lasiocampidae

- Tolyte velleda Stoll. (a, b)
- Malacosoma americana Fab. (b)
- \* Artace puntistriga Wlk. (10)

#### Geometridae

- Eudule mendica Wlk. (b, 10)
- Macaria bisignata Wlk. (a)
- Phasiane nigrocomina Warr. (b, 10)
- Epimecis sp. (a)
- Xanthotype crocataria Fab. (a, b)
- Pero marmoratus Gross (10)
- apica confusaria Hbn. (b, 17)
- Sabulodes aracsaria Wlk. (a)
- S. transversata Dr. (a, b)
- \* Lytropis unitaria HS (10)
- \* Rheumaptera luctuata D. & S. (a)
- \* Smiothisa bisignata Wlk. (10)

#### Psychidae

- Thyridopteryx ephemeraeformis Haw. (b)

#### Limacodidae

- Sibine stimulea Cl. (b). (a specimen of the larve was brought to Dr. Snyder at the Park in the summer of 1957, but was not retained.)
- Limacodes biguttata Pks. (b, 10)

Zygaenidae

Malthaca (Pyromorpha) dimidiata HS (b, 4)

Thyridae

Thyris lugubris Edw. (a, b, 10)

Pyralidae

Pantographa limata G. and R. (a, b)

Diaphania nitidalis Stoll. (b)

Evergestis rimosalis Gn. (b)

Herculia olinalis Gn. (a, b, 10)

Galleria mellonella Linn. (b)

Aegeridae

1 sp. unidentified (a)

Synanthedon exitiosa Say (b)

Alcathoe caudata Harr. (10)

Melittia satyriniformis Hbn. (b)

\* Conopia richardsi Englehart (4)

Tortricidae

Carpocapsa pomonella Linn. (b)

Yponomeutidae

Atteva aurea Fitch (a, b)

Cossidae

\* Eopantheria deflorata (Fab.) (a)

Diptera

Ptychopteridae

Bittacomorpha clavipes Fab. (b)

Tipulidae (NOTE: Genera are arranged alphabetically)

Antocha biarmata Alex. (36)

A. opalizans O.S. (36)

Atarba picticornis O.X. (36)

Austrolimnophila toxoneura (O.S.) (a)

Brachypremna dispellens Wlk. (a, b)

Dactylolabis hudsonica Alex. (36)

D. montana (O.S.) (36)

Dicranoptycha sp. (a)

D. sobrina O.S. (a, b, 36)

Dicranota oatawbiensis Alex. (36)

D. confusa (Alex.) (36)

D. flaveola (O.S.) (a)

D. rubescens Al. (a)

D. sp. (a)

Dolichopeza americana Needham (a)

D. carolus Al. (a)

D. dorsalis Johnson (a)

D. johnsonella Alex. (36)

D. polita Johnson (a)

D. sessilis Alex (36)

D. subvenosa Alex. (36)

D. tridenticulata Al. (a)

D. walleyi (Alex.) (36)

- Epiphragma solatrix O. S. (b, 36)
- Elephantomyia westwoodi O. S. (a, b)
- Erioptera caloptera Say (a, b)
- E. parva O. S. (b, 36)
- E. nyctops Al. (a, 36)
- E. septemtrionis O. S. (b, 3)
- Gnophomyia luctuosa O. S. (36)
- Gonomyia manca (O.S.) (36)
- G. subcinera O.S. (36)
- Hexatoma brachycera (O.S.) (36)
- H. brevicornis Alex. (36)
- H. fuliginosa (O.S.) (36)
- Limnophila anpustula Al. (a, 36) (L. angustulata Al.) ?
- L. brevifurca O.S. (b, 36)
- L. cherokeensis Al. (a, 36)
- L. fuscovaria O.S. (b, 36)
- L. johnsoni Alex. (36)
- L. liberata (O.S.) (a) (specimen lost) (Limonia liberata O.S.?)
- L. macrocera Say (b, 3, 36)
- L. munda O.S. (a, b, 36)
- L. niveitarsis O.S. (a, b)
- L. politissima Alex. (36)
- L. rudimentalis Alex. (36)
- L. rufibasis sedila Alex. (36)
- L. seticellula Alex. (36)
- L. soletilialis Al. (a, 36)
- L. stupkai Alex. (36)
- L. subcostata (Alex.) (36)
- Limonia apicata subapicata Alex. (36)
- L. diversa (O.S.) (36)
- L. divisa Alex (36)
- L. fusca Meigan (36)
- L. globithorax (O.S.) (36)
- L. indigena O.S. (a, b)
- L. lecontei Al. (a)
- L. liberata (O.S.) (36)
- L. rara (O.S.) (36)
- L. rostrata (Say) (36)
- L. simulans (Wlk.) (36)
- L. stulta (O.S.) (36)
- L. uliginosa Alex. (36)
- Lipsothrix sylvia (Alex.) (36)
- Liogma nodicornis O.S. (b, 36)
- Longurio minimus Alex. (b, 36)
- L. testaceus Loew. (b, 36)
- Molophilus auricomus Al. (36)
- M. fultonensis Al. (36)
- M. hirtipennis O.S. (a, b, 36)
- Neolimnophila appalachicola Alex. (36)
- Nephrotoma incurva Lw. (a, b.)
- N. xanthostigma Linn. (b)

*Ormosia apicalis* Al. (36)  
O. *bilineata* (Dietz.) (36)  
O. *innocens* (O.S.) (36)  
O. sp. (a)  
O. *townesi* Alex. (a, b)  
*Oropeza obscura* Johns. (a, b)  
O. *subalbipes* Johns. (b, 36)  
*Oxydiscus pleuralis* (Dietz.) (b, 2nd supplement, 36)  
*Pedicia autripennis nephophila* Alex. (36)  
P. *calcar* (O.S.) (36)  
P. *gigantea* Alex. (36)  
P. *inconstans* (O.S.) (36)  
P. *inconstans calcaroides* Alex. (36)  
P. *vernalis catawba* Alex. (36)  
*Probinophila areolata* (O.S.) (a) (*Prolimnophila areolata* O.S.? (36)  
*Pseudolimnophila contempta* (O.S.) (36)  
*Rhabdomastix hansonii* Alex. (36)  
*Shannonomyia lenta* (O.S.) (a, 36)  
*Tasiocera ursina* (O.S.) (36)  
*Tipula abdominalis* Say (a, b)  
T. *apicalis* Lw. (b, 36)  
T. *brevifurcata* Alex. (36)  
T. *catawbiana* Alex. (36)  
T. *coleana* Al. (a)  
T. *collais* (Say) (36)  
T. *duplex* Wk. (a)  
T. *entomophthorae* Alex. (b, 36)  
T. *friendi* Alex. (36)  
T. *fuliginosa* Say (a, b)  
T. *hermannia* Alex. (a, b)  
T. *monticola* Alex. (36)  
T. *oropezoides* Johns. (b, 36)  
T. *penobscot* Al. (a)  
T. *senega* Alex. (b, 36)  
T. *stenorhabda* Alex. (36)  
T. *tephrocephala* Lw. (b, 36)  
T. *valida* Loew (b, 36)  
*Ulmophora pilosella* (O.S.) (36)  
U. *rogersella* Alex. (36)

#### Psychodidae

*Pericoma carolina* Bks. (b)  
*Psychoda alternata* Say (b)  
P. *bicolor* Bks. (b)

#### Culicidae

1 sp., unidentified (a)  
*Megarhinus septentrionalis* D. & K. (b)  
*Psorophora posticata* Wied. (b)

#### Chironomidae

*Culicoides obsoletus* (Mg.) (a)  
*Palpomyia flavipiles* (Mg.) (a)  
*Crictopus bicinctus* (a)  
C. *varipes* (a)

- \* *Tendipes decorus* (Joh.) (a)
- \* *Stilobezzia lutea* (Malloch) (a)
- \* *Polypedilum scalaenum* (Schro.) (a)
- \* *Chasmonota unimaculatus* Lw. (a)

*Mycetophylidae*

- Macrocera* (*Euphrosyne*) *clara* Lw. (a, b)
- Mycomya littoralis* Say (4)
- M. sublittoralis* Shaw (3)
- Boletina tricincta* Lw. (4)
- Mycetophila paula* (4)
- Neuratelia desidiosa* (b, 2nd suppl; 3)

*Bibionidae*

- 2 spp. unidentified (a)
- Biblio albipennis* Say (b)

*Simuliidae*

- Simulium parnassum* Mall. (a)
- S. venustum* Say (a, b)

*Blepharoceridae*

- Blepharocera tenuipes* Wlk. (b, 47, 49)

*Rhagionidae*

- Coenomyia subpellucens* (Zett.) (15)
- Rhagio gracilis* Johns (a)
- R. vertebrata* Say (a, b, 15)
- Chrysopilus connexus* Johns (b, 15)
- C. ornatus* Say (b, 15)
- C. rotundipennis* Lw. (b, 15)

*Stratiomyiidae*

- Hermetia illucens* Linn. (a, b, 1, 2)
- Ptecticus trivittatus* Say (b)
- Odontomyia obscura* Ol. (b)

*Tabanidae*

- Chrysops mitis* (O.S.) (a, 1, 2)
- C. nigra* Mcq. (a, b)
- C. univittata* Mcq. (b)
- C. vittata* Wied. (b)
- Tabanus americanus* Forst. (a, b)
- T. atratus* Fab. (a, b)
- T. cinctus* Fab. (a, b)
- T. coffeatus* Mcq. (a, b)
- T. lasiophthalmus* Mcq. (a, b)
- T. molestus mixus* Philip (4)
- T. sparus* Whit. (a, b, 1, 2)
- T. sulcifrons* Mcq. (a, b)
- T. superjumentarius* Whit. (a, b)

Cyrtidae

Eulonchus marialiciae Brimley (b)

Mydidae

Mydas clavatus Dr. (a, b)

Asilidae

Leptogaster annulatus Say (b, 13)

L. pictipes Lw. (b, 13)

L. virgatus Coq. (b)

Ceraturgus nigripes Will. (b)

Dioctria albius Walker (13, 32)

D. brevis Bks. (b, 13)

Holocephala abdominalis Say (b)

H. calva Lw. (b, 13)

H. fusca Bromley (13) (Brimley?)

Holopogon guttula Wied. (b, 13)

Taracticus octopunctatus Say (b, 13)

Atomosia puella Wied. (a, b, 13, 32)

Cerotainia macrocera Say (b, 13)

Bombomima (Dasyllis) champlainii Walton (b, 13)

B. divisor Bks. (b, 13)

B. flavicollis Say (b, 32)

B. grossa Fab. (b, 32)

B. sacrator Wlk. (b, 32)

Laphria canis Will. (13)

L. sericea Say (b, 13, 32)

Asilus autumnalis Bks. (b, 32)

A. notatus Wied. (b, 13, 32)

A. orokne Wlk. (b, 32)

A. sadytes Wlk. (b, 13)

Erax aestuans Linn. (b, 13, 32)

E. rufibarbis Coq. (b, 32)

Mallophora orcina Wied. (b, 32)

Ommatius gemma Brimley (b, 13)

O. tibialis Say (b, 13)

\*Diognites neoteratus Bromley (13) (Brimley?)

Bombyliidae

9 spp. unidentified (a)

Anthrex analis Say (b)

Exoprosopa fasciata Meq. (b)

E. fasciennnis Say (b)

Villa lateralis Say (b)

Bombylius subvarius Johns (b)

Sparnopolius fulvus Wied. (b)

Systropus macer Lw. (b)

Dolichopodidae

Sciapus tener (Lw.) (a)

Diaphorus leucostoma Lw. (a, b)

D. spectabilis Lw. (a, b)

- Chrysotus sp. (a)  
 C.           barbatus Lw. (a, b)  
 C.           picticornis Lw. (a, b)  
 Neurigona disjuncta Van D. (a)  
 Dolichompus dorycerus Lw. (a, b, 39)  
 D.           flavilacertus V. D. (b, 39)  
 D.           funditor Lw. (b, 39)  
 D.           gratus Lw. (39)  
 D.           harbecki V. D. (b, 39)  
 D.           laciniatus Coq. (b, 39)  
 D.           pantomimus L. & B. (39)  
 D.           quadrilamellatus Lw. (b, 39)  
 D.           scapularis Lw. (b, 39)  
 D.           sexarticulatus Lw. (39)  
 D.           slossonae Van D. (a, 39)  
 Tachytrechus moechus Lw. (5)  
 Pelastoneurus neglectus Whlr. (a)  
 P.           ramosus Van D. (a)  
 P.           vagans Lw. (a, b)  
 \* Xanthochlorus helvinus Lw. (a)  
 \* Sympycnus frontalis Lw. (a)  
 \* Condyllostylus patibulatus (Say) (a, 5)  
 \* Hercostomus barbatulus (Lw.) (a)  
 \* H.           chaleochrus (Lw.) (a)  
 \* H.           crassicauda (Lw.) (a)  
 \* H.           flavus (Lw.) (a)  
 \* H.           frequens (Lw.) (a, 5)  
 \* H.           laevigatus (Lw.) (a)  
 \* H.           opacus (Lw.) (a, 5)

#### Phoridae

- \* Megaselia minor (Zett.) (a)  
 \* M.           scalaris (Lw.) (a)  
 \* Gymnophora arcuata (Mg.) (a, 1)

#### Syrphidae

- Microdon cothurnatus Big. (b)  
 M.           craigheadi Will. (1)  
 Chrysotoxum perplexum Johns. (b)  
 Paragus bicolor Fab. (a, b, 1, 13)  
 P.           tibialis Fall. (a, b, 1, 13)  
 Pipiza femoralis albopilosa Will. (a, b, 1)  
 P.           nigripilosa Will. (25)  
 Pipizella pubescens Lw. (1)  
 Heringia salax Lw. (a, b)  
 Chrysogaster nitida Wied. (a, b, 25)  
 Chilosia leucoparea Lw. (a, 13) (Cartosyrphus leucoparea Lw.)  
 Cartosyrphus capillata Lw. (b)  
 C.           pallipes Lw. (a, b, 13, 25)  
 Melanostoma angustatus Will. (a, b, 25)  
 M.           obscurum Say (a, b, 1, 13, 25)  
 M.           pictipes (a, 1, 13, 25)  
 Platychirus peltatus Mg. (25)  
 P.           quadratus Say (b, 25)

