

COLEOPTERA OF CENTRAL ILLINOIS.—No. II.

By A. B. WOLCOTT, Bloomington, Ill.

I have previously recorded (ENT. NEWS, vol. vi, p. 309) 102 species of Coleoptera taken in the vicinity of Bloomington. The present list is of species taken the past season, representing collecting trips averaging about two a week.

About twenty-five per cent of the past season's collecting is as yet undetermined (not having been submitted to authorities for identification), but as the list now contains nearly 250 species, I thought it well to give it at the present time.

The country surrounding this place is almost entirely open prairie, with here and there a heavy patch of timber, which is rapidly being converted into fire-wood. The soil is being brought well under cultivation and drained; even swamps of considerable size are yielding up their fertile land under the drainage system; these facts combine to make the *present* study of our Coleoptera very opportune.

The past Summer, I spent four days collecting at Springfield, Ill., which, although in central Illinois, is sixty miles south of Bloomington; and there took some very good things, those species which were taken only at Springfield are marked with a *, those which occurred at both Springfield and Bloomington are designated with a †, the remainder were taken within a radius of thirty miles from Bloomington.

I take the present opportunity of thanking Messrs. H. F. Wickham, W. M. Hill and Chas. C. Adams and especially Dr. G. H. Horn, for their determination of many of the following species:

Correction.—*Galeruca xanthomelana* Schr. of my former list must be erased as the determination was an error.

CICINDELIDÆ.

* *Tetracha virginica* Linn.*Cicindela unipunctata* Fabr.
 hirticollis Say.

CARABIDÆ.

Carabus sylvosus Say.
 serratus Say.*Calosoma scrutator* Fabr.*Elaphrus ruscarius* Say.† *Pasimachus elongatus* Lec.*Scarites subterraneus* Fabr.*Scarites substriatus* Hald.*Clivina corvina* Putz. *impressifrons* Lee. *bipustulata* Fabr.*Bembidium inaequale* Say. *nitidulum* Dej. [Linn.
 *quadrrimaculatum**Tachys incurvus* Say.*Amara interstitialis* Dej. *obesa* Say.† *Diplochila laticollis* var. *major* Lec.

- Calathus gregarius *Say.*
 Platynus octopunctatus *Fabr.*
 decorus *Say.*
 Casnonia pennsylvanica *Linn.*
 Lebia atriventris *Say.*
 viridis *Say.*
 scapularis *Dej.*
 pumila *Dej.*
 Cymindis pilosa *Say.*
 Apenes sinuata *Say.*
 Brachynus americanus *Lec.*
 cordicollis *Dej.*
 Chlænius erythropus *Germ.*
 sericeus *Forst.*
 prasinus
 tricolor *Dej.*
 † tomentosus *Say.*
 pennsylvanicus *Say.*
 Brachylobus lithophilus *Say.*
 Geopinus incrassatus *Dej.*
 Cratacanthus dubius *Beauv.*
 Harpalus caliginosus *Fabr.*
 Stenolophus ochropeuzus *Say.*
 Bradyceillus rupestris *Say.*
 Anisodactylus sericeus
 HALIPLIDÆ.
 Cnemidotus 12-punctatus *Say.*
 DYTISCIDÆ.
 Laccophilus maculosus *Germ.*
 proximus *Say.*
 Coptotomus interrogatus *Fabr.*
 Agabus semivittatus *Lec.*
 taeniolatus *Harr.*
 Colymbetes sculptilis *Harr.*
 Thermonectes basilaris *Harr.*
 Cybister fimbriolatus *Say.*
 GYRINIDÆ.
 Gyrinus (confinis?) *Lec.*
 analis *Say.*
 Dineutes assimilis *Aube.*
 HYDROPHILIDÆ.
 Hydrophilus ovatus *G. and H.*
 triangularis *Say.*
 Tropisternus nimbatus *Say.*
 glaber *Hbst.*
 Berosus striatus *Say.*
- Laccobius agilis *Rand.*
 Creniphilus subcupreus *Say.*
 SILPHIDÆ.
 Necrophorus orbicollis *Say.*
 tomentosus *Web.*
 Silpha inæqualis *Fabr.*
 noveboracensis *Forst.*
 PSELAPHIDÆ.
 Bryaxis (abnormis?) *Lec.*
 STAPHYLINIDÆ.
 Aleochara fuscipes *Fabr.*
 Creophilus villosus *Grav.*
 Cryptobium bicolor *Grav.*
 Erchomus ventriculus *Say.*
 Conosoma crassum *Grav.*
 SCAPHIDIIDÆ.
 Scaphidium var. piceum *Mels.*
 COCCINELLIDÆ.
 Coccinella glacialis *Fabr.*
 Myzia (pullata?) *Say.*
 var.?
 Psyllobora 20-maculata *Say.*
 Brachyacantha ursina *Fabr.*
 Hyperaspis undulata *Say.*
 signata *Oliv.*
 ENDOMYCHIDÆ.
 Rhanis unicolor *Zieg.*
 Aphorista vittata *Fabr.*
 EROTYLIDÆ.
 Dacne 4-maculata *Say.*
 COLYDIIDÆ.
 Ditoma thoracica *Say.*
 Bothrideres geminatus *Say.*
 Cerylon castaneum *Say.*
 RHYSSODIDÆ.
 Rhysodes exaratus *Ill.*
 Clinidium sculptile *Newm.*
 MYCETOPHAGIDÆ.
 Mycetophagus punctatus *Say.*
 flexuosus *Say.*
 DERMESTIDÆ.
 Dermestes lardarius *Linn.*
 caninus *Germ.*

