

NOTES ON A FEW HOMOPTERA FROM UTAH¹

By GEORGE F. KNOWLTON

The writer is indebted to Professor Herbert Osborn and Mr. W. L. McAtee for the determination of most of the material listed below. The collections were largely made in connection with a study of the distribution and breeding grounds of the beet leafhopper, *Eutettix tenellus* (Baker). A number of the species have not been previously recorded from Utah, while new localities are given for many of the forms known to occur here. Unless otherwise designated, collections were made by the writer.

Family CERCOPIDAE (Leach)

Genus *Clastoptera* Germar*Clastoptera osborni* Gillette and Baker*

Ogden, June 28, 1925

Clastoptera delicata Uhler*

Lehi, June 23, 1926; Monroe, June 28, 1926

Clastoptera lineatocollis Stal.

Draper, June 23, 1926; Monroe, June 28, 1926

Family MEMBRACIDAE (Germar) (*Treehoppers*)Genus *Ceresa* Amyot and Serville*Ceresa bubalus* (Fabricius)

A very common and often damaging species, collected in Utah, from Brigham City, Corinne, Fielding, Greenville, Kaysville, Lewiston, Logan, Murray, Riverside, Salt Lake City, Smithfield, Thementon, Trout Creek, Willard, and a number of other localities.

Ceresa basalis Walker

Logan, August 15, 1923 and September 2, 1925

Ceresa albidosparsa Stal*

Provo, September 8, 1923 (I. M. Hawley)

Genus *Stictocephala* Stal*Stictocephala inermis* (Fabricius)*

Greenville, August 19, 1927; Logan, July 19, 1923

¹Contribution from Department of Entomology, Utah Agricultural Experiment Station Publication authorized by Director, January 29, 1929.

*Signifies a form not recorded from Utah in Van Duzee, Catalogue of the Hemiptera of America north of Mexico, 1917.

Stictocephala pacifica Van Duzee*

Logan, July 21, 1924; Providence, June 15, 1924; Provo, September 18, 1923 (I. M. Hawley); Snow, August 7, 1924 (C. J. Sorenson)

Stictocephala festina (Say)

North Logan, July 17, 1923

Stictocephala gillettei Goding

A fairly common form in Utah. Brigham City, September 10, 1925; Logan Canyon, July 28, 1926; Millville, September 2, 1926; Murray, September 14, 1925

Genus *Telamona* Fitch*Telamona* sp.

Logan, July 6, 1924

Genus *Campylenchia* Stal*Campylenchia latipes* (Say)*

This is a fairly common form in northern Utah. Greenville, August 19, 1924; Lewiston, August 20, 1925; Logan, July 21, 1923 and July 19, 1924; Paradise, August 19, 1925; Salt Lake City, July 28, 1924; Smithfield, August 24, 1925; Smithfield Canyon, August 24, 1925.

Family CICADELLIDAE (Latreille)

(LEAFHOPPERS)

Genus *Agallia* Curtis*Agallia sanguinolenta* (Provancher)

This species is often very abundant on many of the weed hosts that *Eutettix tenellus* (Baker) frequents. It is commonly observed thruout Utah, and has been collected at Bear River City, Cove Fort, Deseret, Draper, Fielding, Fillmore, Garrison, Harrisville, Lewiston, Lookout Pass, Lynndyl, Monroe, Richfield, Snowville, Torry and many other places.

Agallia uhleri Van Duzee*

Draper, July 18, 1926.

Agallia cinerea Osborn and Ball*

This species occasionally is rather abundant. Black Rock, July 21, 1926; Cedar City, July 22, 1926; Fillmore, July 21, 1926; Frisco, July 21, 1926; Lewiston, July 28, 1926.

Genus *Macropsis* Lewis*Macropsis sordida* (Van Duzee)*

Monroe, June 28, 1926.

Genus *Bythoscopus* Germar*Bythoscopus robustus* (Uhler)*

Rather numerous at Monroe, June 28, 1926

Bythoscopus franciscanus (Baker)*

Numerous at Monroe, June 28, 1926

Bythoscopus grandis (Ball)

Paragoonah, July 25, 1926.

Genus *Oncometopia* Stal*Oncometopia lateralis* (Fabricius)

Salt Lake City, September 14, 1925.

