LIST OF THE HEMIPTERA–HETEROPTERA OF MAINE.

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The present list is the first of a series of papers in preparation by me on the Heteroptera of New England and is offered as a record of the species definitely known to inhabit Maine. In view of the great extent of almost inaccessible territory in the state and the relatively small amount of collecting which has been done, it is to be expected that additional species will be found, but I hope that the list is complete enough to be a useful basis for subsequent work, as it includes records of 175 species.

The records have been compiled chiefly from the following sources: An unpublished list of Maine Hemiptera by Mr. O. O. Stover, whose material was determined in part by Uhler, in part by Professor Osborn; the collection of the Maine Agricultural Experiment Station, determined largely by Mr. E. P. Van Duzee; the collection of Mr. F. A. Eddy of Bangor; the collection of the Boston Society of Natural History; and my own collection. The dates given are the earliest and latest which I have found on record for the several species.

My thanks are due the following, who have lent me their assistance: Dr. Edith M. Patch, who has put the collections and records of the Experiment Station at my disposal; Mr. J. R. de la Torre Bueno, who has determined a number of specimens and given valuable suggestions; Mr. F. A. Eddy, the veteran collector of Maine, who has permitted the free use of his valuable collection; Mr. C. W. Johnson, who has given me access to the collection of the Boston Society of Natural History; Mr. O. O. Stover, who has generously allowed me to make use of his unpublished records; and Mr. C. A. Frost, who has given me specimens of several species which otherwise would not have been recorded.

1 Papers from the Maine Agricultural Experiment Station: Entomology No. 74.
The arrangement of the families followed is that of the new system of Reuter,\(^1\) with certain modifications in accordance with the views of Kirkaldy and Bueno.

**FAMILY CORIXIDÆ.**

*Arctocorixa* Wallengren.

A. *interrupta* Say. 8 May. Orono.

A. *nitida* Fieb. 24 April–1 May. Orono.

*Corixa* Geoffroy.


C. *harrisi* Uhl. Orono.

C. *kennicotti* Uhl. 21 April.

**FAMILY NOTONECTIDÆ.**

*Notonecta* Linné.

N. *insulata* Kirby. 27 April. Orono.

N. *irrorata* Uhl. 22 May–19 Sept. Orono, Machias.


*Buenoa* Kirkaldy.

(= *Anisops*, American species.)

B. *elegans* Fieb. Orono.

**FAMILY BELOSTOMATIDÆ.**

*Belostoma* Latreille.

(= *Zaitha* Auct.)

B. *flumineum* Say. 20 June (with eggs)—17 Oct. Orono.

*Lethocerus* Mayr.

(= *Belostoma* Auct.)


**FAMILY ACANTHIIDÆ.**

(= *Saldidae* Auct.)

*Pentacora* Reuter.

P. *ligata* Say. Norway, Magalloway River.

*Acanthia* Fabricius.

A. *coriacea* Uhl. 4–11 July. Orono, Brewer.

A. *major* Prov. (= *deplanata* Uhl.) Reported from the State by Uhler.

**FAMILY MIRIDÆ.**

(= *Capsidae* Auct.)

*Stenodema* Laporte.

S. *trispinosum* Reut. 16 June. The Forks.

\(^1\) *Oefv. Fin. Vet. Förh.*, vol. 54, p. 5 (1911-12).
Miris Fabricius.

M. dolobratus Linn. 31 May—14 July. Throughout the state.
M. vicinus Prov. 22—31 May. Orono.

Resthenia Spinola.


Lopidea Uhler.

L. media Say. 12 July. Princeton.

Phytocoris Fallen.

P. pallidicornis Reut. 16 Sept. Westbrook, Waldoboro, West Beach.
P. lasiomerus Reut. 30 July. Orono.

Reported predaceous on aphids.

Neurocolpus Reuter.

N. nubilus Say. Orono.

Calocoris Fieber.

C. norvegicus Gmel. 15 July. Eastport.

Adelphocoris Reuter.

A. rapidus Say. 20 July—15 Aug. Orono, Brunswick, Pownal, etc.

Lygus Hahn.

L. pabulinus Linn. Orono.
L. pratensis Linn. 7 May—12 Sept. Found everywhere.
L. pratensis var. Red form so determined by Van Duzee. Orono.
L. convexicollis Reut. 6 July—17 Sept. Orono.
L. invitus Say. 5—27 July. Orono, Waldoboro, West Beach, Capens.
L. flavonotatus Prov. Orono.