*Syrphus biglowi* Curr. (a)  
 S.     *rectus* O.S. (a, b, 1, 13, 25)  
 S.     *ribesii* Linn. (a, b)  
 S.     *torvus* O.S. (b, 25)  
 S.     *vitripennis* Macq. (25)  
*Didea laxa* O.S. (a, b, 25)  
 D.     (*Metasyrphus*) *osburni* (Cur.) (25)  
 D.     *vinelandi* Curr. (a, 25)  
 D.     *wiedemanni* John. (a, 13, 25)  
*Xanthogramma emarginata* Will. (a, b, 13, 25) (*Didea emarginatus* (Say) ?)  
 X.     *flavipes* Lw. (b, 1)  
*Allograpta obliqua* Say (a, b, 25)  
*Toxomerus* (*Mesogramma*) *geminata* Say (a, b, 1, 25)  
 T.     *marginata* Say (a, b, 13)  
 T.     *polita* Say (b, 25)  
*Sphaerophoria cylindrica* Say (a, b, 13, 25)  
 S.     *menthastri* L. (25)  
 S.     *robusta* Curr. (a, 1)  
 S.     *scripta* Linn. (b)  
*Sphegina armatipes* Mall. (1)  
 S.     *campanulata* Robt. (1)  
 S.     *keeniana* Will. (a, b)  
 S.     *lobata* Lw. (b, 25)  
*Baccha costata* Say (a, 25, 29)  
 B.     *fuscipennis* Say (b, 25)  
*Rhingia cruciata* (Say) (is this a Reduviid?)  
 R.     *nasica* Say (a, b, 1, 13, 25)  
*Volucella americana* John. (a, 1, 29)  
 V.     *vesiculosa* Fab. (a, b)  
*Sericomyia chrysotoxoides* Mcq. (b, 25)  
*Eristalis angustimarginatus* Lw. (1)  
 E.     *arbustorum* Linn. (b, 25)  
 E.     *dimidiatus* Wied. (b, 25)  
 E.     *latifrons* Lw. (a, b, 13)  
 E.     *metallica* Weid. (25)  
 E.     *tenax* Linn. (a, b, 1)  
 E.     *transversus* Wied. (a, b, 1, 25)  
*Pterallastes thoracicus* Lw. (b, 25)  
*Mallota posticata* Fab. (a, b, 25)  
*Tropidia albistylum* Mcq. (a, b, 25, 29)  
*Cynorhina badia* Wlk. (a, 13)  
 C.     *intersistens* Wlk. (b)  
*Eumerus tuberculatus* Rondani (b, 25)  
*Xylota angustiventris* Lw. (a, b, 13) (*Helophilus angustiventris* Lw.?)  
 X.     *baton* Lw. (b)  
 X.     *chalybea* Wied. (b, 25)  
 X.     *ejuncida* Say (b, 25)  
 X.     *hinei* Curr. (25)  
 X.     *pigra* Fab. (b)

- Syrirta pipiens Linn. (a, b, 1)
- Spilomyia fusca Coq. (a, b, 13, 25)
- S. longicornis Lw. (b, 25)
- Temnostoma alternans Lw. (a, b, 1)
- T. apiforme Fab. (a, 1)
- T. balyras Wlk. (a, b, 1)
- T. excentricum Harr. (b)
- T. pictula Will. (b, 25)
- T. trifasciata Rob. (b, 25)
- Milesia virginensis Dr. (a, b, 13, 25)
- Sphecomyia vittata Wied. (b, 13, 25)
- Geriodes signifera Lw. (b, 25)
- \* Chrysomya aepalius (Will.) (25)
- \* Epistrophe xanthostoma (Will.) (25)
- \* Lejops orion Hull (25)
- \* L. relictus C. & F. (25)
- \* Parhelophilus nigripilosa Will. (25)
- \* Xylotomina metallica Weid. (25)

#### Conopidae

- Physocephala marginata Say (b)
- Zodion obliquefasciatum Mcq. (b)
- Z. tibialis Say (b)
- Stylogaster neglecta Will. (b)
- Occomyia abbreviata Lw. (b)
- Myopa vesiculosa Say (b)
- \* Oncomyia propinqua Ald. (6)

#### Phasiidae

- Cistogaster immaculata Mcq. (a, b, 11)
- C. occidua Wlk. (a, b, 1)
- Gymnosoma fuliginosa Desv. (a, b, 11)
- Trichopoda formosa Wied. (b)
- T. lanipes Fab. (b, 11)
- T. pennipes Fab. (a, b, 1, 11)

#### Tachinidae

- Pseudeuanta pristis Wlk. (b, 11)
- Hyalomyodes triangulifera Lw. (b, 11)
- Syphophyto setigera Coq. (b, 11)
- Belvosia bifasciata Fab. (b, 11)
- B. unifasciata Desv. (b)
- Cylindromyia argentea Td. (a, b, 1)
- C. dosiades Wlk. (b, 11)
- C. euchenor Wlk. (b)
- Bonnetia compta Fall. (b)
- Nemorilla floralis Fall (a, 11)
- Zenillia viridis Q. & W. (11)
- Parachaeta fusca Td. (a, b, 11)
- Winthemia rufopicta Reinh. (b)
- Gonia senilis Will. (b, 11)

- Trichophora ruficauda V. d. W. (b)
- Cuphrocera hirsuta Tns. (1)
- Peleteria apicalis Wlk. (a, 1)
- Archytas aterrima Desv. (a, b, 1)
- A.           metallica R.D. (b, 11)
- A.           vulgaris Curr. (b)
- Fabriciella florum Wlk. (a, 11)
- Bombyliomyia abrupta Wied. (b)
- \* Coreocrypta ruficauda V. d. W. (11)
- \* Clistomorpha triangulifera Lw. (4)
- \* Euphorantha subopaca Coq. (4, 11)
- \* Exopalpus pompalis Rnh. (a, 11)
- \* Guerinia simulans Mg. (a, 1)
- \* Leschenaultia leucophrys Wd. (11)
- \* Leskiopalpus depile Coq. (11)
- \* Phasiomyia splendida Coq. (4, 11)
- \* Sphathidexia clemonsi Tns. (11)
- \* Symmesoma par Wlk. (1)
- \* Madremyia saundersii Will. (11)
- \* Euclytia flava Tns. (1)
- \* Amedoria luctuosa Mg. (a, b 2nd suppl.)
- \* Tachinophyto ancilla Tns. (11)

#### Dexiidae

- Melanophora roralis L. (b, 7)
- Ptilodexia harpasa Wlk. (b)
- \* Thelaria americana (a, 1)

#### Sarcophagidae

- Oppiopsis sheldoni Coq. (b, 11)
- Senotainia trilineata V. d. W. (a, b, 1)
- Metopia campestris Fall. (a, 11)
- M.           leucocephala Rossi. (a, b, 1)
- Sarcophaga bisetosa Parker (a, b, 1)
- S.           bullata Parker (a, b, 1)
- S.           cingarus Ald. (a, b, 1, 4, 11)
- S.           herminieri Desv. (a, 11)
- S.           latisterna Parker (a, b, 1, 11)
- S.           mendax Reinhart (15)
- S.           rapax Wlk. (a, 1, 11)
- S.           sarracenioides Ald. (b, 1) (S. misera sarracenioides Ald.)
- S.           scorparia Pand. (a)
- S.           setulosa V. d. W. (a, 1, 11)
- S.           stimulans Wlk. (a, 11)
- S.           ventricosa V. d. W. (a, 1, 11)
- \* Arcoglossa hesperidarum Will. (a, 1)
- \* Mericia ampola Wlk. (a, 11)
- \* M.           nigropalpis Ill. (a, 11)

Calliphoridae

- Phormia regina Meig. (a, b, 11)
- Cynomyia cadaverina Desv. (a, b)
- Calliphora erythrocephala Meig. (a, b, 11)
- C. vomitoria Linn. (b, 11)

Muscidae

- Stomoxys calcitrans Linn. (a, b, 1, 9)
- Musca domestica Linn. (observed by Dr. Snyder in Park summer 1957) (b)
- Cryptolucilia caesarion Meig. (b)
- Mesembrina latreillei Desv. (b, 9)
- Morellia micans Mcq. (a, b, 9)
- Graphomyia maculata Scop. (b)
- \* Spilogona parvimaculata Stein. (15)

Anthomyiidae

- Phaonia fusca Stein. (b, 9)
- P. serva Mg. (b, 9)
- Mydaea ancilla (Meig.) (a, 9) (M. ancilla ?)
- Helina obscurinervis Stein. (b, 15)
- Hebecnema umbratica Mg. (a, b, 9, 15)
- Hydrotaea palaestrica (L.) (9)
- Fannia americana Mall. (a)
- F. fuscata Fall. (a, 7, 15)
- Gymnodia arcuata Stein. (b, 15)
- Neodexiopsis calopyga Lw. (a, b)
- N. ovata Stein (b, 15)
- Limosia atrata Wlk. (b)
- L. lata Wlk. (b)
- Hoplogaster nigritarsis Stein (a, b, 7)
- Schoenomyza dorsalis Lw. (a, b, 7)
- S. litorella (Fall.) (a)
- Hylemyia alcathoe Wlk. (a, b, 7)
- H. cilicrura Rd. (a, b, 7)
- H. laevis Stein. (a, 7)
- H. trianularis Lw. (a)
- H. trivittata Stein. (a, b)
- Paregle cinerella Fallen (a, b)
- Pegomyia lipsia Wlk. (b, 9)
- P. univittata Vo. (15)
- Pycnoglossa pusillans Huck (a)
- Coenosia atrata (Wlk.) (a)
- C. nivea Lw. (a)

Scatophagidae

- Achaetella varipes Wlk. (a, b, 7)

Helomyzidae

- Tephrochlamys canescens (Meig.) (7)

Sciomyzidae

- Tetanocera nanciae Brimley (b)
- Euthycera arcuata uniformis Cr. (b)
- Limnia saratogensis Fitch (b)

Sapromyzidae

- Lauxaniella opaca Lw. (b, 41)
- Xenochaetina muscaria Lw. (b, 41)
- Minettia lupulina Fab. (a, b, 41)
- M. magna Coq. (b, 41)
- M. obscura Wlk. (b, 7)
- Sapromyza sp. (a)
- Sapromyzosoma philadelphica Mcq. (b)
- \* Homoneura fraterna Lw. (41)
- \* H. houghi Coq. (41)
- \* Lauxania cylindrocornia Fab. (41) (Family Lauxaniidae)

Ortalidae

- Amphicnephres pullus Wd. (a, 15)
- Rivellia viridulans Desv. (b)
- Tephronota ruficeps V. d. W. (b, 15)
- Chaetopsis fulvifrons Mcq. (a, b, 15)
- Seioptera albipes Cr. (b)

Trypetidae

- Straussia longipennis Wd. (a, 15)
- S. longipennis longitudinalis Lw. (b)
- Stenopa vulnerata Lw. (b, 4, 15)
- Neaspilota albidipennis (Lw.) (7)
- \* Copromyza equina Fall. (7)

Micropezidae

- \* Rainieria antennapes (Say) (a, 15)

Sepsidae

- Sepsis violacea Fall. (b)

Piophilidae

- Piophila casei Linn. (b)

Psilidae

- \* Pseudopsila collaris (Lw.) (7)

Ephydriidae

- Paralimna appendiculata Lw. (b)
- \* Nostima scutellaris Cresson (a)
- \* Hydrina debilis (Lw.) (a)
- \* Parydra quadrituberculata Lw. (7)

Chloropidae

- Chloropisca glabra (a, b) (Thanmatomyia glabra (Mg.))
- Diplotoxa versicolor Lw. (b, 7)
- Hippelates bishoppi Sabr. (a)
- H. dissidens Tucker (a, b)
- H. particeps Becker (a, b)

- Oscinella carbonaria* (Lw.) (a)
- O. *coxendix* Fitch (a)
- O. *minor* (Adams) (a)
- O. *neocoxendix* Sabr. (a)
- O. *soror* (Macq.) (a)
- \* *Parectecephala eucera* (Lw.) (a)

#### Drosophilidae

- Chymomyza amoena* Lw. (b, 33b)
- Drosophila affinis* Sturt. (b, 33, 33a)
- D. *algonquin* S. & D. (33)
- D. *athahasca* S. & D. (33, 33a)
- D. *buscki* Coq. (b, 33)
- D. *duncani* S. (33, 33a)
- D. *funnebris* Fab. (33)
- D. *guttifera* Wlk. (33)
- D. *hydei* Stur. (33)
- D. *immigrans* (33, 33a)
- D. *macrospina* S. & S. (33, 37)
- D. *magnafumosa* S. & S. (33, 37)
- D. *melanogaster* Meigen (b, 33, 33a)
- D. *melanica* Sturt. (b, 33a)
- D. *micromelanica* Patterson (33, 54)
- D. *nigromelanica* P. & W. (33, 54)
- D. *putrida* Sturt. (b, 33, 33a)
- D. *quinaria* Lw. (33)
- D. *robusta* S. (33, 33a)
- D. *sigmoides* Lw. (b, 33)
- D. *simulans* Sturt. (33)
- D. *submelanica* Patt. (33)
- D. *sulcata* Sturt. (33)
- D. *testacea* Van Roser (33, 33a)
- D. *texana* Patt. (33)
- D. *transversa* Fall. (33, 33a)
- D. *tripunctata* Lw. (33, 33a)
- Scaptomyza graminum* Fall. (a)
- S. *terminalis* (Lw.) (a)
- \* *Mycodrosophila dimidiata* Lw. (33)

#### Geomyzidae

- \* *Mumetopia occipitalis* Coq. (a)
- \* *Anthomyza* sp. (a)

#### Milichiidae

- Madiza cinerea* (Lw.) (a)

#### Agromyzidae

- \* *Paramyia nitens* Lw. (a)
- Agromyza* sp. (a)
- A. *amelanchieris* Gr. (b)

#### Hippoboscidae

- Lynchia americana* Leach (a, b)

Siphonaptera

Pulicidae

- Ctenocephalides canis Curtis (b)
- C. felis Bouche (b) ??

