Additional state records for Coleoptera of South Carolina

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Abstract. Nineteen new state records for South Carolina of species of Coleoptera in eight families are documented.

Key words. Buprestidae, Carabidae, Cerambycidae, Cleridae, Curculionidae, Dytiscidae, Hydraenidae, Hydrophilidae.

Introduction

During the last 18 years a series of publications has documented the occurrence of species of 46 families of Coleoptera of South Carolina (Ciegler 2000, 2003, 2007, 2010, 2014; Harpootlian 2001; Harpootlian and Bellamy 2014; Caterino and Ferro 2017). Before that time, the only listing of South Carolina records was by Kirk (1969, 1970). Since their publication, specimens representing nineteen additional state records for South Carolina have been discovered and are herein listed.

Materials and Methods

New state records include members of eight families of Coleoptera, all of which have been collected within the last eighteen years in South Carolina. Those members of Carabidae were deemed to be new state records by comparison with Ciegler (2000); those of Dytiscidae, Hydraenidae, and Hydrophilidae with Ciegler (2003); that of Curculionidae with Ciegler (2010); that of Buprestidae with Harpootlian and Bellamy (2014); that of Astylopsis fascipennis Schiefer with Schiefer (2000); and those of Cleridae and the remaining Cerambycidae with Kirk (1969, 1970).

Each species is listed with county, locality, date, collecting technique, quantity, sexes where known, collector, and additional information.

Specimens remain in the personal collections of each collector.

New State Records

Family Buprestidae

Texania campestris (Say)
Charleston Co., Charleston (West Ashley), Carolina Bay Drive, 27 April 2008, on prostrate trunk of cut Ilex (Aquifoliaceae), 1 specimen, coll. R. M. Gemmill.
Charleston Co., Charleston (West Ashley), Carolina Bay Drive, 10 April 2012, resting on sidewalk, 1 specimen, coll. R. M. Gemmill.
Charleston Co., Charleston (West Ashley), Carolina Bay Drive, 26 May 2013, on cut trunk of Acer (Sapindaceae), 1 specimen, coll. R. M. Gemmill.
Family Carabidae

*Cicindela striga* LeConte
Colleton Co., Edisto Island, Rt. 114, Freedman at Fishing Creek, 28 June 2013, at MV light, 1 specimen, coll. R. M. Gemmill.

Only one historical record for this species has been recorded previously from South Carolina (Charleston Co., Charleston, 1 July 1924). Therefore, while not technically a new state record, this recent find confirms that this elusive Florida species occurs in South Carolina.

*Lebia collaris* Dejean

*Mochtherus tetraspilotus* (W. S. MacLeay)

Family Cerambycidae

*Anelaphus moestus* (LeConte)

*Astylopsis fascipennis* Schiefer
Charleston Co., West Ashley, Carolina Bay Drive, 15 May 2012, beaten from cut miscellaneous hardwoods, 1 specimen, coll. R. M. Gemmill, K. Carman.

This sixth species of *Astylopsis* (previously *Amniscus*) was described only in 2000, and little is known of its biology. Specimens have been beaten from dead *Ulmus* (Ulmaceae) and *Liquidambar* limbs, which fits with the specimens reported here (from branches of *L. styriaciflua*). Schiefer listed specimens from Arkansas, Louisiana, Mississippi, Alabama, Georgia, and Florida, but not from South Carolina. Thus, the discovery of *A. fascipennis* in South Carolina is not surprising and serves to verify its distribution across the southeast U.S.

*Clytoleptus albofasciatus* (Castlenau and Gory)

*Enaphalodes cortiphagus* (Craighead)
**Goes tumifrons** Linsley and Chemsak

Charleston Co., Charleston (West Ashley), Carolina Bay Drive, at MV light, 24 July 2007, 1 specimen, coll. R. M. Gemmill.

**Goes variegatus** Linsley and Chemsak

Dorchester Co., Branchville, 5143 Wire Road, McAlhany Nature Preserve, 23 May 2014, at UV light, 3 specimens, coll. R. M. Gemmill.

**Neoclytus jouteli** Davis


**Zagymnus clerinus** (LeConte)


Observed 11 June 2016, 18 June 2016. Petioles of *S. palmetto* with adult emergence holes were common along high tide line.

**Zaplous annulatus** (Chevrolat)

Charleston Co., Charleston (West Ashley), Carolina Bay Drive, 15 June 2008, beaten from dead branches of unknown species, 1 specimen, coll. R. M. Gemmill.


**Family Cleridae**

**Enoclerus angustus** (LeConte)


*E. angustus* is distinguished from the closely related *E. rosmarus* by having a red rather than a black abdomen. Prior to 1950, *E. angustus* was listed as a subspecies (*E. rosmarus virginiensis* Schaeffer 1917) and thus older records for *rosmarus* could have included the former.

**Family Curculionidae**

**Diaprepes abbreviatus** (Linnaeus)

Charleston Co., Patriot’s Point, 32.785N 79.903W, 8 Nov 2013, 2 specimens, coll. B. G. Scholtens.

Charleston Co., Patriot’s Point, 32.785N 79.903W, 30 Sep 2016, 1 specimen, coll. B. G. Scholtens.
Family Dytiscidae

*Heterosternuta pulchra* (LeConte)


Family Hydraenidae

*Hydraena pennsylvanica* Kiesenwetter


*Hydraena spangleri* Perkins


Family Hydrophilidae

*Hydrochus callosus* LeConte


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Literature Cited


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