Lygidea Reuter.

L. mendax Reut. 30 June. Orono.
L. rubecula Uhl. 18 July. Moosehead.

Coccobaphes Uhler.


Tropidosteptes Uhler.


Horcias Distant.

H. limbatellus Walk. 15 Aug.

Pœciloscytus Fieber.

P. divergens Reut. 11 July. Capens.
Psecilocapsus Reuter.
P. dislocatus var. goniphorus Say. 15 Aug. Orono.

Camptobrochis Fieber.

Capsus Fabricius.

Monalocoris Dahlbom.

Diaphnidia Uhler.
D. pellucida Uhl. 22 July. Orono.
On potato plants.

Hyaliodes Reuter.

Cyrtorrhinus Fieber
C. marginatus Uhl. 18–28 July. Moosehead, Orono.

Pilophorus Westwood.
P. amoenus Uhl. Collected in Maine by Packard.

Orthotylus Fieber.
On potato plants.

O. congrex Uhl. 10 July. Calais.

Collaria Provancher.
C. ocultata Reut. Durham.

Halticus Hahn.
H. citri Ashmead. Pownal.

Stiphrosoma Fieber.

Idolocoris Douglas and Scott.
I. agilis Uhl. Pownal.

Orectoderus Uhler.
O. obliquus Uhl. 26 July. Machias.

Lopus Hahn.
L. decolor Fall. 15 July. Pownal.

Megalocoleus Reuter.
M. coagulatus Uhl. Pownal.
Plagiognathus Fieber.
P. fraternus Uhl. 13 Sept. Westbrook.

So recorded probably = fuscosus.

This family has been little collected, and doubtless many more species inhabit the state. I intend to pay special attention to the group, and give this arrangement as merely tentative.

**Family Anthocoridae.**

Anthocoris Fallen.


Lyctocoris Hahn.

L. fitchii Reut. 28 June. Orono.

Triphleps Fieber.

T. insidiosus Say. 22 June. Orono, Pownal.

**Family Clinocoridae.**

(= Cimicidae Auct.)

Clinocoris Fallen.

C. lectularius Linn.  

Seasons and distribution no more restricted than in other regions.

C. ? hirundinis Jenyns.

There is a specimen in the Station collection taken from a swallow's nest and so labelled, but probably this species is strictly European.

**Family Nabidae.**

Pagasa Stal.

P. fusca Stein. Orono.

Reduviolus Kirby.


R. ferus Linn. 17 April–5 Oct. Generally distributed, Orono, etc.

**Family Nepidae.**

Ranatra Fabricius.

R. americana Mont. 4 Oct. Orono.

This species has been confused with both fusca Beauv. and quadridentata Stal. Nepa apiculata Harr. should be found in the state, as its known range includes this region.

**Family Hydrometridae.**

Hydrometra Latreille.

FAMILY REDUVIIDÆ.

Pygolampis Germar.

P. pectoralis Say. Manchester.

Reduvius Lamarck.


A. ventralis Say. 26 June. Monmouth.

Zelus Fabricius.

Z. exsanguis Stal. (= luridus Stal.) Manchester.
Z. socius Uhl. 18 July. Monmouth.

Fitchia Stal.

F. aptera Stal. 31 May–29 June. Manchester, Orono, Monmouth.

Records of the winged form have not come to my notice.

Acholla Stal.

A. multispinosa De Geer.

Sinea Amyot et Serville.

S. diadema Fab. 4 July–8 Aug. Orono.

(SUBFAMILY EMESINÆ.)

Ploiariodes White.

P. tuberculata Banks. 27 June. Monmouth.

FAMILY MACROCEPHALIDÆ.

(= Phymatidae Auct.)

Phymata fasciata Gray should be found in the state, but definite records have not come to my notice.

FAMILY GERRIDÆ.

Gerris Fabricius.

G. remigis Say. 20 April–17 May. Orono.

Limnopus Stal.


Trepobates Uhler.

T. pictus Her.-Schfr. 15 Sept. Orono.

Metrobates Uhler.

M. hesperius Uhl. 22 Sept. Orono.
**FAMILY VELIIDÆ.**

Microvelia Westwood.

*M. borealis* Bueno MSS. 3 May. Orono.

I took specimens of this species in a temporary puddle in a wagon road through a field.

Rhagovelia Mayr.


**FAMILY TINGITIDÆ.**

Corythuca Stal.