Dolichopsyllidae

- Ctenophthalmus pseudagyrtis Baker (b)

Hystrihopsyllidae

- \* Catallagia borealis (28)
- \* Corrodopsylla curvata (28)
- \* C. curvata new subsp. Pfitzer (28)
- \* C. curvata obtusa (28)
- \* C. hamaltoni (28)

Hymenoptera

Cimibicidae

- Trichiosoma spicatum MacG. (a, b)

Argidae

- Sterictophora zabriskei Ashm. (b)

Tenthredinidae

- 2 spp. unidentified (a)
- Strongylogastroidea apicalis Say (b)
- S. mellosus Norton (b)
- Bivena delta Prov. (b)
- Macrophya alba MacG. (b)
- M. trisyllaba Say (b)
- M. varia Norton (b)
- Caliroa aethiops Fab. (b)
- Cladius isomerus Norton (b)

Braconidae

- Chelonus sericeus Say (b)
- Bracon virginiensis Morr. (b)
- Ichneutidea secunda Roh. (b)
- Cardiochiles tibiator Say (b)
- Meteorus tauricornis (Prov.) (4)
- M. vulgaris (Cr.) (b, 4)
- Cratospila ridibunda Say (b)

Ichneumonidae

- Trogus buccatus Cr. (b)
- Amblyteles feralis Cr. (b)
- A. instabilis Cr. (b)
- A. maurator Br. (b)
- A. (Ichneumon) ormenus Cr. (a)
- A. quebecensis Prov. (b)
- A. rufiventris Br. (b)
- A. succinctus Br. (b)
- A. trizonatus Prov. (b)
- Ischnus atricollaris (Walsh) (a)
- I. sp. (a)

Dicaelotus clypeatus (Cr.) (a)  
Stenodontus sp. (a)  
Thaumatoteles ornatus (Cr.) (a)  
Pterocormus sp. (a)  
Melanichneumon disparilis Cr. (a)  
M. rubicoides Cr. (a) (?)  
M. sp. (a)  
Cratichneumon ericaeus Tow. (a)  
Pseudamblyteles milnus (Cr.) (a)  
Phaeogenes gaspesianus Prov. (a)  
Platylabus sp. (a)  
Stilpnus sp. (a)  
Myersia laminata Vier. (a, b)  
Atractodes sp. (a)  
Ethelurgus syrphicola (Ash.) (a)  
Acrolyta longicornis (Prov.) (a)  
A. nigricapitata (C. & P.) (a)  
Isodromas lycaenae (How.) (a)  
I. mesochori (Ash.) (a)  
I. sp. (a)  
Haplaspis mandibularis (Prov.) (a)  
Gnypetomorpha spp. (a)  
Sternocryptus sp. (a)  
Endasys sp. (a)  
Eriplanus sp. (a)  
Phygadeuon sp. (a)  
Hemiteles melicornis Ash. (a, b)  
Alegina sp. (a)  
Blapticus sp. (a)  
Symplecis sp. (a)  
Megastylus caseyi Ash. (a)  
Plectiscidea spp. (a)  
Aperileptus spp. (a)  
Leipaulus sp. (a)  
Phthorima 2 n. spp. (a) (det. Townes?)  
Picrostigeus sp. (a)  
Neurateleles sp. (a)  
Stenomarcus sp. (a)  
Gelis drassii (Rly.) (a)  
G. obscurus (Cr.) (a)  
G. tenellus (Say) (a)  
G. sp. (a)  
Spp of Hemiteolini (a)  
Smicroplectrus sp. (a)  
Bathythrix triangularis (Cr.) (a)  
B. n. sp. (a) (det. Townes?)  
Cryptus albitarsus (Cr.) (a, 15)

Aptesis sp. (a)  
Cubocephalus velox (Cr.) (a)  
Trychosis sp. (a) (genus listed in Brimley)  
Atopotrophos n. sp. (a) (det. Townes?)  
Asphragis sp. (a)  
Glypta sp. (a) (genus listed in Brimley)  
G. animosa Cr. (b, 15)  
G. impressa Ds. (b, 15)  
Lampronota scutellaris (Cr.) a, 27)  
L. varia Cr. (27)  
Pimploterus sp. (a)  
Phytodietus sp. (a)  
Theronia hilaris Say (a)  
T. septemtrionalis (Krg.) (a)  
Zabrachpus slossonae (Ds.) (a)  
Zatypota nicriceps (Walsh.) (a)  
Itoplectis conquisitor Say (a)  
Diacritus muliebris Cr. (a)  
Delomerista diprionis Cush. (a)  
Polysphincta pallipes Hgn. (a)  
Coccygomimus aequalis (Prov.) (a)  
C. sp. (a)  
Alophosternum foliicola Cush. (a)  
Clistopyga recurva Say (a, b)  
Acrodactyla n. sp. (a) (det. Townes?)  
Rhyssa sp. (a) (Genus listed in Brimley)  
Megarhyssa nortoni Cr. (a, b)  
Odontocolon strangaliae (Roh.) (a)  
Arotes sp. (Genus listed in Brimley) (a)  
Ichneumon sp. (a) (Genus listed in Brimley)  
Scambus sp. (a) (Genus listed in Brimley)  
Zyglyptus incompletus Cr. (a, b)  
Adelognathus pallipes (Grav.) (a)  
Pammicra dorsalis (Grav.) (a)  
Phrudus 2 n. sp. (det. Townes?) (a)  
Rhorus varifrons (Cr.) (a)  
Pion fucatus (Cr.) (a)  
Mesoleius sp. (a) (Genus listed in Brimley)  
Netelia delicata Tow. (a)  
Eclytus pleuralis (Cr.) (a)  
Neliopisthus piceae Cush. (a)  
Polyblastus fulvilinealis Hall. (a)  
P. tibialis (Cr.) (a)  
Thymaris negligere (O.S.) (a)  
Promethes n. sp. (a) (det. Townes?)  
Paniscus sayi Cush. (b)  
Diplazon laetatorius Fab. (b)  
Syrphoctonus agilis Cr. (a, b)  
S. minimus (Cr.) (a)  
Chorinaeus pleturus O.S. (a, 15)  
C. sp. (a)  
Colpotrichia trifasciatus Cr. (a, b)

- Exochus albifrons Walsh. (a, 15)  
E. atrocoxalis Cr. (15)  
E. pleuralis Cr. (a)  
E. xanthopsis Ash. (a)  
Campoplegidia l-animata Walley (3, 15) (C. laminata?)  
C. montrealensis (Vier.) (a)  
Enicospilus americanus (Christ.) (a, 1)  
Hypsicera sp. (a)  
Ophion tityri Pack (a, 3)  
Labrorynchus sp. (a)  
Aphanistes sp. (a)  
Cymodusa melnocera Vier. (a)  
Hyposoter annulipes (Cr.) (a)  
H. ochreofrons (Cosh.) (a)  
H. popofensis (Ash.) (a)  
H. sp. (a)  
Viereckiana villosus Nort. (b)  
Campoplex sp. (a) (Genus listed in Brimley)  
C. validus (Cr.) (a)  
Campoletis patsuiketorum (Vier.) (a)  
Phobocampe sp. (a)  
Horogenes sp. (a)  
Pristomerus euryptychiae Ash. (a)  
Proclitus spp. (a) (Genus listed in Brimley)  
Dallatorrea armata Ashm. (a, b)  
D. sp. (a)  
Ceratogastra ornata Say (b)  
Astiphromma n. sp. (a) (det. Townes?)  
Mesochorus discitergus (Say) (a)  
M. sp. (a)  
M. sylvarum Curt. (a)  
\* Cryptanura spinifera (Br.) (3, 15) (C. spinaria?)  
\* Ectopimorpha wilsoni (Cr.) (a, 3)  
\* Apanistes sp. (a)  
\* Coelichneumon coeruleus (Cr.) (a)  
\* C. maurator Andrews (3)

Trigonalidae

- Trigonalys pullatus Shuckard (b)  
\* Poecilognathos costalis Cr. (5)

Gasteruptionidae

- Gasteruption assectator assectator L. (7)  
G. montanus incertus Cr. (b)  
G. micrura Kieffer (b)  
G. tarsatorius Say (b,7) (Foenus tarsatorius Say?)

Proctotrupidae

- Proctotrupes rufigaster Prov. (b)

Peleciniidae

- Pelecinus polyturator Dr. (a, b)

Figitidae

- \* *Prosashicera similis* (Ashm.) (a)
- \* *Melanips lowensis* Ashm. (a)
- \* *Perlilissus* sp. (a)

Cynipidae

- Andricus* sp. (a)
- Callirhytis parva* Wald. (a)
- \* *Eucerotres primus* Ashm. (a) (*Euceroptres* ?)
- \* *Gonaspis potentilla* (Bass.) (3)
- \* *Paraspicera bakeri* Kief. (3)
- \* *Synergus dimorphus* (O.S.) (a)
- \* *S. laeviventris* (O.S.) (a)
- \* *Trisolaniella enigma* (Wald.) (a)
- \* *Xyalaspis flavipes* Ashm. (a)

Perilampidae

- Euperilampus triangularis* Say (b)
- Perilampus anomocerus* Cwfd. (b)
- P. *fulvicornis* Ashm. (b)
- P. *platygaster* Say (b)

Eucharidae

- Orasema violacea* Ashm. (b)

Chalcididae

- Brachymeria ovata* Say (b)
- Leucospis affinis* Say (b)
- Spilochalcis coxalis* Cr. (b, 27)

Evaniidae

- Hyptia harpyoides* Bradley (a, b, 7)

Formicidae

- Stigmatomma pallipes montigena* Creighton (26)
- S. *pallipes* (Hald.) (b, 20, 26)
- Ponera coarctata pennsylvanica* Buck. (b, 20, 26)
- P. *trigona opacior* Forel. (a, b, 26)
- Euponera gilva* (26)
- Eciton carolinensis* Emery (b, 20, 26)
- E. *nigrescens* (Cr.) (26)
- Myrmecina graminicola americana* Em. (b, 20, 26) (*M. americana* Em.?)
- Monomorium minimum* (Buck.) (b, 26)
- Solenopsis molesta* (Say) (b, 20, 26)
- Pheidole crassicornis* Em. (b, 26)
- P. *dentata commutata* Mayr. (26)
- P. *dentata* Mayr. (b, 26)
- P. *dentigula* M. R. Smith (26)
- P. *morrisi* Forel. (20, 26)
- P. *tysoni* Forel.
- P. *vinelandica* Forel. (*P. bicarinata vinelandica* Forel.) (b, 20, 26)

- Cremastogaster sp. (a)  
 C. ashmeadi Mayr. (b, 26)  
 C. laeviuscula Mayr. (b, 26)  
 C. lineolata cerasi Fitch. (b, 20)  
 C. lineolata Say (b, 26)  
 C. minutissima missouriensis Em. (26)  
 Stenamma brevicorne (Mayr.) (b, 20)  
 S. brevicorni diecki impressum Emery (26, 34) (S. impressum Em.?)  
 Aphaenogaster sp. (a)  
 A. ashmeadi Em. (26)  
 A. fulva aquia (Buck.) (b, 26)  
 A. fulva aquia picea Em. (b, 20)  
 A. fulva Roger (b, 26)  
 A. lamellidens Mayr. (b, 26)  
 A. rudis picea Em. (20, 26)  
 A. tennesseensis Mayr. (b, 26)  
 A. texana carolinensis Wh. (b, 26)  
 A. texana Em. (26)  
 A. texana punctithorax Cole (26, 34)  
 A. treatae Forel. (b, 26)  
 Myrmica lobicornis fracticornis Em. (26, 34) (F. fracticornia Em.?)  
 M. punctiventris pinetorum (20)  
 M. punctiventris Rog. (b, 26)  
 M. rubra scabrinodis (34)  
 Leptothorax curvispinosus Mayr. (b, 20, 26)  
 L. longispinosus Roger. (26)  
 L. pergandei Em. (20, 26)  
 L. schaumii (26)  
 L. tennesseensis Cole (34)  
 L. wheeleri M. R. Smith (26)  
 Cyphomyrmex septentrionalis seminole (Wh.) (26) (in subgenus Trachymyrmex)  
 Strumigenys creightoni (20)  
 Dolichoderus mariae Forel. (26)  
 D. plagiatus Mayr. (26)  
 D. taschenbei May. (a, 26)  
 Dorymyrmex pyramicus (Rog.) (b, 26)  
 Tapinoma sessile (Say) (a, b, 20, 26)  
 Iridomyrmex pruinosus analis (Andre) (26)  
 I. pruinosus Roger (26)  
 Brachymyrmex heeri dipilis Em. (b, 26) (B. depilis Em.?)  
 Prenolepis imparis (Say) (b, 20, 26)  
 Paratrechina parvula Mayr. (b, 26) (Prenolepis parvula Mayr.)  
 Lasius brevicornis Em. (b, 26)  
 L. claviger (Roger) (b, 26)  
 L. flavus nearcticus Wh. (26)  
 L. interjectus Mayr. (b, 26)  
 L. niger americanus Em. (b, 26)  
 L. niger neoniger Em. (b, 20, 26)  
 L. speculiventris Em. (26)  
 L. umbratus mixtus aphidicola Walsh (b, 20, 26) (L. aphidicola?)