Dermestes marmoratus *Say.*

Attagenus piceus *Oliv.*

Trogoderma ornatum *Say.*

Anthrenus museorum *Linn.*

varius *Fabr.*

HISTERIDÆ.

Hister abbreviatus *Fabr.*

Epierus sp. not det.

Saprinus pennsylvanicus *Payk.*

Aeletes politus *Lec.*

NITIDULIDÆ.

Carpophilus hemipterus *Linn.*

brachypterus *Say.*

Conotelus (obscurus?) *Erich.*

Epuræa truncatella *Mann.*

Phenolia grossa *Fabr.*

Omosita colon *Linn.*

PARNIDÆ.

Dryops lithophilus *Germ.*

HETEROCERIDÆ.

Heterocerus (mollinus?) *Kies.*

ELATERIDÆ.

Cryptohypnus abbreviatus *Say.*

Elater nigricollis *Hbst.*

linteus *Say.*

Drasterius dorsalis *Say.*

Melanactes piceus *De G.*

BUPRESTIDÆ.

* *Dicerca lurida* *Fabr.*

Melanophila longipes *Say.*

Chrysobothris femorata *Fabr.*

* *Acmaeodera pulchella* *Hbst.*

Agrius otiosus *Say.*

LAMPYRIDÆ.

Eros aurora *Hbst.*

Plateros canaliculatus *Say.*

Lucidota atra *Say.*

Pyropyga decipiens *Harr.*

Photinus scintillans *Say.*

pyralis *Linn.*

Photuris pennsylvanica *De G.*

Podabrus basilaris *Say.*

tomentosus *Say.*

Telephorus carolinus *Fabr.*

flavipes *Lec.*

bilineatus *Say.*

Polemius laticornis *Say.*

CLERIDÆ.

Aulicus sp. not det.

Thaneroclerus sanguineus *Say.*

Orthopleura damicornis *Fabr.*

Charissa pilosa *Forst.*

Necrobia violaceus *Linn.*

PTINIDÆ.

Hadrobregmus carinatus *Say.*

Lasioderma testaceum *Duft.*

Bostrichus bicornis *Web.*

LUCANIDÆ.

Dorcus parallelus *Say.*

Platycerus depresso *Lec.*

Ceruchus piceus *Web.*

SCARABÆIDÆ.

Chœridium histeroides *Web.*

Onthophagus hecate *Panz.*

pennsylvanicus

Atænius gracilis *Melsh.* [Harold.

Geotrupes semiopacus *Jek.*

Cleotus aphodioides *Ill.*

Trox unistriatus *Beauv.*

Lachnostenra gibbosa *Burm.*

hirticula *Knoch.*

Anomala binotata *Gyll.*

Chalepus trachypygus *Burm.*

Allorhina nitida *Linn.*

Euphoria inda *Linn.*

fulgida *Fabr.*

Cremastochilus harrisii *Kirby.*

Osmoderma scabra *Beauv.*

CERAMBYCIDÆ.

Orthosoma brunneum *Forst.*

† *Smodicum cucujiforme* *Say.*

Eburia 4-geminata *Say.*

† *Romaleum atomarium* *Dru.*

† *Batyle suturalis* *Say.*

Xylotrechus colonus *Fabr.*

Strangalia luteicornis *Fabr.*

Leptura vittata *Germ.*

rubrica *Say.*

Leptostylus aculiferus *Say.*

Dectes spinosus *Say.*

Tetraopes femoratus

var. basalis

CHYSOMELIDÆ.

Anomcea laticlavia *Forst.*

Babia quadriguttata *Oliv.*

Cryptocephalus 4-guttatus *Knoch.*

mutabilis *Mels.*

bivittatus *Say.*

Fidia longipes *Mels.*

viticida *Walsh.*

Chrysomela casta *Rogers.*

Gastroidea dissimilis *Say.*

cyanæa *Mels.*

† *Melasoma scripta* *Linn.*

Phyllobrotica limbata *Fabr.*

Disonycha triangularis *Say.*

pennsylvanica *Ill.*

ermicollis

xanthomelæna *Dalm.*

alternata *Ill.*

Haltica chalybea *Ill.*

Systema frontalis *Fabr.*

tæniata *Say.*

Chætocnema (confinis?) *Cr.*

Odontota nervosa *Panz.*

* *Cassida nigripes* *Oliv.*

† *bivittata* *Say.*

† *Coptocycla guttata* *Oliv.*

BRUCHIDÆ.

