

AN ANNOTATED LIST OF THE MIRIDAE OF GEORGIA  
(HEMIPTERA-HETEROPTERA)

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ABSTRACT

A list of the Miridae of Georgia is compiled primarily from the literature, from specimens examined in the University of Georgia collection, and the personal collection of the junior author. Of the 172 species reported, 108 species are considered new state records. Counties, months of collection, hosts, and methods of collection are given for each species studied.

Key Words: Miridae, Hemiptera, new records, distribution

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In comparison to many other insect groups, the North American mirid fauna is relatively poorly known. This is especially true regarding geographical ranges, hosts, and seasonal occurrences of the individual species. The major works of Blatchley (1926) and Knight (1923, 1941) have been the basis for most of our records in the eastern U.S. In the Southeast, mirids have been listed from Florida (Frost 1964, 1966, 1969, 1975), Louisiana and Mississippi (Khalaf 1971), and North Carolina (Brimley 1938; Wray 1950, 1967).

Although these surrounding states have had numerous species listed and described from them, Georgia has remained a noticeable void. P. W. Fattig, well-known for his avid collecting and numerous lists of Georgia insects, never published on the Miridae. Only about 60 species are recorded from the state. Because Georgia is located in a "transition zone" between sub-Neotropical Florida and the southern temperate regions of the Carolinas, it could be expected that this state should share a fauna that is representative of both areas.

In this paper we are reporting 172 species of Miridae from Georgia; 108 of these represent new state records. Although several thousand specimens from an assortment of collections were examined in this study, the vast majority were contained in the University of Georgia collection and the personal collection of the junior author. All apparent new state records are marked by an asterisk. Miridae previously recorded from the literature, but not examined, are indicated with a hyphen. Although several new species were discovered,

they are not included in the present work, but will, instead, be described in future papers by the senior author. County, month of collection, host (if known), and method of collection (AL = at light, BLT = black light trap, ML = Malaise trap) are given for each species. Taxa are listed alphabetically below the subfamily level.

SUBFAMILY ISOMETOPINAE  
TRIBE DIPHLEBINI

\**Diphleps junica* Bergroth. Oconee Co., July. BLT.

SUBFAMILY PHYLINAE  
TRIBE PHYLINI

\**Chlamydatus sukvis* (Reuter). Clinch Co., June; Montgomery Co., June.  
*C. sp.* Clarke Co., July.

\**Criocoris saliens* (Reuter). Clarke Co., Apr.-May; Putnam Co., Apr.

\**Coquillettia mimetica* Osborn. Clinch Co., June.

\**Icodema nigrolineatum* (Knight). Clarke Co., Apr.-June; Glynn Co., Apr. AL.

*Keltonia sulphureus* (Reuter). Clarke Co., May-Oct.; Madison Co., May-June, Aug., Oconee Co., June.

\**Lepidopsallus miniatus* Knight. Clarke Co., Apr.; Johnson Co., Apr. On *Quercus*, AL.

\**Microphylellus modestus* Reuter. Clarke Co., May; Madison Co., May. AL.

*Plagiognathus albatus* (Van Duzee). Fulton Co., May. On sycamore.

\**P. albatus vittiscutis* Knight. Clarke Co., May; Madison Co., May. AL.

\**P. annulatus* Uhler. Clarke Co., June; Spalding Co., May. MT.

\**P. atricornis* Knight. Clarke Co., June; Rockdale Co., July.

\**P. caryae* Knight. Meriwether Co., May; Spalding Co., Apr.-May. On pecan.  
*P. cuneatus* Knight. Clarke Co., June. AL.

-*P. delicatus* (Uhler).

*P. guttulatus* (Reuter). Clarke Co., Apr., Aug.; Glynn Co., Apr., May; McIntosh Co., Apr., Oglethorpe Co., Sept. AL, BLT.

\**P. nigritus* Knight. Pike Co., May.

-*P. obscurus* Uhler.

\**P. politus* Uhler. DeKalb Co., Oct. On hackberry, vetch.

\**P. punctatipes* Knight. Clarke Co., May. AL.

*P. sp.* (near *fulvidus* Knight). Clarke Co., May.

*Pseudbatomoscelis seriatus* (Reuter). Clinch Co., June; Chatham Co., July; Spalding Co., Sept. On cotton, Sida.

*Reuteroscopus ornatus* (Reuter). Bartow Co., June; Clarke Co., May-Oct.; Clinch Co., June; Effingham Co., July, Fannin Co., Sept.; Fulton Co., May, Aug.; Madison Co., May, June, Sept.; Oconee Co., June-July; Rockdale Co., July; Union Co., Sept.; Panthersville, June; Sandy Springs, Aug. On hackberry, AL, BLT.