- Formica difficilis* Forel. (26)  
F. *exsectoides* Forel. (26)  
F. *fusca* Linn. (b, 26)  
F. *fusca subsericea* Say (b, 20)  
F. *lecontei* K. & D. (b)  
F. *pallide-fulva* Latr. (b, 26)  
F. *pallide-fulva nitiventris* Em. (b, 20, 26)  
F. *pallide-fulva schaufussi incerta* (20)  
F. *pallide-fulva schaufussi* Mayr. (b, 26) (F. *schaufussi* Mayr.?)  
F. *rubicunda* Em. (26)  
F. *sanguinea subnuda* Em. (26)  
F. *schaufussi dolosa* Wh. (26)  
F. *subintegra* (26)  
*Camponotus caryae* (Fitch) (b, 26)  
C. *castaneus americanus* Mayr. (b, 20, 26)  
C. *castaneus* (Latr.) (b, 26)  
C. *herculeanus pennsylvanicus* (DeG.) (a, b, 20, 26)  
C. *herculeanus pennsylvanicus ferrugineus* (Fab.) (b, 26)  
\* *Hasius alienus americanus* Em. (a)  
\* *Proceratium croceum* (26)  
\* P. *silaceum* Roger (26)  
\* *Smithistruma clypeata* Roger (26)  
\* S. *creightoni* M. R. Smith (26)  
\* S. *ohioensis* K. & S. (26)  
\* S. *ornata* Mayr. (26)  
\* S. *puchella* (26)  
\* S. *reflexa* W. & W. (26)  
\* S. *rostrata* Em. (26)  
\* S. *talpa* Weber (26)  
\* *Sysphincta pergandei* Em. (26)

*Psammocharidae*

- Ceropales bipunctata* Say (b)  
C. *fraterna* Sm. (a, b)  
*Ageniella osoria* Bks. (2)  
*Pseudagenia architecta* Say (a, b, 1)  
P. *mellipes mellipes* Say (b, 3)  
*Priocnemis conicus* Say (a, b, 1)  
P. *fortis* Cr. (b, 3)  
P. *germanus* Cr. (a, b)  
P. *minorata* Bks. (b, 1, 3)  
P. *polilus* (Cr.) (a, 4)  
P. *pulchrina* Cr. (b, 7)  
P. *scitulus* Cr. (7)  
*Cryptocheilus fulvicornis* Cr. (b)  
C. *unifasciatus* Say (b)  
*Pepsis elegans* Lep. (a, b, 13)  
*Episyron biguttatus* Fab. (b)  
E. *quinquenotatus* Say (b)

- Psammochares aethiops* Cr. (a, b, 1)  
P.           *americanus* Beauv. (a, b, 13)  
P.           *atrox* Dahlb. (a, b, 1)  
P.           *carolinus* Bks. (b, 13)  
P.           *cylindricus* Cr. (a, b, 1)  
P.           *marginatus* Say (a, b, 13)  
P.           *philadelphicus* Lep. (b)  
P.           *tebemi* Brimley (b)  
P.           *virginiensis* Cr. (13) (*Onopilus verviniensis* (Cr.)?)  
*Arachnoproctonus ferrugineus* Say (a, b, 1, 13)  
\* *Calicurgus alienatus* Sm. (a, 1, 13)  
\* *Dinocnemis albipilosa* Cr. (4)  
\* D.           *fortis* Cr. (1, 13)  
\* *Disogon caliptra* (Say) (1)  
\* *Stenodynerus anormis* (Say) (a, 5)

Chrysididae

- 2 spp., unidentified (a)  
*Hedychrum violaceum* Br. (b)

Tiphiidae

- Myzine interrupta* Say (b)  
M.           *maculata* (Fab.) (a, 5)  
M.           *obscura* Fab. (a, b, 5)  
*Tiphia convexa* Allen (7)  
T.           *transversa* Say (b)  
*Methoca stygia* Say (b)  
*Myrmosa unicolor* Say (a, b, 5, 7)

Mutillidae

- Pseudomethoca canadensis* Bl. (b)  
P.           *frigida* (7)  
P.           *sanbornii* Cr. (b)  
P.           *simillima* Sm. (a, b, 5)  
*Dasymutilla allardi* Roh. (b)  
D.           *bexar* Bl. (b)  
D.           *nigripes* (Fab.) (a, 5)  
D.           *obscura* Bl. (a, b)  
D.           *occidentalis* Linn. (a, b) (*Mutilla occidentalis* ?)  
D.           *vesta* Cr. (a, b, 5)  
*Timulla dubitata dubitata* Smith (a, b, 5)  
\* *Aphuta pauxilla* Brad. (7)  
\* A.           *scrupea* (7)  
\* *Psorthaspis mariae* (Cr.) (a, 1)  
  *Sphaerophthalma pennsylvanica* scava Bl. (a, 5)

Scoliidae

- Scolia bicincta* Say (a, b, 1, 3)  
S.           *dubia* Say (a, b, 1)  
S.           *nobilitata* Fab. (a, b, 5)  
*Campsomeris plumipes plumipes* Drury (a, b, 5)  
C.           *quadrinaculata* Fab. (b)

Bethylidae

*Pristocera armifera* Say (b)

Vespididae

- Zethus spinipes* Say (a, b, 3, 17)
- Eumenes fraterna* Say (a, b, 1, 3)
- Pachymenes symmorpha* Sauss. (a, b, 5)
- Monobia quadridens* Linn. (a, b, 1, 7)
- Ancistrocerus birenimaculatus* Sauss. (a, b)
- A. *campestris* Sauss. (a, b, 1)
- A. *capra* Sauss. (b)
- A. *catskillensis* Sauss. (a, 1)
- A. *quadrisectus* Say (a, b, 1, 3)
- A. *tigris* Sauss. (a, b, 1)
- A. *unifasciatus* Sauss. (a, b, 1)
- Symmorphus canadensis* Sauss. (a, 1)
- S. *cristatus* Sauss. (a)
- Polistes annularis* (L.) (3)
- P. *canadensis annularis* Fab. (b)
- P. *fuscatus fuscatus* Fab. (b, 3, 4)
- P. *fuscatus metricus* Say (b, 1, 2)
- P. *fuscatus rubiginosus* Lep. (b, 1, 2)
- P. *hunteri* Beq. (3)
- Vespula adulterina arctica* Roh. (a, b, 7)
- V. *arenaria* Fab. (a, b, 7)
- V. *consobrina* Sauss. (a, b, 1, 7)
- V. *maculata* Kirby (a, b, 1, 7, 27) (*Vespa maculata* Linn.?)
- V. *maculifrons* Buy. (a, b, 1, 7)
- V. *norwegica norvegicoides* Sladen (a, b, 1, 7)
- V. *rufa vidua* Sauss. (a, b, 7)
- V. *squamosa* Drury (a, b, 1)
- V. *vulgaris* Linn. (b)

Sphecidae

- Larra analis* Fab. (b)
- Notogonidea argentata* Beauv. (a, b, 13) (*Notogonia argentata*?)
- Tachytes aurulentus* Fab. (b, 13)
- T. *distinctus* Sm. (a, b, 5)
- T. *obscurus* Cr. (b, 13)
- T. *praedator* Fox (b)
- Trypoxylon clavatum* Say (a, b, 7)
- T. *frigidum* Sm. (a, b, 7)
- T. *politum* Say (a, b, 5)
- T. *rubrocinctum* Fkd. (b)
- T. *striatum* Prov. (a, 5, 13)
- Chlorion auripes* Fern. (b, 13)
- C. *aztecum cinereum* Fern. (b, 13)
- C. *aztecum* Sauss. (b, 5)
- C. *cyaneum* Dahlb. (a, b)
- C. *harrisi* Fern. (a, b, 5)
- C. *ichneumoneum* Linn. (a, b)
- C. *opacum flavitarsis* Fern. (a, b, 5)
- C. *pennsylvanicum* Linn. (a, b, 5)
- C. *pubidorsum* A. Costa (*Priononyx bifoveolatum* Tasch) (b, 27)
- C. *rubidorsum* (Costa) (a)

- Sphex aureonotata* Com. (a, b, 5)  
*S. nigricans* Dahlb. (a, b, 5)  
*S. placidus* Sm. (a, b, 5)  
*S. procera* Klug. (b, 5)  
*S. unaria* Dahlb. (a, b, 5)  
*Sceliphron cementarium* Dru. (a, b)  
*S. cyaneum* Fab. (a, b, 5)  
*Psen myersiana* (Rohwer) (13)  
*P. psychrus* Pate (7)  
*Passaloecus relativus* Fox (a)  
*Pemphredon concolor* Say (b, 13)  
*P. inornatus* Say (b)  
*Stigmus fraternus* Say (b)  
*Alyson conicus* Prov. (7)  
*A. melleus* Say (b)  
*Gorytes articornis* Pack (a, 1)  
*G. phaleratus* Say (a, b, 13)  
*Zanysson plesia* Roh. (b)  
*Sphecius speciosus* Drury (a, b)  
*Philanthus bilunatus* Cr. (a, b)  
*P. carolinensis reductus* Bks. (b)  
*P. gibbosus* Fab. (a, b, 1)  
*P. politus* Say (b)  
*P. sanborni* Cr. (b)  
*Cerceris clypeata* Dahlb. (a, b, 5, 13)  
*C. finitima* Cr. (b)  
*C. fumipennis* Say (a, b, 1, 13)  
*C. imitatoria* Schlett. (b)  
*C. insolita* Cr. (b, 13)  
*C. kennicotti* Cr. (b, 13)  
*C. nigrescens* F. Smith (b, 5)  
*C. robertsoni* Fox (a, b, 13)  
*Bicyrtes quadrifasciata* Say (a, b, 1)  
*B. ventralis* Say (a, b, 13)  
*Blepharipus ater* (Cr.) (a, 1)  
*Grabro aequalis* Fox (13)  
*C. americana* (Leach) (a)  
*C. chrysarginus* Pkd. (b)  
*C. latifrons* Fox (b)  
*C. nitidiventris* Fox (b, 13)  
*C. tarsalis* (Fox) (7)  
*Entomognathus* sp. (b)  
*Anacrabro ocellatus* Pkd. (a, b)  
\* *Cemonus tenara* (Fox) (a, 13)  
\* *Pseneo kohlii* (Fox) (13)  
\* *Rygchium megaera* Lep. (a, 1) (R. megaera ?)  
\* *Solenius montanus* Cr. (a, 1)  
\* *Steniola pictifrons* (Sm.) (13)  
*Oxybelus subulatus* Rbtsn. (b)  
*Notoglossa americana* Rbtsn. (b)  
*N. emarginata* Say (b)

Hylaeidae

- Hylaeus ellipticus Kby. (a, 4)
- H. modestus Say (a, b, 4, 5)
- H. triangularis Ckll. (b)
- H. zizae Rob. (a, b, 5)

Colletidae

- Colletes aestivalis Pat. (b, 4)
- C. brevicornis Rob. (b, 4)
- C. compactus Cr. (b)
- C. eulophi Rob. (a, b, 4)
- C. inaequalis Say. (b)
- C. latitarsis Rob. (b)
- C. productus Rob. (b)
- C. solidaginis Swk. (b)

Andrenidae

- Trachandrena alleghaniensis Vier. (b)
- T. ceanothi Vier. (b)
- T. crataegi Rob. (b)
- T. imitatrix claytoniae Rob. (b)
- T. morrisonella Vier. (b) (Andrena morrisonella Vier.?)
- Andrena albispinata. (4)
- A. aliciae Rob. (b, 4)
- A. asteris Rob. (b)
- A. bisaliciis Vier. (b)
- A. confederata Vier. (b)
- A. cornelli Vier. (b)
- A. crataegi Rob. (a, 4)
- A. cressoni Rob. (b)
- A. fragariana Graen. (b)
- A. fragilis Sm. (a, b, 5)
- A. gardineri Ckll. (b)
- A. hilaris Sm. (b) (.)
- A. hirticincta Cr. (b)
- A. integra Sm. (b, 4)
- A. mandibularis Rob. (b)
- A. milwaukeeensis Green. (4)
- A. miserabilis Cr. (b)
- A. nasonii Rob. (b)
- A. nasonii fulvodorsata Vier. (b)
- A. nubecula Sm. (b) )
- A. perplexa Sm. (b)
- A. personata Rob. (b)
- A. pruni Rob. (a, b)
- A. robertsoni DT. (b)
- A. salictaria Rob. (b)
- A. solidaginis Rob. (b)
- A. tridens Rob. (a, b, 4)
- A. wheeleri Graen. (3)

Panurgidae

- Calliopsis andreniformis Sm. (a, b, 5)
- Panurginus potentillae Cwfd. (b)
- Pseudopanurgus albitarsis Cr. (b)
- P.                   gerardiae Cwfd. (b)
- P.                   labrosiformis Rob. (b)
- P.                   labrosus Rob. (b)
- P.                   rugosus Rob. (b, 5)
- P.                   virginicus Ckll. (b)
- Perdita bequaerti Vier. (b)
- P.       chrysopsina Tim. (b)
- P.       halictoides Sm. (b)
- P.       octomaculata Say (b)

Halictidae

- Agapostemon radiatum Say (a, b, 5)
- A.       splendens Lep. (b)
- A.       texanus Cr. (b)
- Augochlora confusa Rob. (b)
- A.       fervida Sm. (b)
- A.       fulgida Sm. (b)
- A.       pura Say (a, b, 1, 5, 27)
- A.       similis Rob. (b)
- Dialictus anomalus Rob. (b)
- Halictus abnaci Cwfd. (b)
- H.       arcuatus Rob. (b)
- H.       brimleyi Cwfd. (b)
- H.       brycinci Cwfd. (b)
- H.       coriaceus Sm. (b)
- H.       coreopsis Rob. (b)
- H.       foxii Rob. (b)
- H.       illinoensis Rob. (b)
- H.       lerouxii Lep. (b)
- H.       ligatus Say (a, b, 5)
- H.       obscurus Rob. (b)
- H.       pectoralis Sm. (b)
- H.       parallelus Say (b)
- H.       pilosus Sm. (b)
- H.       quadrifasciatus Rob. (b)
- H.       quebecensis Cwfd. (b)
- H.       sparus Rob. (b)
- H.       versatus Rob. (b)
- H.       vierecki Cwfd. (b)
- H.       zephyrus Sm. (b)
- Paralictus platyparius Rob. (b)
- P.       simplex Rob. (b)
- Sphecodes antennariae Rob. (b)
- S.       arvensis Pat. (b)
- S.       illinoensis Rob. (b)
- S.       pimpinella Rob. (b)
- S.       ranunculi Rob. (b, 4)
- S.       stygia Rob. (b)