Bruchus pisorum *Linn.*

obsoletus *Say.*

TENEBRIONIDÆ.

Merinus lœvis *Oliv.*

Scotobates calcaratus *Fabr.*

Xylopinus anthracinus *Kn.*

Tenebrio molitor *Linn.*

Tribolium confusum *Duv.*

Hoplocephala viridipennis *Fabr.*

Platydema excavatum *Say.*

Boletotherus bifurcus *Fabr.*

Boletophagus corticola *Say.*

Meracantha contracta *Beauv.*

CISTELIDÆ.

Hymenorus obscurus *Say.*

MELANDRYIDÆ.

Penthe obliquata *Fabr.*

pimelia *Fabr.*

Melandrya striata *Say.*

MORDELLIDÆ.

Tomoxia sp. not det.

Mordella melæna *Germ.*

lineata *Mels.*

Mordellistena scapularis *Say.*

ANTHICIDÆ.

Corphyra pulchra *Lec.*

PYROCHROIDÆ.

Pyrochroa femoralis *Lec.*

† *Dendroides canadensis* *Latr.*

MELOIDÆ.

Melœ angusticollis *Say.*

Nemognatha vittata *Fabr.*

Macrobasis unicolor *Kirby.*

* *Epicauta cinerea* *Forst.*

† *trichrus* *Poll.*

* *var.*

vittata *Fabr.*

lemniscata *Fabr.*

RHIPIPHORIDÆ.

* *Rhipiphorus limbatus* ♂ ♀ *Fabr.*

RHYNCHITIDÆ.

† *Rhynchites hirtus* *Fabr.*

OTIORHYNCHIDÆ.

† *Epicaritus imbricatus* *Say.*

Otiorthynchus ovatus *Linn.*

CURCULIONIDÆ.

Lixus concavus *Say.*

Endalus limatulus *Gyll.*

Gymnetron teter *Fabr.*

Centrinus scutellum-album *Say.*

perscillus *Sch.*

Balaninus uniformis *Lec.*

nasicus *Say.*

BRENTHIDÆ.

Eupsalis minuta *Dru.*

CALANDRIDÆ.

Rhodobænus 13-punctatus Ill.
Sphenophorus robustus Horn.
pertinax Oliv.

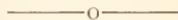
Sphenophorus melanocephalus

Cassonus corticola Say. [Fabr.

ANTHRIBIDÆ.

Brachytarsus variegatus Say.

NOTE.—The *Nemoguatha vittata* of my list was taken on mullein, at the edge of sparse timber, only one specimen was found.



SINGULAR HABIT OF A CECIDOMYID.

By ANNIE TRUMBULL SLOSSON.

In the Summer of 1894, at Franconia, I one day saw resting upon a leaf a *Chrysopa*—lacewing fly—that seemed to have a black raised spot upon each wing. As I stooped to examine it more closely it flew away. A day or two later I again saw a similar insect, but failed to capture it. The same day I saw one flying and took it with my net. But it proved to have no such spots as I had seemed to see, and I was much puzzled. This happened several times. I would see plainly one or two dark spots on the wings of a *Chrysopa* in the air or on a leaf, but when I captured the insect there were no spots there. On one such occasion I found in my net a tiny, dark bodied fly, and wondered if it could have any connection with the mystery. The point was settled soon after by my taking a *Chrysopa* with a similar fly still clinging to one wing. I detached this from its support and sent it to Mr. Coquillett for identification. He returned it labeled “*Cecidomyia* sp.” Since that time I have taken a great many specimens of *Chrysopa* and *Meleoma* with a similar fly on one or both primaries. These generally dropped off the wing either in net or cyanide bottle. But this Summer I succeeded in preserving a specimen of *Chrysopa emuncta* Fitch, with its little burden intact. These I sent to Mr. Nathan Banks, and asked a solution of the puzzle. Mr. Banks cannot explain the mystery and had never before heard of this peculiar habit among the Diptera. He suggests that the Cecidomyid may be one that makes galls upon certain plants infested by aphids upon which *Chrysopa* feeds, and where it would naturally oviposit. “The fly,” he writes, “being so frail may find it of advantage to attach itself to a stronger flying insect.” This is ingenious and reasonable. But it will be a difficult matter to prove it by observation. I am anxious to know if anyone else has noted facts similar to or the same as those I recorded, and if any explanation has been given.