*Rhinocapsus vanduzeei* Uhler. Fulton Co., May. "Biting humans".

*Spanagonicus albofasciatus*, (Reuter). Clarke Co., May-Oct.; Oconee Co., July-Aug. AL, BLT.

\**Teleorhinus floridanus* Blatchley. Emanuel Co., May.

SUBFAMILY ORTHOTYLINAE  
TRIBE ORTHOTYLINI

- Ceratocapsus blatchleyi* Henry<sup>ms.</sup> Clarke Co., Aug. BLT.
- \**C. fasciatus* (Uhler). Clarke Co., Sept. On pecan.
- \**C. fuscinus* Knight. Oconee Co., June. BLT.
- \**C. modestus* (Uhler). Clarke Co., July; Fulton Co., June; Oconee Co., July. AL, BLT.
- C. nigellus* Knight.
- \**C. punctulatus* (Reuter). Clarke Co., June-Dec.; Madison Co., Sept.; McIntosh Co., July; Oconee Co., June-Oct.; Tift Co., Aug. AL, BLT.
- C. setosus* Reuter. Clarke Co., May-Sept. BLT, MT.
- \**Diaphnocoris pellucida* (Uhler). Clarke Co., June. AL.
- \**D. provancheri* (Burque). Clarke Co., June; Oconee Co., June. AL, BLT.
- \**D.* sp. (prob. *ulmi* Knight). Clarke Co., May-June. AL.
- \**Halticus bractatus* (Say). Clarke Co., May-Oct.; Decatur Co., May; Lumpkin Co., June; Madison Co., May-June; Oconee Co., June-July; Rockdale Co., July; White Co., May. In rotten oak log. MT.
- \**Heterocordylus malinus* Reuter. Clarke Co., May.
- \**Ilndocora stalii* Reuter. Clarke Co., May, Aug.-Sept.; Oconee Co., June; Wayne Co., June. AL, BLT.
- \**Lopidea bisselli* Knight. Spalding Co., July.
- \**L. caesar* (Reuter). Clarke Co., June.
- \**L. confluenta* (Say). Union Co., July.
- L. davisii* Knight. Spalding Co. On *Phlox*.
- \**L. heidemanni* Knight. Clarke Co., Apr.-May; Franklin Co., May; Oconee Co., May, Aug.; Putnam Co., Apr.; Towns Co., May. On alfalfa, locust, rose.
- \**L. instabilis* (Reuter). Clarke Co., June; Clinch Co., May; DeKalb Co., June; Fulton Co., June; Pike Co., June; Spring Creek, May.
- \**L. media* (Say). Fulton Co., June; Hall Co., June; Lumpkin Co., June; Oconee Co., June, Union Co., May. BLT.
- \**L. reuteri* Knight. Clarke Co., June.
- L. robiniae* (Uhler). Clarke Co., June-July; Cobb Co. May. On black locust.
- \**Melanotrachus flavosparsus* (Sahlberg)<sup>ms.</sup> Clarke Co., May-June; Oconee Co., June.
- \**Orthotylus modestus* Van Duzee. Clarke Co., May; Madison Co., May; Oconee Co., June. AL, BLT.
- O. modestus immaculatus* Knight. Oconee Co., June. BLT.
- \**O. ornatus* Van Duzee. Clarke Co., Apr. AL.
- O. ramus* (Knight). Clarke Co., May; Lamar Co., May; Madison Co., May; Spalding Co., May. On pecan, AL.
- \**O. viridis* Van Duzee. Clarke Co., May. AL.
- O.* sp. (near *modestus*). Clarke Co., May.
- Parthenicus juniperi* (Heidemann). Clarke Co., May, July, Sept. AL.
- P. nigrellus* Knight. Clarke Co., June. MT.
- \**Reuteria querci* Knight. Clarke Co., July. AL.
- R. wheeleri* Henry. Clarke Co., June. BLT.

- \**Slaterocoris atritibialis* (Knight). Baldwin Co., May; Clarke Co., May; Jackson Co., Apr.; Madison Co., June; Union Co., May. On *Solidago*, MT.  
 \**S. breviatus* (Knight). Houston Co., May.  
 \**S. stygicus* (Say). Madison Co., May; Schley Co., May.