- \* *Lasioglossum divergens* (Lov.) (a)
- \* L. *forbesii* Rob. (a)
- \* L. *fuscipennis* Sm. (5)
- \* L. *macoupiensis* Rob. (a, 5)
- \* L. *pectoralis* Sm. (a, 5)
- \* L. *quebecensis* Craford (5)
- \* *Pyrularia pubera* (a)
- \* *Augochlorella striata* (Prov.) (a, 1, 5)
- \* *Augochloropsis viridula* Sm. (a, 1, 5)
- \* *Chloralictus cressoni* Rob. (a, 5)
- \* C. *divergens* Lovell (5)
- \* C. *illinoensis* Rob. (a, 5)
- \* C. *lineatulus* Cwfd. (a, 5)
- \* C. *longiceps* Rob. (a, 5)
- \* C. *nigroviridens* Green (a, 5)
- \* C. *reticulatus* Robt. (5)

#### Nomiidae

- Paranomia maneei* Ckll. (b)

#### Megachilidae

- Prochelostoma philadelphia* Rob. (b)
- Alcidamea truncata* Cr. (b)
- Osmia albiventris* Cr. (b, 4)
- O. *distincta* Cr. (b)
- O. *lignaria* Say (b, 1, 4)
- O. *pumila* Cr. (b, 4)
- Megachile addenda* Cr. (b)
- M. *brevis* Say (a, b)
- M. *exilis parexilis* Mitch. (b)
- M. *frugalis* Cr. (b)
- M. *gemula* Cr. (a, b, 1)
- M. *inimica* Cr. (b)
- M. *latimanus* Say (b)
- M. *mendica* Cr. (a, b, 1, 4)
- M. *montivaga* Cr. (b)
- M. *parallela* Sm. (b)
- M. *petulans* Cr. (b, 4)
- M. *pugnata* Say (b)
- M. *relativa* Cr. (b)
- M. *texana* Cr. (b)
- M. *vidua appalachiensis* Mitch. (b)
- Coelioxys lucrosa* Cr. (b)
- C. *mendacina* Ckll. (b)
- C. *modesta* Cr. (b)
- C. *octodentata* Say (b)
- C. *sayi* Rob. (a, 4)
- \* *Chalcommia georgica* Cr. (1)
- \* *Hoplitis cylindricus* (Cr.) (a, 1)
- \* H. *productus* Cr. (a, 5)
- \* H. *simplex* Cr. (a, 1)

Stelidae

- Stelis diversicolor Grawford (5)
- S.       lateralis Cr. (b)
- Anthidiellum notatum Latr. (b)

Ceratinidae

- Ceratina calcarata Rob. (b)
- C.       dupla Say (a, b, 1, 3)
- C.       metallica Sm. (b)

Xylocopidae

- Xylocopa virginica Dr. (a, b, 1)

Anthophoridae

- Anthophora abrupta Say (a, b, 4)
- A.       bomboides Kby. (b, 4)
- A.       ursina Cr. (b)
- Clisodon terminalis Cr. (b)
- Melitoma taurea Say (b)
- Melissodes bimaculata Lep. (a, b, 4)
- M.       caliginosus Cr. (b)
- M.       communis Cr. (b)
- M.       comptoides Rob. (b, 4)
- M.       decemmaculata Lep. (4)
- M.       obliqua Say (b, 4)
- M.       perplexa Cr. (a, b, 4)
- Tetralonia atriventris Sm. (b)
- T.       dilecta Cr. (b)
- Xenoglossa pruinosa Say (b)
- X.       strenua Cr. (b)

Melectidae

- Epeolus anomalus Gwfd. (b)
- E.       bifasciatus Cr. (b)
- E.       interruptus Rob. (b)
- E.       scutellaris Say (b)
- E.       vernoniae Ckll. (b)
- Triepiolus concavus Cr. (b)
- T.       concolor Rob. (b)
- T.       cressoni Rob. (a, b, 4)
- T.       donatus Sm. (b)
- T.       lunatus Say (b)
- T.       pectoralis Rob. (b)
- T.       simplex Rob. (b)
- Holcopasites heliopsis Rbtsn. (b)

Nomadidae

- Nomada articulata Sm. (b)
- N.       besseyi Swk. (b)
- N.       carolinae Ckll. (b, 4)
- N.       crassula Ckll. (b)
- N.       cressoni Rob. (b)
- N.       incerta Cr. (b)
- N.       maculata Cr. (b, 4)
- N.       sayi Rob. (b)
- N.       tiftonensis Ckll. (b)

Bombidae

- Bombus affinis Cr. (a, b, 1, 4)
- B. americanorum Fab. (b)
- B. auricomus Rob. (b)
- B. bimaculatus Cr. (b)
- B. fervidus Fab. (a, b, 4, 5)
- B. impatiens Cr. (a, b, 1, 4)
- B. perplexus Cr. (a, b, 4, 5)
- B. separatus Cr. (b)
- B. terricola Kby. (b, 1)
- B. vagans (a, b)
- Psithyrus fernaldae Fr. (a, b, 4)
- P. insularis (Sm.) (4)
- P. laboriosus Fab. (b)

Apidae

- Apis mellifica Linn. (a, b)

Index to Orders, Families, and Genera

A

- Acanalonia - 12  
Acanthocephala - 7  
Acanthocinus - 25  
Acanthomyops - see Lasius  
Acortagallia - 11  
Achaetella - 43  
Achalarus - 31  
Acmacops - 23  
ACRIDIIDAE - 2  
Acrodactyla - 48  
Acrolyta - 47  
Acroneuria - 5  
Acropteroxys - 21  
Acrosternum - 7  
ACRYDIIDAE - 3  
Acrydium - 3  
Actias - see Tropaea  
Adalia - 21  
Adelognathus - 48  
Adelphocoris - 9  
AEGERIDAE - 34  
Aeschna - 4  
AESCHNIDAE - 4  
Agallia - 11  
Agalliopsis - 11  
Agapostemon - 57  
Agniolla - 52  
Agonoderus - 16  
Agraulis - see Dione  
Agrilaxia - 20  
Agrilus - 20  
Agrion - 5  
AGRIONIDAE - 5  
Agriotes - 19  
Agromyza - 45  
AGROMYZIDAE - 45  
Alaus - 18  
Alcathoe - 34  
Alcidamea - 58  
Alegina - 47  
Alepida - 9  
ALLECULIDAE (CISTELIDAE) - 21  
Allocapnia - 5  
Allograpta - 40  
Alloperla - 5  
Allosterna - 25  
Alobates - 21  
Alophosternum - 48  
Alphitobius - 21  
Altica - 26  
Alyson - 55  
Amblycorypha - 1  
Amblyscirtos - 31  
Amblytolos - 46  
Amedoria - 42  
Ampedus - 19  
Amphiagrion - 5  
Amphicnephros - 44  
Amphion - 31  
Amphigerontia - 6  
Anacrabro - 55  
Anaea - 29  
Anasa - 7  
Anaspis - 18  
Anax - 4  
Anaxipha - 2  
Anchomenus - 15  
Anisotocerus - 54  
Anelyoxypa - 31  
Androna - 56  
ANDRENIDAE - 56  
Andricus - 50  
Aneuris - 8  
Anisodactylus - 16  
Anisomorpha - 1  
Anisota - 32  
Anisotarsus - 16  
ANOBIIDAE - 22  
Anomala - 22  
Anomalagrion - 5  
Anomocea - 26  
Anomoglossus - 15  
Anomopsocis - 6  
Anoplorda - 25  
Anoplitus - 26  
Anormenus - 12  
Anthaxia - 20  
Anthidiellum - 59  
Anthobium - 16  
Anthoboscus - 24  
ANTHOCORIDAE - see MIRIDAE  
ANTHOMYIDAE - 43

Anthomyza - 45  
 Anthonomus - 27  
 Anthophilax - 23  
 Anthophora - 59  
 ANTHOPHORIDAE - 59  
 Anthous - 19  
 Anthrax - 38  
 Anthrenus - 20  
 Anthribius - 27  
 Antipus - 25  
 Antocha - 34  
 Apanistes - 49  
 Apantesis - 32  
 Apatelodes - 33  
 Aperileptus - 47  
 Aphalara - 13  
 Aphanistes - 49  
 APHIDIDAE - 13  
 Aphis - 13  
 Aphaenogaster - 51  
 Aphrastus - 27  
 Aphrophora - 10  
 Aphuta - 53  
 Apica - 33  
 APIDAE - 60  
 Apiomerus - 8  
 Apion - 27  
 Apis - 60  
 Aptesis - 48  
 Arachnoproctonus - see Psammochares  
 Aradus - 8  
 ARADIDAE - 8  
 Archimerus - 7  
 Archytas - 42  
 Arcoglossa - 42  
 ARCTIIDAE - 32  
 Argia - 5  
 Argidae - 46  
 Argynnis - see Speyeria  
 Arhopalus - 25  
 Arhyssus - 9  
 Arotes - 48  
 Arphia - 2  
 Arroplectia - 26  
 Artaco - 33  
 Arthromaca - 22  
 ASCALAPHIDAE - 3  
 ASILIDAE - 38  
 Asilus - 38  
 Asphragis - 48

Aspidiotus - 13  
 Astiphromma - 49  
 Astylopsis - 24  
 Ataenius - 22  
 Atalopodes - 31  
 Atarba - 34  
 Athripsodes - 28  
 Atlanticus - 1  
 Atlides - 30  
 Atomesia - 38  
 Atopotrophos - 48  
 Atractodes - 47  
 Atrytone - 31  
 Atrytonopsis - 31  
 Attagenus - 20  
 Attalus - 18  
 Attolabus - 27  
 Atteva - 34  
 Augochlora - 57  
 Augochlorella - 58  
 Aulacizes - 11  
 Aulonothroscus - 19  
 Austrolimniphila - 34  
 Augochloropsis - 58  
 Autographa - 33  
 Automoris - 32

B

Baccha - 40  
 BAETIDAE - 4  
 Baetis - 4  
 Balclutha - 12  
 Banasa - 7  
 Bandara - 12  
 Baptilinus - 17  
 Basiaeschna - 4  
 Basilarchia - 29 (see also Precis)  
 Basilona - 32  
 Bassarous - 25  
 Batylocma - 24  
 Bathythrinx - 47  
 BELASTOMATIDAE - 9  
 Bellamira - 24  
 Belvosia - 41  
 BEMBECIDAE - see SPHECIDAE  
 Bembidion - 14  
 BETHYLIDAE - 54  
 Bibio - 37  
 BIBIONIDAE - 37

Bicyrtes - 55  
 BITTACIDAE - 28  
 Bittacomorpha - 34  
 Bittacus - 28  
 Bivena - 46  
 Blasturus - 4  
 Blapticus - 31  
 Blatta - 1  
 Blatella - 1  
 BLATTIDAE - 1  
 Blepharocera - 37  
 BLEPHAROCERIDAE - 37  
 Blepharipus - 55  
 Boletina - 37  
 Boletobius - 17  
 Bolitotherus - 21  
 BOMBIDAE - 60  
 Bombomina - 38  
 Bombus - 60  
 BOMBYLIIDAE - 38  
 Bombyliomyia - 42  
 Bombylius - 38  
 Boyeria - 4  
 Bonnotia - 41  
 Boreades - 21  
 Boreus - 28  
 BRACHYCENTRIDAE - 29  
 Brachycentrus - 29  
 Brachyleptura - 24  
 Brachymeria - 50  
 Brachymyrmex - 51  
 Brachypremna - 34  
 Brachyptera - 5  
 Brachypterus - 20  
 Brachys - 20  
 Brachysaerosus - 20  
 Brachytarsus - 27  
 Bracon - 46  
 BRACONIDAE - 46  
 BRENTIDAE - 27  
 Brevicoryne - 13  
 Brochymena - 7  
 Brontes - 21  
 Bruchomorpha - 12  
 BUPRESTIDAE - 19  
 Buprestis - 19  
 Byturus - 20

C

CAECILIDAE - 6

Caenocara - 22  
 Calasymbolus - see Paonias  
 Calathus - 15  
 Calgus - 23  
 Calicurgus - 53  
 Caliroa - 46  
 Calladonus - 10  
 Callidryas - see Phoebe  
 Calligrapha - 26  
 Calliopsis - 57 (see also  
 Pseudopanurgus)  
 Calliphora - 43  
 CALLIPHORIDAE - 43  
 Callirhytis - 50  
 Callosamia - 32  
 CALOBATIDAE - see MICROPEZIDAE  
 Calopteron - 17  
 Calosoma - 14  
 Campoletis - 49  
 Camponotus - 52  
 Campoplegidia - 49  
 Campoplex - 49  
 Campsomeris - 53  
 Camptonotus - 1  
 Canifa - 22  
 CANTHARIDAE - 17  
 Cantharis - 17  
 Canthon - 22  
 Capnia - 5  
 CAPNIIDAE - 5  
 CARABIDAE - 14  
 Carabus - 14  
 Cardiochilos - 46  
 Cardiophorus - 19  
 Carpocapsa - 34  
 Cartomogilla - 21  
 Cartosyrphus - 39  
 Casnonia - 15  
 Catallagia - 46  
 Catia - 31  
 Catocala - 32  
 Catops - 16  
 Catopsilia - see Phoebe  
 Celario - 32  
 Celithemis - 5  
 Comonus - 55  
 Centrodera - 23  
 CERCERIDAE - see SPHECIDAE  
 Cercois - 55  
 CERCOPIDAE - 10  
 Cereyon - 16

