

LIST OF HEMIPTERA TAKEN AT COMO, QUEBEC, DURING  
THE SUMMER OF 1906.

BY GEO. A. MOORE, MONTREAL.

(Continued from page 163.)

## HOMOPTERA.

*Membracidae.*

- Entilia bactriana*, Germ.—July 8. Common on Thistle.  
*Ceresa bubalus*, Fabr.—July 23. Common.  
*Ceresa brevicornis*, Fitch.—July 27. Several.  
*Ceresa diceros*, Say.—July 26. Common.  
*Thelia univittata*, Harr.—July 27. One specimen.  
*Archasia galeata*, Fab.—July 7. One specimen.  
*Acutalis dorsalis*, Fitch.—Aug. 4. Scarce.  
*Cyrtolobus varius*, Godg. ?—July 14. Oak, common.  
*Ophiderma salamandra*, Fairm.—Aug. 3. One specimen.  
*Carynota marmorata*, Say.—July 23. Several.  
*Enchenopa binotata*, Say.—July 25. Several.  
*Campylenchia curvata*, Fabr.—July 15.

*Fulgoridae.*

- Bruchomorpha oculata*, Newm.—July 25. Several.  
*Lamenia vulgaris*, Fh.—July 23. Common.  
*Scolops sulcipes*, Say.—July 24.—Common.  
*Cixius stigmatus*, Say.—Aug. 2. Three specimens.  
*Cixius pin<sup>i</sup>*, Fh. ?—Aug. 2. One specimen.  
*Otiarius 5-lineatus*, Say.—July 26. One specimen.  
*Pissonotus marginatus*, V. D.—July 8. One specimen.  
*Laccocera vittipennis*, V. D.—July 25. One specimen.  
*Phyllodinus nervatus*, V. D.—July 14. One specimen.  
*Liburnia pellucida*, Fabr.—July 20. Several.  
*Liburnia campestris*, V. D.—July 6.  
*Liburnia lutulenta*, V. D.—July 20.  
*Liburnia puella*, V. D.—Sept. 2.  
*Liburnia furcata*, Prov. ?—July 20.

*Cercopidae.*

- Aphrophora 4-notata*, Say.—July 15. Common.  
*Philænus spumarius ustulatus*, Fall.—July 8. Common.  
*Philænus lineatus*, Linn.—July 2. Common.  
*Clastoptera obtusa*, Say.—July 15. Common.

*Clastoptera proteus*, Fh., var. *flava*, Ball.—July 24. Several.  
*Clastoptera proteus*, Fh., var. *vittata*, Ball.—July 25. Several.  
*Clastoptera proteus*, Fh., var. *nigra*, Ball.—July 25. Several.

*Bythoscopidae.*

*Bythoscopus variabilis*, Fitch.—July 14. Several on Oak.  
*Bythoscopus nigrinasi*, Fitch.—July 15.  
*Pediopsis viridis*, Fitch.—July 25. Several.  
*Pediopsis insignis*, V. D.—July 20.  
*Idiocerus Provancheri*, V. D.—July 28. Several.  
*Idiocerus alternatus*, Fh.—July 26.  
*Agallia 4-punctata*, Prov.—July 15.

*Tettigoniidae.*

*Oncometopia costalis*, Fabr.—July 27. Two specimens.  
*Tettigonia bifida*, Say.—July 25. Common.  
*Tettigonia gothica*, Sign.—Aug. 4. Common.  
*Diedrocephala coccinea*, Forst.—July 14. Common.  
*Dræculacephala novæboracensis*, Fitch.—July 2. Common.  
*Helochara communis*, Fitch.—July 14. Common.  
*Eucanthus acuminatus*, Fabr.—July 8. Two specimens.  
*Gypona Quebecensis*, Prov.—July 24. Common.  
*Xestocephalus pulicarius*, V. D.—Sept. 2. One specimen.

*Jassidae.*

*Paramesus vitellinus*, Fitch.—July 26. Several.  
*Platymetopius acutus*, Say.—July 20 and Aug. 4.  
*Deltocephalus Sayi*, Fitch.—July 8 and Sept. 3.  
*Deltocephalus Minki*, Fieb.—July 20.  
*Deltocephalus inimicus*, Say.—July 2.  
*Scaphoideus auronitens*, Prov.—July 30. One specimen.  
*Scaphoideus immixtus*, Say.—July 23. Common.  
*Athysanus plutonius*, Uhler.—July 2.  
*Athysanus Curtisii*, Fitch.—July 2. Common.  
*Eutettix seminuda*, Say.—July 8. One specimen.  
*Phlepsius fulvidorsum*, Fitch.—July 27.  
*Thamnotettix clitellaria*, Say.—July 2. Several.  
*Chlorotettix unicolor*, Fitch.—July 14. Several.  
*Chlorotettix lusoria*, Osb. and Ball.—July 25.  
*Jassus olitorius*, Say.—Aug. 12.  
*Gnathodus punctatus*, Thunb.—July 25.  
*Gnathodus viridis*, Osb.—July 2.

*Typhlocybidæ.*

- Dicraneura communis*, Gill.—July 14.  
*Empoasca atrolabes*, Gill.—July 8.  
*Empoasca mali*, LeB.—July 23. Several.  
*Empoasca unicolor*, Gill.—July 8. Two specimens.  
*Empoasca viridescens*, Walsh.—July 31.  
*Eupteryx flavoscuta*, Gill., and var.—July 15. Several.  
*Typhlocyba tricincta*, Fitch.—July 2.  
*Typhlocyba bifasciata*, G. and B.—July 21.  
*Typhlocyba* sp., near *tenerrima*, H. S.—Sept. 2.  
*Typhlocyba comes*, Say.—Sept. 2. Common on wild grape.  
*Typhlocyba comes*, Say, var. *8-notata*, Walsh.—Sept. 1. Wild grape.  
*Typhlocyba comes*, Say, var. *vitifex*, Fh.—July 8.  
*Typhlocyba comes*, Say, var. *vitis*, Harr.—July 31.  
*Typhlocyba comes*, Say, var. *ziczac*, Walsh.—July 30. Wild grape.  
*Typhlocyba vulnerata*, Fitch.—July 31 and Sept. 1.  
*Typhlocyba querci*, Fh.—July 2. Oak.  
*Typhlocyba* sp., near *querci*, Fitch.—July 15.  
*Typhlocyba rosæ*, Linn.—July 7.

*Psyllidæ.*

- Psylla carpini*, Fh.—Aug. 2.

## PRACTICAL AND POPULAR ENTOMOLOGY.—No. 21.

## THE SCOLYTIDÆ OR ENGRAVER-BEETLES.\*

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Scolytidæ have been described from almost every portion of this continent from Mexico to Alaska, and will probably be found wherever their food-plants occur. Many species are described from the West Indies, and a very large number from Central and South America, and from Europe. Many are known from Japan, Australia, Ceylon, South Africa and elsewhere. A few species seem almost world-wide in distribution; others are known only from small regions. A number of injurious species, e. g., *Scolytus rugulosus* and *Xyleborus dispar*, have been introduced into America from Europe. Over 1,400 species of Scolytids are already described.

The North American members of the family Scolytidæ are usually somewhat elongate and cylindrical in form, and brown or black in colour.

\*Contribution from the Entomological Laboratory of the Cornell University.  
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