

ADDITIONS TO THE JASSOIDEA OF MISSOURI.

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In Vol. XVI, No. 2, of this Journal, Gibson and Cogan published a Preliminary List of the Jassoidea of Missouri in which 98 species and varieties were recorded. The writer, while employed by the Missouri Fruit Experiment Station at Mountain Grove, Missouri, during the past two summers made a collection of 84 species of Jassoidea in that immediate region. Unless otherwise mentioned the specimens were collected by him. In this material are 29 species not listed in the above named paper. Thanks are due Professor Herbert Osborn of Ohio State University for verification and determination of six of the more doubtful species. The notes on the undetermined forms were furnished by him.

- Idiocerus alternatus** Fitch. One specimen taken July 3, sweeping low shrubs along a pasture creek.
- Penthimia americana** Fitch. Rare. One specimen dated July 5, in collection. Probably swept from Black Jack brush.
- Xerophloea viridis** Fabricius. Both the plain green and the dark form taken in September.
- Gypona scarlatina** Fitch. One specimen in traplight material from substation at Cuba, Missouri, May 26, 1914.
- Platymetopius magdalensis** Provancher. From Black Jack brush in July.
- Deltocephalus areolatus** Ball. In short grass in peach orchard, September. Taken sweeping in Winter Emmer by M. P. Somes, November 8, 1915.
- Deltocephalus** sp. "Near **stylatus** Ball but with different genitalia." Osborn. Common in weedy pastures July, August, September.
- Athybanus striolus** Fallen. One specimen September 5.
- Driatura gammaroidea** Van Duzee. Fairly common, July. Taken in timothy field in which there was an abundance of ragweed.
- Driatura gammaroidea** var. **flava** Osborn and Ball. Sometimes found with the preceding species.

- Lonatura catalina** Osborn and Ball. Found in grassy meadow August 22.
- Acinopterus acuminatus** Van Duzee. Specimen in the collection dated August 24. No food plant noted.
- Eutettix cincta** Osborn and Ball. Swept from undergrowth in shady woods Records for June, July, August, September.
- Eutettix subaenea** variety **querci** Gillette and Baker. Common on Black Jack brush.
- Eutettix jucunda** Uhler. Seldom taken.
- Eutettix nigridorsum** Ball. Occasionally on oak brush.
- Eutettix johnsoni** Van Duzee. Rare. One specimen Sept. 1.
- Phlepsius excultus** Uhler. Collected July 20, 1914.
- Phlepsius altus** Osborn and Ball. Everywhere common. Occurring throughout the summer on oak brush.
- Phlepsius** sp. Taken in August. "Near **truncatus** but not like my specimen under that name and not known to me." Osborn.
- Scaphoideus unicolor** Osborn. In sweeping shrubs along fence rows during July.
- Thamnotettix fitchii** Van Duzee. A specimen was secured September 5.
- Thamnotettix kennicotti** Uhler. Collected July 22. Not common.
- Empoasca alboneura** Gillette. Common in station collection with dates of July, August, September.
- Dicraneura fieberi** Low. One specimen sweeping wild grape vines July 3.
- Alebra albostriella** Fallen. Taken at porch light June 20.
- Typhlocyba obliqua** variety **dorsalis** Gillette. Collected from both wild and tame grapes, through July.
- Typhlocyba obliqua** variety **noevus** Gillette. From material at porch light June 20.
- Typhlocyba comes** variety near **vitifex**. "Differs from any I have in black spots on vertex." Osborn.