- Cercyonis - 29
- Ceresa - 10
- Cerioides - 41
- CERAMBYCIDAE - 23
- Ceratina - 59
- CERATINIDAE - 59
- CERATOCAMPIDAE - 32
- Ceratogastra - 49
- Ceratomegilla - 21
- Ceratomia - 31
- Ceraturgus - 38
- Ceropales - 52
- Cerotainia - 38
- Cerotoma - 26
- Ceruchus - 23
- Ceuthophilus - 1
- Chaetocnema - 26
- Chaetopsis - 44
- CHALCIDIDAE - 50
- Chalcoides - 26
- Chalcommia - 58
- Chalcophora - 19
- Chalepus - 26
- Chalybion - see Sceliphron
- Chariessa - 18
- Chariosterus - 7
- Chasmonota - 37
- Chauliodes - 3
- Chauliognathus - 17
- Chelonus - 46
- CHERMIDAE (PSYLLIDAE) - 13
- Chilocorus - 21
- Chilosia - 39
- Chirida - 26
- CHIRONOMIDAE - 36
- Chlaenius - 15
- Chlamys - 25
- Chloralictus - 58
- Chlorion - 54
- Chloroperla - 5
- CHLOROPIDAE - 44
- Chloropisca - 44
- Chlorotettix - 12
- Chorinaeus - 48
- Chorthippus - 2
- Chortophaga - 2
- CHRYSIDIDAE - 53
- Chrysipilus - 37
- Chrysobothris - 20
- Chrysodina - 25
- Chrysogaster - 39
- Chrysomela - 26
- CHRYSOMELIDAE - 25
- Chrysomidia - 41
- Chrysopa - 3
- Chrysophanus - 31
- CHRYSOPIDAE - 3
- Chrysops - 37
- Chrysotoxum - 39
- Chrysotus - 39
- Chynomyza - 45
- Chytolita - 33
- Cicadella - 11
- CICADELLIDAE - 10
- CICADIDAE - 10
- Cicadula - 12
- Cicindela - 13
- CICINDELLIDAE - 13
- Cimex - 8
- CIMBICIDAE - 46
- CIMICIDAE - 8
- Circinalia - 15
- Cirphis - 32
- Cistogaster - 41
- Citheronia - 32
- Cixius - 12
- Cladius - 46
- Clastoptera - 10
- Cleis - 21
- CLERIDAE - 18
- Cleronomus - 17
- Clisodon - 59
- Clistomorpha - 42
- Clistopyga - 48
- Clivina - 14
- COCCIDAE - 13
- Coccinella - 21
- COCCINELLIDAE - 21
- Coccygomimus - 48
- Coelichneumon - 49
- Coelidia - 12
- Coelioxys - 58
- COENAGRIONIDAE - 5
- Coenomyia - 37
- Coenosia - 43
- Colaspis - 25
- COLEOPTERA - 13
- Colias - 30
- Collaria - 9
- Colletes - 56
- COLLETIDAE - 56
- Collops - 18

Colpotrichia - 48  
 Condyllostylus - 39  
 CONIOPTERIGIDAE - 3  
 Conocephalus - 1  
 Conoderes - 18  
 Conopia - 34  
 CONOPIDAE - 41  
 Conosoma - 17  
 Conotrachelus - 27  
 Copris - 22  
 Copromyza - 44  
 Cordulegaster - 4  
 Coreocrypta - 42  
 COREIDAE - 7  
 Corimelaena - 6  
 Corilus - 8  
 CORIMELAEINIDAE - see CYDNIDAE  
 CORISCIDAE - see COREIDAE  
 CORIZIDAE - see MIRIDAE  
 Corizus - 7  
 CORRODENTIA - 6  
 Corrodopsylla - 46  
 Corsicus - 7  
 Corydalis - 3  
 Corylophodes - 16  
 CORYNETIDAE - 18  
 Corythuca - 8  
 Cosmopepla - 7  
 COSSIDAE - 34  
 Cotinus - 23  
 CRABRINIDAE - see SPHECIDAE  
 Crabro - 55  
 Cratacanthus - 15  
 Cratichneumon - 47  
 Cratospila - 46  
 Crawfordia - 28  
 Cregya - 18  
 Cremastogaster - 51  
 Creophilus - 17  
 Crepidodera - 26  
 Crictopus - 36  
 Criocephalus - 23  
 Crossocerus - see Crabro  
 Crychus - see Scaphinotus or  
                   Sphaeroderus  
 Cryptanura - 49  
 Cryptarcha - 20  
 Cryptocephalus - 25  
 Cryptocerus - 1  
 Cryptochelius - 52  
 Cryptolucilia - 43

Cryptophorus - 25  
 Cryptus - 47  
 Ctenocephalides - 46  
 Ctenophthalmus - 46  
 Cubocephalus - 48  
 CUCUJIDAE - 21  
 Cuerna - 10  
 CULICIDAE - 36  
 Culicoides - 36  
 Cuphocera - 42  
 Curculio - 27  
 CURCULIONIDAE - 27  
 Cycharmus - 20  
 Cyclocephala - 23  
 Cycloneda - 21  
 CYDNIDAE - 6  
 Cyndrocharis - 14  
 Cyndromyia - 41  
 Cyllene - 24  
 Cymindis - 15  
 Cymodusa - 49  
 Cymus - 8  
 CYNIPIDAE - 50  
 Cynomia - 43  
 Cynorhina - 40  
 Cyperana - 12  
 Cyphomyrmex - 51  
 Cyphon - 20  
 CYRTIDAE - 38  
 Cyrtophorus - 24  
 Cyrtoxipha - 2

# D

Dactylolabis - 34  
 Dallatorrea - 49  
 Dalopius - 19  
 DANAIIDAE - 30  
 Danaus - 30  
 Darapsa - 31  
 DASCILLIDAE - 20  
 Dasyllis - see Bombomima  
 Dasymutilla - 53  
 Dectes - 24  
 Delomerista - 48  
 Deltocephalus - 12  
 Dendroides - 18  
 Dendrotettix - 2  
 Deraeocoris - 9  
 DERMATERA - 13  
 DERMESTIDAE - 20

Derobrachus - 23  
 Desmocerus - 24  
 DEXIIDAE - 42  
 Diabrotica - 26  
 Diacaelus - 15  
 Diaclitus - 57  
 Diacrisia - 32  
 Diacritus - 48  
 Diaperis - 21  
 Diaphania - 34  
 Diapheromera - 1  
 Diaphnidia - 9  
 Diaphorus - 38  
 Dicaelotus - 47  
 Dicerca - 19  
 Dichelonyx - 22  
 Dicranoptycha - 34  
 Dicranota - 34  
 Dicyphus - 9  
 Didea - 40  
 Dikraneura - 12  
 Dinastes - 23  
 Dinocnemis - 53  
 Dineutes - 16  
 Dioctria - 38  
 Diognites - 38  
 Dione - 30  
 Diplazon - 47  
 Diplectrona - 28  
 Diploperla - 5  
 Diplotaxis - 22  
 Diplotoxa - 44  
 DIPTERA - 34  
 Dircaea - 22  
 Disogon - 53  
 Disonycha - 26  
 Dissosteira - 2  
 Dolichoderus - 51  
 Dolichopeza - 34  
 DOLICHOPODIDAE - 38  
 DOLICHOPSYLLIDAE - 46  
 Dolichopus - 39  
 Dolopius - 19  
 Doru - 13  
 Dorymyrmex - 51  
 Draeculecephala - 11  
 Driatura - 12  
 Drosophila - 45  
 DROSOPHILIDAE - 45  
 Dryocoetes - 27  
 Dryopthorus - 27

Dysidius - 15  
 DYTISCIDAE - 16  
 Dytiscus - 16

E

Eburia - 23  
 Eciton - 50  
 Eclytus - 48  
 Ectopimorpha - 49  
 Ecyrus - 24  
 Elaphidion - 23  
 Elater - 19  
 ELATERIDAE - 18  
 Elephantomyia - 35  
 Ellipes - 2  
 Ellychnia - 17  
 Elsamotethus - 7  
 Emmesa - 22  
 Empoasca - 12  
 Enallagma - 5  
 Endasys - 47  
 Endria - 10  
 Enicospilus - 49  
 Enoclerus - 18  
 Enochrus - 16  
 Enodia - 29  
 Entomognathus - 55  
 Entylia - 10  
 Eopanteria - 34  
 Epargyreus - 31  
 Epeolus - 59  
 Ephemera - 3  
 Ephemerella - 4  
 EPHEMERIDA - 3  
 EPHEMERIDAE - 3  
 EPHYDRIDAE - 44  
 Epiaeschna - 4  
 Epicauta - 18  
 Epicordulia - 4  
 Epilachna - 21  
 Epimecis - 33  
 Epiphragma - 35  
 Epizeuxis - 33  
 Epistrophe - 41  
 Episyrion - 52  
 Eracanthus - 10  
 Erax - 38  
 Erebus - 33  
 Ereptogomphus - 4  
 Erioptera - 35

Eriosoma - 13  
 Eriplanus - 47  
 Eristalis - 40  
 Eritettix - 2  
 Eros - 17  
 EROTYLIDAE - 21  
 Erynnis - 31  
 Erythemis - 4  
 Erythroneura - 12  
 Estigmene - 32  
 Ethelurgus - 47  
 EUCERIDAE - see ANTHOPHORIDAE  
 Eucerolitres - 50  
 EUCHARIDAE - 50  
 Euclytia - 42  
 Eudercus - 24  
 Eudule - 33  
 Euferonia - 15  
 Eugnamptus - 27  
 Eulonchus - 38  
 Eumenes - 54  
 EUMENIDAE - see VESPIDAE  
 Eumerus - 40  
 Euparius - 27  
 Euparthenos - 33  
 Euperilampus - 50  
 Euphorantha - 42  
 Euphoria - 23  
 Euphrosyne - see Macrocera  
 Euphydrias - 29  
 Euponera - 50  
 Eupsalis - 27  
 Euptchia - see Neonympha  
 Eupterix - 10  
 EUPTEROTIDAE - 33  
 Euptoieta - 30  
 Euptychia - see Neonympha  
 Eurema - see Terias  
 Euremus - see Colias  
 Eurypogon - 20  
 Eurymyceter - 27  
 Euscelis - 12  
 Euschistus - 7  
 Eustrotia - 33  
 Euthisanotia - 32  
 Euthochtha - 7  
 Euthycera - 43  
 Euthyrhynchus - 7  
 Evacanthus - 11  
 EVANIIDAE - 50  
 Evarthrus - 14

Everes - 30  
 Evergestis - 34  
 Evodinus - 23  
 Exitianus - 10  
 Exochus - 49  
 Exopalpus - 42  
 Exoprosopa - 38

F

Fabriciella - 42  
 Fannia - 43  
 Feltia - 32  
 Fenestrella (Feniseca) - 30  
 Feralia - 33  
 Feronina - 14  
 Fidia - 25  
 FIGITIDAE - 50  
 Flexamia - 10  
 Foenus - 49  
 FORFICULIDAE - 13  
 Formica - 52  
 FORMICIDAE - 50  
 FULGORIDAE - 12

G

Galerita - 15  
 Galgupha - 6  
 Galleria - 34  
 Garganus - 9  
 Gargaphia - 8  
 Gasteruption - 49  
 GASTERUPTIONIDAE - 49  
 Gastrellarius - 14  
 Gastroidea - 26  
 Gatlinia - 28  
 Gaurotes - 23  
 GELASTOCORIDAE - 9  
 Gelastocoris - 9  
 Gelis - 47  
 Geocoris - 8  
 GEOMETRIDAE - 33  
 GEOMYZIDAE - 45  
 Geotrupes - 22  
 GERRIDAE - 9  
 Gerris - 9  
 Glossosoma - 28  
 Glyphonyx - 19  
 Glypta - 48  
 Glytobaris - 27

Gnophomyia - 35  
 Gnorimella - 23  
 Gnypetromorpha - 47  
 Goera - 6  
 GOERIDAE - 6  
 Goes - 24  
 Gomphus - 4  
 Gonaspis - 50  
 Gonia - 41  
 Gonomyia - 35  
 GORYITIDAE - see SPHECIDAE  
 Gorytes - 55  
 Graminella - 10  
 Grammoptera - 25  
 Graphocephala - 11  
 Graphomyia - 43  
 Graphops - 25  
 Grapta - see Polygonia  
 GRYLLIDAE - 2  
 Gryllotalpa - 2  
 Gryllus - 2  
 Guerinia - 42  
 Gymnodia - 43  
 Gymnophora - 39  
 Gymnosoma - 41  
 Gypona - 11  
 GYRINIDAE - 16  
 Gyrohypnus - 16

# H

Hadenocercus - 1  
 Haemorrhagia - 31  
 HALICTIDAE - 57  
 Halictoxenos - 28  
 Halictus - 57  
 Halisidota - 32  
 Haltica - 26  
 Hammacerus - 8  
 Hapalosalia - 23  
 Haplaspis - 47  
 Haplaxius - 12  
 Haploa - 32  
 Haplothrips - 6  
 Harmostes - 7  
 Harpalus - 15  
 Harrisimemba - 32  
 Hasius - 52  
 Hastaperla - 5  
 Hebecnema - 43  
 Hedyohrum - 53

Heleothis - 32  
 HELICONIIDAE - 30  
 Helina - 43  
 Heliophilus - 40  
 Heliothis - 32  
 HELODIDAE - 20  
 HELOMYZIDAE - 43  
 HEMEROBIIDAE - 3  
 Hemerocampa - 33  
 Hemicleptus - 19  
 Hemileuca - 32  
 HEMIPTERA - 6  
 Hemiteles - 47  
 Hemitelini - 47  
 Heptagenia - 3  
 HEPTAGENIIDAE - 3  
 Hesperia - 31  
 Hercostomus - 39  
 Herculia - 34  
 Heringia - 39  
 Hermetia - 37  
 Herodes - 30  
 Herse - 31  
 HESPERIIDAE - 31  
 Hetaerina - 5  
 Heterocampa - 33  
 Hexatoma - 35  
 Hippelates - 44  
 Hippiscus - 2  
 HIPPOBOSCIDAE - 45  
 Hippodamia - 21  
 Hippopsis - 24  
 Hister - 17  
 HISTERIDAE - 17  
 Holcopasites - 59  
 Holocephala - 38  
 Holopogon - 38  
 Homeotarsus - 17  
 Homomaenus - 6  
 Homoneura - 44  
 HOMOPTERA - 10  
 Hoplia - 22  
 Hoplitus - 58  
 Hoplogaster - 43  
 Horistonotus - 19  
 Horogenes - 49  
 HYALEIDAE - 56  
 Hyaliodes - 9  
 Hyalomysodes - 41  
 Hydnocera - 18  
 Hydrina - 44