## TRIBE PILOPHORINI

- Alepidia gracilis* (Uhler). Clarke Co., July; Madison Co., July. AL, BLT.  
 \**Alepidiella heidemanni* Poppius. Oconee Co., June. BLT.  
~~*Philophorus amoenus* Uhler.~~  
 \**P. crassipes* Heidemann. Clarke Co., June-Sept.; Madison Co., May, July. AL, BLT.  
 \**P. laetus* Van Duzee. Clarke Co., July. BLT.  
 \**P. nasicus* Knight. Clarke Co., May. AL.  
~~*P. strobicola* Knight.~~  
 \**P. walshii* Uhler. Spalding Co., June. On hickory (?).  
*Pseudoxenetus regalis* (Uhler). Clarke Co., Apr.-May; McIntosh Co., Apr., Aug. On oak.  
 \**P. scutellatus* (Uhler). Clarke Co., Apr.-May; Fulton Co., May; Lumpkin Co., May, Rabun Co., June. On oak.  
 \**Sericophanes heidemanni* Poppius. Clarke Co., June, Aug.-Sept.; Oconee Co., July. AL, BLT.  
 \**S. sp.* (near *floridanus* Knight). Clarke Co., Aug. BLT.

SUBFAMILY CYLAPINAE  
TRIBE FULVIINI

- \**Fulvius tmbecilis* (Say). Clarke Co., Aug.-Sept.; Madison Co., June, Sept.; Oconee Co., June-July. AL, BLT.  
 \**F. slateri* Wheeler. Oconee Co., June. BLT.  
 \**Peritropis saldaeformis* Uhler. Clarke Co., May. On *Carya* sp.

SUBFAMILY DERAEOCORINAE  
TRIBE CLIVINEMINI

- ~~*Bothynotus johnsoni* Knight.~~ Clarke Co., Aug.-Sept. Pitfall trap.

## TRIBE DERAEOCORINI

- \**Deraeocoris aphidiphagus* Knight. Clarke Co., May; Union Co., June. On American elm.  
 \**D. davisii* Knight. Clarke Co., June; Oconee Co., June. AL, BLT.  
 \**D. nebulosus* (Uhler). Clarke Co., Mar.-Sept.; Dougherty Co., Oct.; Franklin Co., Apr., Fulton Co., Mar., June, Aug.-Sept.; Madison Co., June; Spalding Co., May. On pecan, AL, BLT.  
*D. nigrutilus* Knight. Clarke Co., May; Lumpkin Co., May-June; Union Co., May. AL.  
 \**D. pinicola* Knight. Oconee Co., June.

- \**D. poecilus* McAtee. Walton Co., May.  
*D. quercicola* Knight. Clarke Co., June-July; Lumpkin Co., June; Madison Co., June-July; Oconee Co., June. AL, BLT.  
*D. sayi* (Reuter). Clarke Co., Apr.-May; Fulton Co., May. BLT.  
 \**Eustictus grossus* (Uhler). Clarke Co., June-Sept.; Madison Co., June, AL.  
*E. mundus* (Uhler). Crowley, June; Fox Valley, Sept. On pecan bark, on soil at base of pecan tree.

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 TRIBE HYLIODINI  
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- Hyaliodes harti* Knight. Clarke Co., June, Sept.; Madison, Co., June; Rockdale Co., July. AL.  
 \**H. vitripennis* (Say). Clarke Co., May; Fulton Co., July; Johnson Co., May; Madison Co., Aug.; Spalding Co., June. On pecan.

SUBFAMILY MIRINAE  
 TRIBE HERDONINI  
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- \**Barberiella formicoides* Poppius. Clarke Co., June. BLT.