*C. ciliata* Say. Collected in Maine by Packard.
*C. juglandis* Fitch. 4–6 June. Orono.

Leptobyrssa Stal.


Physatochila Fieber.

*P. plexa* Say. Westbrook.

Tingis Fabricius.

*T. (Melanorhopala) clavata* Stal.

The occurrence of this species is reported in the Station records, but I have been unable to locate an actual specimen.

**FAMILY MYODOCHIDÆ.**

(= Lygaeidae olim)

Ischnorhynchus Fieber.


Records of *I. reseda* Panz. probably refer to this species.

Cymus Hahn.

*C. luridus* Stal. 24 May. Orono.
*C. angustatus* Stal. 10–26 June. Westbrook, Orono, Holden.
*C. discors* Horv. 20 June. Orono.

Blissus Burmeister.

*B. leucopterus* Say. 13 April–3 May. Jackman, Orono.
*B. hirtus* Mont. 7 April–12 May. Orono.

These two species are very closely allied, and may not be distinct. I found them together under stones in early spring.

Phlegyas Stal.

*P. annulicrus* Stal. 23 June. Holden.
Edanaca Amyot et Serville.

Ñ. dorsalis Say.
Reported from the state by Stover, but I have not been able to find definite data.

Nysius Dallas.


N. longiceps Stal. 28 July. Orono.

Belonochilus Uhler.

B. numenius Say. 10 Sept. Orono.

Orsillus Dallas.

O. scolopax Say. Portland.
Uhler recorded this species as abundant on dry sedges near Portland.

Ligyrocoris Stal.

L. turcicus Fab. Orono, Waldoboro.

Lygæus Fabricius.

C. pallidus Uhl. 22 April. Orono.

Sphærobius Uhler.

S. insignis Uhl. 25 Sept. Westbrook.

Myodocha Latreille.

L. serripes Oliv. 24-30 May. Orono.

Sphragisticus Stal.

M. nebulosus Fallen. 13 Sept. Pownal.

Cnemodus Herrich-Schaeffer.

S. nebulosus Fallen. 13 Sept. Pownal.

S. ? atlanticus Horv. 29 March. Orono.
S. diffidens Horv. 30 April. Orono.

Scolopostethus Fieber.


Drymus Fieber.

D. unus Say. Orono.

Xestocoris Van Duzee.

X. nitens V. D. 22 April. Orono.
Geocoris Fallen.


FAMILY NEIDIDÆ.

(= Berytidae olim)

Neides Latreille.

N. muticus Say. 10 June–14 Aug. Orono.

Jalysus Stal.

J. spinosus Say. 6 June. Bangor.

FAMILY ARADIDÆ.

Aradus Fabricius.

A. aequalis Say.
A. similis Say. 29 April–4 June. Orono.
A. acutus Say. Norway.
A. hubbardi Heid. 4 June. Orono.
A. lugubris Fall. 7 June. Orono, Norway.

Aneurus Curtis.


FAMILY CORIZIDÆ.

Corizus Fallen.

C. lateralis Say. Orono.

Harmostes reflexulus Say doubtless occurs, but no definite record has come to my notice.

FAMILY COREIDÆ.

Anasa Amyot et Serville.


Corynocoris Mayr.

C. typhæus Fab. 10 May. Orono.

I took twelve specimens of this species as they flew up, one by one, to the dried body of a long dead fowl. Some alighted nearby and others disappeared within the carcass. I was unable to determine whether they came to feed on the juices of the carrion or to prey on other insects, and they may have been attracted merely by the odor. I believe that there are few if any so positive records of the frequenting of carrion by Heteroptera.
FAMILY ALYDIDÆ.
Alydus Fabricius.
A. pilosulus Her.-Schfr. 8 Sept. Orono.

Megalotomus Fieber.

Protenor Stal.

FAMILY PENTATOMIDÆ.
(Elytróptera Kirk.)
Elasmostethus Fieber.

Elasmucha Stal.

Pentatoma Olivier.

Mormidea Amyot et Serville.

Euschistus Dallas.
E. euschistoides Voll. (= fissilis Uhl.) 18 June–11 Sept. Orono, Pownal, etc.
E. tristigmus Say. 27 May–17 Sept. Orono, Houlton, Wales, Pownal.

No doubt E. ictericus Linn. will be found, as its known range seems to include the state.

Cœnus Dallas.

Neottiglossa Kirby.

Cosmopepla Stal.

Banasa Stal.
B. calva Say. Orono, Manchester.