HYDROPHILIDAE - 16  
 Hydrophilus - 16  
 Hydropsyche - 28  
 HYDROPSYCHIDAE - 28  
 Hydrotaea - 43  
 Hylaeus - 56  
 Hylastes - 27  
 Hylemyia - 43  
 Hylephila - 31  
 Hylobius - 27  
 Hyloicus - 32  
 Hylotrupes - 24  
 Hymenarcys - 7  
 HYMENOPTERA - 46  
 Hyparpax - 33  
 Hypermallus - 23  
 Hypoprepia - 32  
 Hyposoropha - 33  
 Hyposoter - 49  
 Hysicera - 49  
 Hyptia - 50  
 HYSTRICHOPSYLLIDAE - 46

I

Ichneumon - 48 (see also Amblyteles)  
 ICHNEUMONIDAE - 46  
 Ichneutidea - 46  
 Idiocerus - 11  
 Idiopidonia - 25  
 Idoneus - 12  
 Ilnacora - 9  
 Incisalia - 30  
 Isoperla - 5  
 Iridomyrmex - 51  
 Iron - 4  
 Ischneura - 5  
 Ischnorhynchus - 8  
 Ischnus - 46  
 Isdromas - 47  
 Isia - 32  
 Isohydnocera - 18  
 Isomira - 21  
 Isonychia - 4  
 ISOPTERA - 3  
 Itoplectis - 48

J

Jalysus - 8  
 Jassus - 12

Judolia - 24

K

Kleidocerys - 9  
 Kolla - 11

L

Labrorynchus - 49  
 Lachesilla - 6  
 Lactica - 26  
 Laevicephalus - 10  
 LAGRIIDAE - 22  
 Lampronota - 48  
 LAMPYRIDAE - 17  
 Languria - 21  
 Lanthus - 4  
 Laphria - 38  
 Larra - 54  
 LARRIDAE - see SPHECIDAE  
 LASIOCAMPIDAE - 33  
 Lasioglossum - 58  
 Lasius - 51  
 LATHRIDIIDAE - 21  
 Lathridius - 21  
 Latulus - 10  
 Lauxania - 44  
 LAUXANIDAE - see SAPROMYZIDAE  
 Lauxaniella - 44  
 Lebia - 15  
 Leipaulus - 47  
 Lejops - 41  
 Lema - 25  
 LEUCTRIDAE - see NEMOURIDAE  
 LEPIDOPTERA - 29  
 Lepidosaphes - 13  
 Lepidostoma - 29  
 Lepisma - 1  
 LEPISMIDAE - 1  
 Leptinotarsa - 26  
 LEPTOCERIDAE - 28  
 Leptocerus - 28  
 Leptogaster - 38  
 Leptoglossus - 7  
 Leptostylus - 24  
 Leptothorax - 51  
 Leptura - 24  
 Lepturges - 24  
 Lepyrionia - 10  
 Lerema - 31

Lerodea - 31  
Leschenaultia - 42  
Leskiopalpus - 42  
Lethia - see Enodia  
Leucospis - 50  
Leuctra - 6  
Libellula - 4  
LIBELLULIDAE - 4  
Liburniella - 12  
Libythea - 30  
LIBYTHEIDAE - 30  
Ligyris - 23  
Limacodes - 33  
LIMACODIDAE - 33  
Limenitis - see Basilarchia  
LIMNEPHILIDAE - 29  
Limnia - 43  
Limnochoris - 31  
Limnophila - 35  
Limonia - 35  
Limonus - 19  
Limosia - 43  
Lina - 26  
Liogma - 35  
Liothrips - 6  
LIPARIDAE - see LYMANTRIIDAE  
Lipeurus - 6  
Lipsothrix - 35  
Lixus - 27  
Longurio - 35  
Lophopompilus - see Psammochares  
Lopidea - 9  
LUCANIDAE - 23  
Lucanus - 23  
Lucidota - 17  
Ludius - 19  
Luperaltica - 26  
Luperodes - 26  
Lycaena - 30  
LYCAENIDAE - 30  
Lycaenopsis - 30  
LYCIDAE - 17  
Lycophotia - 32  
LYGAEIDAE - 8  
Lygaeus - 8  
Lygus - 9  
LYMANTRIIDAE - 33  
Lynchia - 45  
Lytropis - 33

M

Macaria - 33  
MACHILIDAE - 1  
Machilis - 1  
Macrobasis - 18  
Macrocera - 37  
Macroductylus - 22  
Macromia - 4  
Macronema - 28  
Macronetus - 14  
Macrophya - 46  
Macrosteles - 10  
Madiza - 45  
Madremyia - 42  
Magicicada - 10  
Malacosoma - 33  
Mallophora - 38  
Mallota - 40  
Malthaca - 34  
MANTIDAE - 1  
Marathysa - 33  
Meadorus - 7  
Mecas - 25  
MECOPTERA - 28  
Megachile - 58  
MEGACHILIDAE - 58  
Megaleuctra - 6  
Megalodacne - 21  
Megarhinus - 36  
Megarhyssa - 48  
Megaselia - 39  
Megastylus - 47  
Megilla - 21  
Megistias - see Lerodea  
Melanichneumon - 47  
MELANDRYIDAE - 22  
Melanips - 50  
Melanolestes - 8  
Melanophila - 19  
Melanophora - 42  
Melanophthalma - 21  
Melanoplus - 2  
Melanostoma - 39  
Melanotus - 19  
MELECTIDAE - 59  
Meligethes - 20  
Melissodes - 59  
Melitaea - see Phycoides

Melitoma - 59  
 Melittia - 34  
 Meloe - 18  
 MELOIDAE - 18  
 Melormenus - 12  
 MELYRIDAE - 18  
 MEMBRACIDAE - 10  
 Menecles - 7  
 Mericia - 42  
 Merocoris - 7  
 Mesembrina - 43  
 Mesochorus - 49  
 Mesogramma - see Toxomerus  
 Mesoleius - 48  
 Metalepa - 1  
 Metasyrphus - see Didea  
 Meteorus - 46  
 Methoca - 53  
 Metopia - 42  
 METOPIDAE - see SARCOPHAGIDAE  
 Metriona - 26  
 Micranthia - 9  
 Micrasema - 29  
 Microcentrum - 1  
 Microdon - 39  
 Microgoes - 24  
 Micromus - 3  
 MICROPEZIDAE - 44  
 Milesia - 41  
 MILICHIIDAE - 45  
 Minettia - 44  
 Mineus - 7  
 MIRIDAE - 9  
 Molanna - 6  
 MOLANNIDAE - 6  
 Molophilus - 35  
 Monalocoris - 9  
 Monobia - 54  
 Monochamus - 24  
 Monoferonia - 14  
 Monomorium - 50  
 Mordella - 18  
 MORDELLIDAE - 18  
 Mordellisterna - 18  
 Morellia - 43  
 Mormidea - 7  
 Mumetopia - 45  
 Murgantia - 7  
 Musca - 43  
 MUSCIDAE - 43  
 Mutilla - see Dasymutilla

MUTILLIDAE - 53  
 Mycetophila - 37  
 MYCETOPHILIDAE - 37  
 Mycodrosophila - 45  
 Mycomyia - 37  
 Mycterus - 22  
 Mydaea - 43  
 MYDAIDAE - 38  
 Mydas - 38  
 Mydocha - 8  
 Myersia - 47  
 MYLABRIDAE - see CURCULIONIDAE  
 Mylabris - 27  
 Myochorous - 25  
 Myopa - 41  
 Myrmecina - 50  
 Myrmecophila - 2  
 Myrmeleon - 3  
 MYRMELIONIDAE - 3  
 Myrmica - 51  
 Myrmosa - 53  
 Mystrophora - see Glossoma  
 Myzine - 53

N

NABIDAE - 8  
 Nabis - 8  
 Nasutoideus - 10  
 Nearctopsylla - 46  
 Neaspilota - 44  
 Nebria - 14  
 Necrophorus - 16  
 NEIDIDAE - 8  
 Neliopisthus - 48  
 Nemobius - 2  
 Nemorilla - 41  
 NEMOURIDAE - 6  
 Neoclytus - 24  
 Neoconocephalus - 1  
 Neodexiopsis - 43  
 Neoharmonia - 21  
 Neokolla - 10  
 Neolimnophila - 35  
 Neolygus - 9  
 Neomysia - 21  
 Neonympha - 29  
 Neoperla - 5  
 Neophasganophora - 5  
 Neopyrochroa - 18  
 Neotettix - 3

Neoxabea - 2  
 Nephrotoma - 35  
 Netelia - 48  
 Neurateles - 47  
 Neuratelia - 37  
 Neurigona - 39  
 Neurocolpus - 9  
 Neuronina - 28  
 Neuropsycha - 29  
 NEUROPTERA - 3  
 Nigronia - 3  
 NITIDULIDAE - 20  
 NOCTUIDAE - 32  
 Nodonota - 25  
 Nomada - 59  
 NOMADIDAE - 59  
 Nomeretus - 15  
 NOMIIDAE - 58  
 Nomotettix - 3  
 Norvellana - 10  
 Nostima - 44  
 Notiophilus - 14  
 Notiopsycha - 29  
 NOTODONTIDAE - 33  
 Notoglossa - 55  
 Notogonia - see Notogonidea  
 Notogonidea - 54  
 NOTONECTIDAE - 9  
 NYMPHALIDAE - 29  
 Nymphalis - 29  
 Nysius - 8

O

Oberea - 25  
 Obrium - 23  
 Occemyia - 41  
 Ochrosidia - 23  
 ODONATA - 4  
 Odontocolon - 48  
 Odontocorynus - 27  
 Odontomyia - 37  
 Oecanthus - 2  
 Oeclus - 12  
 Oedancala - 8  
 Oedionychis - 26  
 Olene - 33  
 Oliarus - 12  
 Ommatius - 38  
 Oncideres - 24  
 Oncometopia - 11  
 Oncomyia - 41  
 Oncopeltus - 8

Oncopsis - 11  
 Onopilus - see Psammochares  
 Ontholestes - 17  
 Onthophagus - 22  
 Ophion - 49  
 Oppiopsis - 42  
 Orasema - 50  
 Orchelimum - 1  
 Orius - 9  
 Ormosia - 36  
 Oropeza - 36  
 Orphilus - 20  
 Orphulella - 2  
 Orsodacne - 25  
 ORTALIDAE - 44  
 Orthaea - 8  
 Orthaltica - 26  
 Ortholomus - 8  
 ORTHOPERIDAE - 16  
 ORTHOPTERA - 1  
 Orthosoma - 23  
 Oscinella - 45  
 Osmia - 58  
 Osmoderma - 23  
 OSTOMIDAE - 20  
 Oxybelus - 55  
 Oxycnemis - 20  
 Oxydiscus - 36  
 Oxygonus - 19  
 Oxyporus - 17

P

Pachonychus - 26  
 Pachybrachys - 25  
 Pachydiplax - 5  
 Pachymenes - 54  
 Pachyschelus - 20  
 Pachystethus - 23  
 Paederus - 16  
 Pagaronia - 11  
 Pallodes - 20  
 Palpomyia - 36  
 Pammicra - 48  
 Panagaeus - 14  
 Pandeletarius - 27  
 Paniscus - 47  
 Panoquina - 31  
 Panorpa - 28  
 Pantographa - 34  
 PANURGIDAE - 57  
 Panurginus - 57

- Paenias - see Calasymbolus  
 Papaipema - 32  
 Papilio - 30  
 PAPILIONIDAE - 30  
 Parabolocratus - 12  
 Parachaeta - 41  
 Paradalophora - 2  
 Paraferonia - 15  
 Paragapetus - 28  
 Paragus - 39  
 Paraleptophlebia - 4  
 Paralictus - 57  
 Paralimna - 44  
 Parallelina - 24  
 Paramyia - 45  
 Paranomia - 58  
 Paraphlepsius - 12  
 Parapsyche - 28  
 Paraspicera - 50  
 Paratenetus - 21  
 Paratettix - 3  
 Paratrechina - 51  
 Parectecephala - 45  
 Paregle - 43  
 Parhelophius - 41  
 Paria - 26  
 Parsemia - 32  
 Parydra - 44  
 Pasimachus - 14  
 PASSALIDAE - 23  
 Passaloecus - 55  
 Passalus - 23  
 Patrobus - 14  
 Pedicia - 36  
 Pegomyia - 43  
 Pelastoneurus - 39  
 PELECINIDAE - 49  
 Peleteria - 42  
 Pelidnota - 23  
 Peltoperia - 5  
 Pelycinus - 49  
 Pemphredon - 55  
 PEMPHREDONIDAE - see SPHECIDAE  
 PENTATOMIDAE - 7  
 Penthe - 22  
 Penthemia - 11  
 Pepsis - 52  
 Perdita - 57  
 Peribalus - 7  
 Pericoma - 36  
 PERILAMPIDAE - 50  
 Perilampus - 50  
 Perilissus - 50  
 Periplaneta - 1  
 Peripsocus - 6  
 Perla - 5  
 Perlesta - 5  
 PERLIDAE - 5  
 Pero - 33  
 Phaeogenes - 47  
 PHALACRIDAE - 21  
 PHALAEINIDAE - see NOCTUIDAE  
 Phanaeus - 22  
 Phanerota - 16  
 Phaonia - 43  
 Phasiane - 33  
 PHASIIDAE - 41  
 Phasiomyia - 42  
 PHASMIDAE - 1  
 Pheidole - 50  
 Phellopsis - 21  
 Philaenus - 10  
 PHILANTHIDAE - see SPHECIDAE  
 Philanthus - 55  
 Philaronia - 10  
 Philonthus - 16  
 PHILOPOTAMIDAE - 28  
 Philopotamus - 28  
 Philotarsus - 12  
 Phlegyas - 8  
 Phlepsius - 12  
 Phobocampe - 49  
 Pheobis - 30  
 Pholisora - 31  
 Pholus - 31  
 PHORIDAE - 39  
 Phormia - 43  
 Photinus - 17  
 Photuris - 17  
 Phrudus - 48  
 PHRYGANEIDAE - 28  
 Phthorima - 47  
 Phycoides - 29  
 Phygadeum - 47  
 Phyllecthrus - 26  
 Phyllobaenus - 18  
 Phyllodecta - 26  
 Phyllopelopus - 2  
 Phyllophaga - 22  
 PHYLLOXERIDAE - 13  
 Phyllocentropus - 28  
 Phymata - 8