Genus *Cicadella* Latreille*Cicadella hieroglyphica* (Say) Variety *uhleri* Ball

Numerous at Monroe, June 28, 1926.

Cicadella circellata (Baker)*

Monroe, June 28, 1926.

Genus *Helochara* Fitch*Helochara communis* Fitch*

North Logan, August 6, 1925.

Genus *Gypona* Germar*Gypona melanota* Spangberg*

Brigham City, September 10, 1925; Kaneshville, September 17, 1925; Willard, September 10, 1925.

Genus *Xerophloea* Germar*Xerophloea viridis* (Fabricius)

Bear River City, September 3, 1926; Fielding, September 2, 1925; Garrison, July 21, 1926; Hooper, September 17, 1925; Hurricane, September 24, 1926; Lewiston, October 5, 1926; Richmond, September 1, 1926.

Genus *Platymetopius* Burmeister*Platymetopius latus* Baker*

Taken at an elevation of 6000 feet on rose, Spring Canyon, August 28, 1925.

Genus *Deltocephalus* Burmeister*Deltocephalus striatus* (Linnaeus)*

Amalga, September 15, 1928; Smithfield, September 15, 1928.

Genus *Euscelis* Brulle*Euscelis exitiosus* (Uhler)*

Bear River City, September 9, 1925; Draper, July 18, 1926;

Hyrum, August 3, 1926; Lynndyl, July 1, 1926; Modina, July 23, 1926; Ogden, September 5, 1926; Portage, August 20, 1926; Salt Lake City, July 27, 1924; Tremonton, September 7, 1923.

Euscelis obscurinervis (Stal.)*

American Fork, September 6, 1926; Clover, July 16, 1926; Cornish, August 18, 1926; Cove Fort, July 1, 1926; Deseret, July 1, 1926; Garrison, July 21, 1926; Harrisville, July 24, 1926; Kaneshville, July 24, 1926; New Castle, July 23, 1926; Trout Creek, July 19, 1926.

Euscelis striolus (Fallen)*

Numerous at Monroe, June 31, 1926.

Genus *Eutettix* Van Duzee

Eutettix tenellus (Baker)

Utah localities for this species would include Adamsville, Appleton, Avon, Bennion, Calls Fort, Cedar Creek, Cliff, Cold Creek Canyon, Curlew, Desert, Elgin, Flowell, Floy, Fool Creek, Genola, Gifford, Granger, Grassy, Green River, Greenville, Harrisburg, La Verkin, Leland, Mantua, Minersville, Nibley, Orrs Ranch, Pahvant, Paradise, Parley, Showell, Soldier Creek, Solitude, Sphinx, Sunnyside, Taylorsville, Tropic, Vineyard, Warren, West Point, Wilson and Woodside.

Genus *Phlepsius* Fieber

Phlepsius ovatus Van Duzee

Often numerous. Cedar City, July 25, 1926; Deseret, July 1, 1926; Draper, June 23, 1926; Faust, July 18, 1926; Grantville, July 17, 1926; Monroe, June 28, 1926; Paragonah, July 25, 1926; Zion's National Park, July 24, 1926.

Phlepsius irroratus (Say)

Ogden, September, 1926; Richmond, September 9, 1926.

Genus *Acinopterus* Van Duzee

Acinopterus acuminatus Van Duzee

Monroe, June 6, 1926.

Genus *Thamnotettix* Zetterstedt

Thamnotettix geminatus Van Duzee*

Bear River City, September 9, 1925; Richmond, September 9, 1926; Smithfield, September 15, 1928; Trenton, September 15, 1926.

Thamnotettix clitellarius (Say)*

Bear River City, September 9, 1925.

Thamnotettix montanus Van Duzee

Cornish, August 18, 1926; Grantville, September 16, 1925;
Ogden, September 11, 1926; Willard, September 11, 1926.

Thamnotettix belli (Uhler)*

Logan, September 1, 1925.

Genus *Cicadula* Zetterstedt*Cicadula sexnotata* (Fallen)*

Sometimes numerous. Corinne, September 9, 1925; Fish Lake,
June 28, 1925; Lewiston, August 4, 1925; Richmond, September
9, 1926; Torry, June 26, 1926.