TRIBE MIRINI

- \**Adelphocoris rapidus* (Say). Widely distributed, Apr.-Oct. AL, BLT.  
*Agnocoris pulverulentus* (Uhler). Clarke Co., June; Oconee Co., June. BLT.  
*Collaria oculata* (Reuter). Clarke Co., May-Aug.; Clinch Co., June; Crawford Co., May; Habersham Co., July; Jefferson Co., May; Lumpkin Co., June; Madison Co., June; Oconee Co., July; Chipley, May. AL, BLT.  
*Creontiades debilis* Van Duzee. Chatham Co., July.  
 \**C. rubrinervis* (Stål). Clinch Co., June; Fulton Co., Nov.; Seminole Co., May. BLT.  
 \**Dagbertus fasciatus* (Reuter). Clarke Co., July. AL, BLT.  
 -*Dichrooscytus elegans* Heidemann.  
 -*D. maculatus* Van Duzee.  
 \**D. repletus* (Heidemann). DeKalb Co., Oct.  
*Garganus fusiformis* (Say). Clarke Co., Aug.; Clinch Co., June; Crawford Co., May; Lumpkin Co., June, Oct.; Panthersville, June. AL.  
 \**Lygocoris atrinotatus* (Knight). Union Co., July.  
 \**L. caryae* (Knight). Clarke Co., Apr. On oak, azalea.  
 \**L. caryae subfuscus* (Knight). Spalding Co., May. On pecan, hickory.  
*L. geneseensis* (Knight). Clarke Co., Apr.-June, Nov.; Fulton Co., May; Madison Co., May; Union Co., July. AL, MT.  
 -*L. inconspicuus* (Knight).  
 \**L. laureae* (Knight). Lumpkin Co., June.  
 \**L. omnivagus* (Knight). Rabun Co., June; Union Co., June; White Co., May.  
 \**L. pabulinus* (L.). Lumpkin Co., June; Union Co., July.  
 -*L. tiliae* (Knight).  
*L. sp.* Clarke Co., Apr.; Oconee Co., June. AL, BLT, MT.  
*L. n. sp.* (?). Clarke Co., Apr. MT.

- Lygus lincolns* (Palisot de Beauvois). Widely distributed, Feb.-Nov. On alfalfa, cotton, hackberry, locust, thistle, vetch, AL, BLT, MT.
- \**L. vanduzeei*, Knight. Habersham Co., July; Lumpkin Co., May-June, Oct.; Rabun Co., Aug; Union Co., Oct.
- \**Metriorhynchomiris dislocatus* (Say). Hall Co., May.  
*Neocapsus cuneatus* Distant. Union Co., June.  
*Neurocolpus nubilus* (Say). Widely distributed, Apr.-Sept. AL, MT.
- \**N. nubilus* var. *flavescens* Blatchley. Rockdale Co., July.
- \**Phytocoris annulicornis* (Reuter). Clinch Co., June.
- P. canadensis* Van Duzee.
- \**P. caryae* Knight. Madison Co., June. AL.
- \**P. confluens* Reuter. Clarke Co., July-Aug., Oct.; Madison Co., July-Aug. AL.
- \**P. confluens* Reuter x *P. puella* Reuter. Clarke Co., Sept. AL.
- \**P. conspurcatus* Knight. Clarke Co., June-Nov. AL, BLT.
- \**P. sp.*(? *difficilis* Knight). Clarke Co., Sept.; Madison Co., June; Oconee Co., June. AL, BLT.
- \**P. erectus* Van Duzee. Clarke Co., May-June. AL.  
*P. eximius* Reuter.<sup>1</sup>  
*P. fenestratus* Reuter. Madison Co., May; Oconee Co., June. AL, BLT.
- \**P. fulvus* Knight. Lumpkin Co., June.  
*P. fumatus* Reuter. Madison Co., May. AL.
- \**P. husseyi* Knight. Clarke Co., Apr.-May, July. AL.  
*P. infuscatus* Reuter. Clarke Co., June; Oconee Co., June. AL, BLT.
- \**P. luteolus* Knight. Clarke Co., May-July, Sept.; Madison Co., May, Sept.; Oconee Co., June. AL, BLT.
- \**P. neglectus* Knight. Clarke Co., May-June, Oct.-Nov.; Lumpkin Co., June; Madison Co., May, Oct. AL.
- \**P. nigricollis* Knight. Clarke Co., Apr.-June. AL, BLT.
- P. onustus* Van Duzee.
- \**P. penipecta*<sup>u</sup> Knight. Clarke Co., Apr.-June, Sept. AL, BLT.
- \**P. pinicola* Knight. Camden Co., July; Clarke Co., May-Dec. AL, BLT.
- \**P. puella* Reuter. Clarke Co., July-Oct.; Oconee Co., June. AL, BLT.
- \**P. purvus* Knight. Clarke Co., Apr.-July, Sept.-Nov.; Fulton Co., Apr.-May, Nov.; Madison Co., May, July. AL, BLT.
- \**P. salicis* Knight. Clarke Co., May; Lumpkin Co., June. BLT.
- P. taxodii* Knight.
- \**P. tibialis* Reuter. Clarke Co., June-July, Sept.-Oct.; Madison Co., Aug; Oconee Co., Oct. AL, BLT.
- \**P. tuberculata*<sup>u</sup> Knight. Spalding Co., June.
- \**P. uniformis* Knight. Clarke Co., Apr., July-Oct.; Madison Co., July-Sept.; Oconee Co., July, Oct. AL, BLT.
- \**P. venustus* Knight. Clarke Co., May. AL.