- PHYMATIDAE - 8  
 Phymatodes - 24  
 Physocephala - 41  
 Physonota - 26  
 Phytocoris - 9  
 Phytodietus - 48  
 Piazorhinus - 27  
 Picrostigeus - 47  
 Pidonia - 25  
 PIERIDAE - 30  
 Pieris - 30  
 Pimploterus - 48  
 Pineus - 13  
 Pinophilus - 16  
 Pinotus - 22  
 Pion - 48  
 Piophila - 44  
 PIOPHILIDAE - 44  
 Pipiza - 39  
 Pipizella - 39  
 Plagiognathus - 9  
 Plateros - 17  
 Plathemis - 4  
 Plathypena - 33  
 Platycheirus - 39  
 Platycotis - 10  
 Platylabus - 47  
 Platymetopius - 12  
 Platymoides - 11  
 Platynidius - 15  
 Platynus - 16  
 Platyphylax - 29  
 PLATYSTOMATIDAE - 27  
 Platytylellus - 9  
 PLECOPTERA - 5  
 PLECTISCIDAE - 47  
 Plesiommata - 11  
 Plochionus - 15  
 Poanes - 31  
 Pocadius - 20  
 Podabrus - 17  
 Podissus - 7  
 Podops - 7  
 Poecilocapsus - 9  
 Poecilogonalos - 49  
 Poecilus - 15  
 Polia - 32  
 Polistes - 54  
 Polites - 31  
 Polyamia - 11  
 Polyblastus - 48  
 POLYCENTROPIDAE - 28  
 Polygonia - 29  
 Polypedilum - 37  
 Polyphylla - 22  
 Polypleurus - 21  
 Polypotamus - 28  
 Polypsocus - 6  
 Polysphincta - 48  
 Polystoechotes - 3  
 POLYSTOECHOTIDAE - 3  
 Pomphopaea - 18  
 Pompilinus - see Psammochares  
 Ponera - 50  
 Popillia - 23  
 Precis - 29  
 Prenolepis - 51  
 Priocnemus - 52  
 Prionus - 23  
 Priononyx - see Chlorion  
 Pristocera - 54  
 Pristomerus - 49  
 Probinophila - 36  
 Proceratium - 52  
 Prochelostoma - 58  
 Proclitus - 49  
 Proctotrupes - 49  
 PROCTOTRUPIDAE - 49  
 Prolimnophila - 36  
 Promethes - 48  
 Prosaschicera - 50  
 Protenor - 7  
 Protoparce - 31  
 Proxys - 7  
 Psammochares - 53  
 PSAMMOCHARIDAE - 52  
 Pselliopus - 8  
 Psen - 55  
 Pseneo - 55  
 Pseudagenia - 52  
 Pseudamblyteles - 47  
 Pseudeuantha - 41  
 Pseudebaeus - 18  
 Pseudocloen - 4  
 Pseudogoera - 29  
 Pseudolimnophila - 36  
 Pseudolucanus - 23  
 Pseudomethoca - 53  
 Pseudocranurgus - 57  
 Pseudopsila - 44  
 PSILIDAE - 44  
 Psithyrus - 60

PSOCIDAE - 6  
 Psococerastis - 6  
 Psocus - 6  
 Psorophora - 36  
 Psorthaspis - 53  
 Psychoda - 36  
 PSYCHODIDAE - 36  
 Psylla - 13  
 PSYLLIDAE - see CHERMIDAE  
 Psyllobora - 21  
 Ptecticus - 37  
 Pterallastes - 40  
 Pterocharus - 16  
 Pterocormus - 47  
 Pterostichus - 14  
 Ptilodactyla - 20  
 Ptilodexia - 42  
 PTYCHOPTERIDAE - 34  
 Pubilia - 10  
 PULICIDAE - 46  
 Pulvinaria - 13  
 Pycnoglossa - 43  
 Pycnopsyche - 29  
 Pygolampis - 8  
 PYRALIDAE - 34  
 Pyractoma - 17  
 Pyrgocoprypha - 1  
 Pyrgus - 31  
 Pyrochoa - 10  
 PYROCHROIDAE - 18  
 Pyropyga - 17  
 Pyrularia - 58

Q

Quedius - 17

R

Rainieria - 44  
 Reculitermes - 3  
 REDUVIIDAE - 8  
 Refronia - 15  
 Reuteroscopus - 9  
 Rhabdomastix - 36  
 Rhagio - 37  
 RHAGIONIDAE - 37  
 Rheumaptera - 33  
 Rhingia - 40  
 Rhinocapsus - 9  
 RHIPIPHORIDAE - 18

Rhipiphorus - 18  
 Rhithrogena - 3  
 Rhodobaenus - 27  
 Rhorus - 48  
 Rhyacophila - 28  
 RHYACOPHILIDAE - 28  
 RHYNCHOPHORIDAE - 27  
 Rhyssa - 48  
 Rivellia - 44  
 Romaleum - 23  
 Rygchium - 55

S

Sabulodes - 33  
 SALDIDAE - 9  
 Samia - 32  
 Saperda - 24  
 Sapromyza - 44  
 SAPROMYZIDAE - 44  
 Sapromyzosoma - 44  
 Sarcophaga - 42  
 SARCOPHAGIDAE - 42  
 SATURNIIDAE - 32  
 SATYRIDAE - 29  
 Saxinis - 25  
 Scambus - 48  
 SCAPHIIDAE - 17  
 Scaphinotus - 14  
 Scaphisoma - 17  
 Scaphoideus - 12  
 Scaptomyza - 45  
 SCARABAEIDAE - 22  
 Scarites - 14  
 SCATOPHAGIDAE - 43  
 Sceliphron - 55  
 Scepsis - 32  
 Sceratomyia - 40  
 Schistocerca - 2  
 Schoenomyza - 43  
 Sciapus - 38  
 SCIOMYZIDAE - 43  
 Scobates - 22  
 Scolia - 53  
 SCOLIIDAE - 53  
 SCOLYTIDAE - 27  
 Scolytus - 27  
 Scudderia - 1  
 SCUTELLARIDAE - 6  
 Scymnus - 21  
 Sehirus - 6

Seioptera - 44  
 Selenephorus - 15  
 Senotaenia - 42  
 SEPSIDAE - 44  
 Sepsis - 44  
 Seraptia - 22  
 Serica - 22  
 SERICOSTOMATIDAE - 29  
 Sericus - 19  
 SERPHIDAE - see PROCTOTRUPIDAE  
 Shannonomyia - 36  
 Sialidae - 3  
 Sibine - 33  
 Sibovia - 11  
 Silis - 17  
 Silpha - 16  
 SILPHIDAE - 16  
 SIMULIIDAE - 37  
 Simulium - 37  
 Sinea - 8  
 SIPHONAPTERA - 46  
 Siphophyto - 41  
 Smicroplectrus - 47  
 Smiothisa - 33  
 Smithistruma - 52  
 Solenius - 55  
 Solenopsis - 50  
 Solubea - 7  
 Sophropompilus - see Psammochares  
 Sparnopolius - 38  
 Speyeria - see Argynnis  
 Spharagemon - 2  
 Sphaeroderus - 14  
 Sphaerophoria - 40  
 Sphaerophthalma - 53  
 Sphathidexia - 42  
 SPHECIDAE - 54  
 Sphecius - 55  
 Sphecodes - 57  
 Sphecodina - 31  
 Sphecomyia - 41  
 Sphegina - 40  
 Spheg - 55  
 SPHINGIDAE - 31  
 Sphinx - 31  
 Spilochalsis - 50  
 Spilogona - 43  
 Spilomyia - 41  
 Stagomantis - 1  
 Staphidion - 23  
 STAPHYLINIDAE - 16

Staphylinus - 17  
 STELIDAE - 59  
 Stelidota - 20  
 Stelis - 59  
 Stenamma - 51  
 Steniola - 55  
 Steniridia - see Scaphinotus  
 Stenodema - 9  
 Stenodontus - 47  
 Stenodynerus - 53  
 Stenolophus - 16  
 Stenomarcus - 47  
 Stenonema - 3  
 Stenopa - 44  
 Stephanitis - 8  
 Sterictiphora - 46  
 Sternocryptus - 47  
 Stictocephala - 10  
 Stigmatoma - 50  
 Stigmus - 55  
 Stilbus - 21  
 Stilobezzia - 37  
 Stilpnus - 47  
 Stirellus - 12  
 Stiretrus - 7  
 Stomoxys - 43  
 Strangalepta - 24  
 Strangalia - 24  
 STRATIOMYIIDAE - 37  
 Straussia - 44  
 STREPSIPTERA - 28  
 Strongylocoris - 9  
 Strongylogastroidea - 46  
 Strumigenys - 51  
 Strymon - 30  
 Stylogaster - 41  
 STYLOPIDAE - 28  
 Stylurus - see Gomphus  
 Symmerista - 33  
 Symmorphus - 54  
 Sympetrum - 5  
 Symplecis - 47  
 Sympycnus - 39  
 Synanthedon - 34  
 Synchroa - 22  
 Synergus - 50  
 Syneta - 25  
 Symmosoma - 42  
 SYNTOMIDAE - 32  
 Syrbula - 2  
 Syritta - 41

SYRPHIDAE - 39  
 Syrphoctonus - 48  
 Syrphus - 40  
 Sysphincta - 52  
 Systema - 26  
 Systropus - 38

T

TABANIDAE - 37  
 Tabanus - 37  
 TACHINIDAE - 41  
 Tachinophyto - 42  
 Tachinus - 17  
 Tachopterix - 4  
 Tachytes - 54  
 Tachytrechus - 39  
 Tanymoecus - 27  
 Taphrocerus - 20  
 Tapinoma - 51  
 Taractacus - 38  
 Tarpela - 22  
 Tasiocera - 36  
 Telea - 32  
 Temnostoma - 41  
 Tendipes - 37  
 Tenebrio - 21  
 TENEBRIONIDAE - 21  
 Tenebroides - 20  
 TENTHREDINIDAE - 46  
 Tephrochlamys - 43  
 Tephronota - 44  
 Terias - 30  
 Tetanocera - 43  
 Tetracha - 13  
 Tetralonia - 59  
 Tetraopes - 25  
 TETRIGIDAE - see ACRYDIIDAE  
 Tettigidea - 3  
 TETTIGONIIDAE - 1  
 Tetyra - 6  
 Thamnotettix - 12  
 Thanaos - see Erynnis  
 Thaumatomyia - see Chloropisca  
 Thaumatoteles - 47  
 Thecla - 31  
 Thelaria - 42  
 Thelia - 10  
 Theronia - 48  
 Thorybes - 31  
 THROSCIDAE - 19

THRYIDIDAE - 20  
 Thyanta - 7  
 Thymaris - 48  
 THYRIDAE - 34  
 Thyridopteryx - 33  
 Thyris - 34  
 Thysania - 33  
 THYSANURA - 1  
 Tibicen - 10  
 Timulla - 53  
 TINGITIDAE - 8  
 Tiphia - 53  
 TIPHIIDAE - 53  
 Tipula - 36  
 TIPULIDAE - 34  
 Togoperla - 5  
 Tolyte - 33  
 TORTRICIDAE - 34  
 Toumeyella - 13  
 Toxidium - 17  
 Toxomerus - 40  
 Toxotus - 25  
 Trachandrena - 56  
 Trachyrhachis - 2  
 Trachysectus - 16  
 Tramea - 5  
 Trachymyrmex - see Cyphomyrmex  
 Trichadenotecnum - 6  
 Trichiosoma - 46  
 Trichiotinus - 23  
 Trichius - 23  
 Trichodes - 18  
 Trichopepla - 7  
 Trichophora - 42  
 Trichopoda - 41  
 TRICHOPTERA - 28  
 Triepeolus - 59  
 TRIGONALIDAE - 49  
 Trigonalys - 49  
 Trigonopeltastes - 23  
 Trigonotylus - 9  
 Trimerotropis - 2  
 Trioza - 13  
 Triplax - 21  
 Triplectrus - 15  
 Trirhabda - 26  
 Trisoleniella - 50  
 Tritoma - 21  
 Trogus - 46  
 Tropaea - 32  
 Tropidia - 40

Tropisternus - 16  
TRUPANEIDAE - see TRYPETIDAE  
Trychosis - 48  
TRYPETIDAE - 44  
Trypodendron - 27  
TRYPOXYLINAE - see SPHECIDAE  
TRYPOXYLINIDAE - see SPHECIDAE  
Trypoxylon - 54  
Tylopelta - 10  
Tylozygus - 11  
Tymnes - 25  
Typhlocyba - 11  
Typocerus - 24  
Typophorus - 25

U

Ulmophora - 36  
Ulodes - 3  
Unerus - 11  
Urbanus - 31  
Urographis - 24  
Utetheisa - 32

V

Vanessa - 29 (see also Nymphalis)  
Vespa - see Vespula  
VESPIDAE - 54  
Vespula - 54  
Viereckiana - 47  
Villa - 38  
Volucella - 40

W

Winthemia - 41

X

Xanthochlorus - 39  
Xanthogramma - 40

Xanthonia - 25  
Xanthotype - 33  
Xenochaetina - 44  
Xenochalepus - 26  
XENIDAE - 28  
Xenoglossa - 59  
Xerophloea - 11  
Xestocephalus - 11  
Xyalaspis - 50  
Xyletinus - 22  
Xylocopa - 59  
XYLOCOPIDAE - 59  
Xylophanes - 32  
Xylota - 40  
Xylotomima - 41  
Xylotrechus - 24

Y

YPONOMEUTIDAE - 34

Z

Zabrachpus - 48  
Zaglyptus - 48  
Zale - 33  
Zanysson - 55  
Zatypota - 48  
Zelora - 22  
Zelus - 8  
Zenillia - 41  
Zethus - 54  
Zodion - 41  
Zubovskya - 2  
ZYGAENIDAE - 34  
Zygogramma - 26