Genus *Eugnathodus* Baker*Eugnathodus abdominalis* (Van Duzee)*

Austin, June 25, 1926; Elsinore, June 25, 1926; Monroe, June
28, 1926.

Genus *Dikraneura* Hardy*Dikraneura carneola* (Stal.)*

Bear River City, September 9, 1925.

Genus *Empoasca* Walsh*Empoasca aspersa* Gillette and Baker

Nephi, July 25, 1926.

Empoasca tessellata Gillette

Elsinore, June 24, 1926; Hyrum, August 1, 1926; Nephi, July
25, 1926.

Empoasca mali (Le Baron)*

Common in northern Utah on apple, rose and other plants.

Brigham City, September 9, 1925; Farmington, June 1, 1923;
Logan, August 3, 1926; Provo, June 23, 1926; Salt Lake City,
July 28, 1923.

Empoasca flavescens (Fabricius)*

Bear River City, September 9, 1925; Hyrum, August 8, 1925.

Genus *Typhlocyba* Germar*Typhlocyba* sp.

Brigham City, September 10, 1925.

Genus *Empoa* Fitch*Empoa rosae* (Linnaeus)*

Common on apple and rose in northern Utah. Logan, July
8, 1923; Magna, September 15, 1925; Salt Lake City, September
17, 1924.

Empoa fabae (Harris)*

Riverside, September 11, 1926; Willard, September 10, 1925.

Genus *Erythroneura* Fitch*Erythroneura comes* (Say)

Brigham City, September 12, 1925; Ogden, July 22, 1927.

Family FULGORIDAE (Latreille) *Lanternflies*Genus *Scolops* Schaum*Scolops sulcipes* (Say)

Logan Canyon, July 28, 1926.

Scolops perdix Uhler*

Monroe, June 28, 1926.

Scolops angustatus Uhler*

Zion's Canyon, July 24, 1926.

Scolops hesperius Uhler

Monroe, June 28, 1926.

Genus *Oliarus* Stal.*Oliarus franciscanus* (Stal.)*

Elsinore, June 24, 1926.

Genus *Cixius* Latreille*Cixius cultus* Ball*

Brigham City, September 24, 1926; Monroe, June 28, 1926.

Genus *Oecleus* Stal.*Oecleus borealis* Van Duzee*

Monroe, June 28, 1926.

Oecleus obtusus Ball

Monroe, June 28, 1926.

Genus *Danepteryx* Uhler*Danepteryx manca* Uhler*

Monroe, June 28, 1926.

Genus *Ormenis* Stal*Ormenis saucica* Van Duzee

Numerous Leeds, July 24, 1926.

Genus *Stobaera* Stal*Stobaera tricarinata* (Say)*

Fairly numerous at Monroe, June 28, 1926.

Genus *Liburnia* Stal

Liburnia (Delphacodes) sp.

Brigham, September 10, 1925; Corinne, September 10, 1925;
Hooper, September 17, 1925.

Family CHERMIDAE (Fallen)

Genus *Livia* Latreille

Livia caricis Crawford

Benson, July 17, 1926; Dry Lake, August 10, 1927; Grantsville, July 17, 1926.

Genus *Aphalara* Forster

Aphalara rumicis Mally*

Salt Lake City, July 26, 1926.

Aphalara artemisiae Forster

Delta, July 20, 1926; Snowville, June 2, 1927.

Aphalara angustipennis Crawford

Brigham Canyon, September 5, 1925.

Aphalara minutissima Crawford

Santaquin, July 25, 1926.

Genus *Paratrioza* Crawford

Paratrioza cockrelli (Sulc.)

Common in potato-growing areas of Utah, on potato, tomato and other solanaceous plants. Collected at Brigham City, Cedar City, Collinston, Delta, Deweyville, Farmington, Honeyville, Hooper, Logan, Ogden, Provo, Salt Lake City, and a number of other places in the state.

Genus *Euphalerus* Schwarz

Euphalerus nidifex Schwarz*

Spring Canyon, 6800 ft. August 28, 1925.

Genus *Arytaina* Forster

Arytaina chelifera Crawford

Emigration Canyon, June 22, 1926.

YOTHERS LEAVES FOR HAWAII

W. W. Yothers of Orlando is planning to leave the middle of October for Honolulu where he will study the Mediterranean fruit fly. He plans to be gone about six months.