<sup>1</sup> Although this species has been listed as occurring in Ga. (and the East), Knight (1920) has explained that *eximius* has been greatly confused and is probably restricted to the western states. One specimen in the Georgia collection that was determined as *eximius* is actually *purvus* Knight.

- \**Poecilocapsus lineatus* (Fabr.). Clarke Co., May; Colquitt Co., Apr.; Hart Co., May; Johnson Co., May; McIntosh Co., May; Washington Co., Apr.  
*Polymerus basalis* (Reuter). Widely distributed, Apr.-Nov. On vetch, AL, BLT.  
*P. punctipes* Knight.  
 \**P. venaticus* (Uhler). Clarke Co., May. AL.  
 \**Stenotus binotatus* (Fabr.). Clarke Co., May-June; Lumpkin Co., June; Madison Co., May-June, Oconee Co., June. On vetch, AL, BLT.  
 -*Taedia externa* (Herrich-Schaeffer).  
*T. limba* (McAtee). Fulton Co., June; Liberty Co., May.  
*T. multisignata* (Reuter). Oconee Co., June; Spalding Co., June. On grape, BLT.  
*T. scrupea* (Say). Clarke Co., June; Madison Co., May; Spalding Co., May. AL.  
*Taylorilygus pallidulus* (Blanchard). Widely distributed, Apr.-Dec. AL, BLT, MT.  
 \**Tropidosteptes amoenus* (Reuter). Clarke Co., June, Sept.; Oconee Co., July. AL, BLT.  
 \**T. glaber* (Knight). Lumpkin Co., May.

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 TRIBE RETHENINI  
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- Oncerometopus nitens* Knight. Crawford Co., Sept.; Glascock Co., Aug. Spring Creek, May.  
 -*Prepops confraternus* (Uhler).  
*P. fraternus* (Knight). Clarke Co., May-June; Oconee Co., June. AL, BLT.  
*P. insignis* (Say). Fulton Co., July; Rabun Co., June.  
 \**P. insitivus* (Say). Clarke Co., May-June; Pike Co., June; McIntosh Co., May. On black locust.  
 -*P. robustus* Reuter.  
 \**P. rubrovittatus* (Stål). Charlton Co., June.  
*P. sp.* Madison Co., June. AL.

TRIBE STENODEMINI

- \**Leptopterna dolabrata* (L.). Clarke Co., May; Lumpkin Co., June. On vetch.  
 \**Stenodema trispinosum* Reuter. Fannin Co., July; Habersham Co., July; Union Co., July-Sept.  
 \**S. vicinum* (Provancher). Lumpkin Co., June.  
*Trigonotylus coelestialium* (Kirkaldy). Clarke Co., May-Aug.; Madison Co., May-June; Oconee Co., June. On hackberry, AL, BLT.  
 \**T. doddi* (Distant). Clarke Co., July-Oct.; Fulton Co., Aug.; Houston Co., Sept.; Lumpkin Co., June; Madison Co., May; Oconee Co., June. AL, BLT.  
*T. sp.* (near *uhleri* Reuter). Madison Co., June. AL.  
*T. sp.* Clarke Co., June-Aug., Oct.; Lumpkin Co., June. AL.

SUBFAMILY BRYOCORINAE  
TRIBE ECCRITOTARSINI

- Halticotoma valida* Townsend. Clarke Co., Apr.; DeKalb Co., Apr.; Lamar Co., Apr., Sept.; White Co., July. On yucca.
- \**Monalocoris americanus* Wagner and Slater. Dooly Co., May; Union Co., Aug.
- \**Pycnoderes quadrimaculatus* Guérin. Madison Co., Sept.-Oct. AL.
- \**Sixeonotus albicornis* Blatchley. Bibb Co., Aug.; Clarke Co., May-Sept. AL, BLT.
- \**S. insignis* Reuter. Clarke Co., June-Aug.; Madison Co., Sept.; Oconee Co., Aug.-Oct.; Spalding Co., Mar. AL, BLT.
- \**S. tenebrosus* (Distant). Clarke Co., Jan. In rotten oak log. AL.

TRIBE DICYPHINI

- Cyrtopeltis modestus* (Distant). Fulton Co., Oct.-Nov.; Spalding Co., Feb. On greenhouse tomatoes.
- \**Macrolophus separatus* (Uhler). Clarke Co., Aug.; Johnson Co., May. On *Aureolaria pectinata* (Nutt.). AL.

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