

## Very Small Families

### Agyrtidae of South Carolina

The only species in eastern U. S. is: [\*Necrophilus pettitii\*](#) Horn

Peck, S. B. 2002. Agyrtidae, pp. 247-249. In Arnett, R. H., Jr. and M. C. Thomas, eds. American beetles. Volume 1. Archostemata, Myxophaga, Adepnaga, Polyphaga: Staphyliniformia. CRC Press, New York. ....

### Artematopodidae of South Carolina

The only genus in southeastern U. S. is: *Eurypogon*

- 1 Elytral punctures appearing larger because of poorly-defined flared margins, intervals narrow;  
antennomeres 2 and 3 small, together much shorter than 4 ..... [\*E. niger\*](#) (Melsheimer)  
Elytral punctures appearing finer and smaller because of sharply defined margins, intervals wide and flat;  
antennomeres 2 and 3 longer, 3 nearly as long as 2, together slightly shorter than 4 ..... [\*E. harrisi\*](#) (Westwood)

Brown, W. J. 1944. Some new and poorly known species of Coleoptera. II. Canadian Entomologist 76:4-10.

Hinson, K. R., and R. J. Buss. 2015. New state records and identification of North American species of *Eurypogon* Motschulsky (Coleoptera: Artematopodidae). Coleopterists Bulletin 69:768-771.

Young, D. K. 2002. Artematopodidae, pp. 146-149. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

### Biphyllidae of South Carolina

Only one genus of Biphyllidae has been found in South Carolina: *Diplocoelus*

#### Key to Species of *Diplocoelus* of South Carolina

(from Goodrich and Springer 1992)

- 1 Pronotum with two distinct longitudinal ridges at each lateral margin; eye setae short, extended above eye no more than diameter of facet; middle and hind tarsomeres 2 as long as 3+4 combined; length 2.5-3.9 mm ..... [\*D. brunneus\*](#) LeConte  
Pronotum without longitudinal ridges; eye setae long, extended above eyes more than twice the diameter of facet; tarsomere 2 of all legs subequal in length to 3; length 2.0-3.0 mm ..... [\*D. rudis\*](#) (LeConte)

Goodrich, M. A. 2002. Biphyllidae, pp. 356-357. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

Goodrich, M. A. and C. A. Springer. 1992. A revision of the family Biphyllidae (Coleoptera) for America, north of Mexico. Coleopterists Bulletin 46:361-377.

### Byrrhidae of South Carolina

The only species in southeastern U. S. is: [\*Simplocaria semistriata\*](#) (Fabricius)

Johnson, P. J. 2002. Byrrhidae, pp. 113-116. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Byturidae of South Carolina

The only species in South Carolina is: *Byturus unicolor* Say

Goodrich, M. A. 2002. Byturidae, pp. 354-355. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Callirhipidae of South Carolina

The only species in the U. S. is: *Zenoa picea* (Beauvois)

Young, D. K. 2002. Callirhipidae, pp. 144-145. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Cerophytidae of South Carolina

The only species in eastern U. S. is: *Cerophytum pulsator* (Haldeman)

Johnson, P. J. 2002. Cerophytidae, pp. 150-151. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Clambidae of South Carolina

(adapted from Endrödy-Younga 1981 and Young 2002)

The only genus in southeastern United States is: *Clambus*

- 1 Entire dorsal surface densely and sharply shagreened; densely setose; yellow ..... *C. vulneratus* LeConte  
Head and lateral lobe of pronotum shiny, at the most with indistinct marks of shagreen; color and setation various ..... 2
- 2(1) Setation very apparent, pronotum and elytra with setae as long or longer than distance between insertions;  
yellow ..... *C. howdeni* Endrody-Younga  
Setation less apparent, sometimes barely discernable; dark reddish brown ..... *C. gibbulus* (LeConte)

Endrödy-Younga, S. 1981. The American species of the familia Clambidae (Coleoptera: Eucinetioidea). Entomologia Generalis 7:33-67.

Young, D. K. 2002. Clambidae, pp. 85-86. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York. ....

## Key to Genera of Cucujidae of South Carolina

(adapted from Thomas 2002)

- 1 Head widest across temples; body large (>10 mm), brightly colored ..... *Cucujus clavipes* Fabricius  
Temples absent, head widest across eyes; body small (<5 mm), brown ..... *Pediacus depressus* (Herbst)

Thomas, M. C. 2002. Cucujidae, pp. 329-330. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Cupedidae of South Carolina

(adapted from Young 2002)

- 1 Prosternal tarsal grooves separated anteriorly by a pair of low ridges near the meson; black with red pronotum  
..... [\*Cupes capitatus\*](#) Fabricius  
Prosternal tarsal grooves separated anteriorly by a distinct mesal carina; light brown with dark brown maculation  
..... [\*Tenomerga cinereus\*](#) (Say)

Young, D. K. 2002. Cupedidae, pp. 19-21. In Arnett, R. H., Jr. and M. C. Thomas, eds. American beetles. Volume 1. Archostemata, Myxophaga, Adephaga, Polyphaga: Staphyliniformia. CRC Press, New York. ....

## Micromalthidae of South Carolina

The only species in the United States is: [\*Micromalthus debilis\*](#) LeConte

Philips, T. K. and D. K. Young. 2002. Micromalthidae, pp. 22-23. In Arnett, R. H., Jr. and M. C. Thomas, eds. American beetles. Volume 1. Archostemata, Myxophaga, Adephaga, Polyphaga: Staphyliniformia. CRC Press, New York.

## Nosodendridae of South Carolina

(adapted from Ivie 2002)

- 1 Head with median ocellus; ventral surface of body convex; abdominal sternum 1 without tarsal grooves;  
head hypognathus, reflexed against front coxae; abdomen ventrally with sharp marginal carina  
..... [\*Orphilus ater\*](#) Erichson  
Head without ocellus; ventral surface of body flat; abdominal sternum 1 with tarsal grooves; head prognathus;  
abdomen without marginal carina..... [\*Nosodendron unicolor\*](#) Say

Ivie, M. A. 2002. Nosodendridae, pp.224-227. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Omethidae of South Carolina

(Ramsdale 2002 and Downie and Arnett 1996)

- 1 Antennomeres 4 and 5 of male enlarged and excavated, geniculate at that point; antennae of female simple;  
elytra without striae; clypeus broadly emarginate..... [\*Blatchleya gracilis\*](#) (Blatchley)  
Antennomeres of both sexes simple, not enlarged or excavated; elytra with finely impressed striae;  
clypeus truncate ..... [\*Omethes marginatus\*](#) LeConte

Downie, N. M., and R. H. Arnett, Jr. 1996. The beetles of northeastern North America. Volume II: Polyphaga: series Bostrichiformia through Curculionoidea. Sandhill Crane Press, Gainesville, Florida. pp. 891-1721.

Ramsdale, A. S. 2002. Omethidae, pp.197-201. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Passalidae of South Carolina

The only species in South Carolina is: [\*Odontotaenius disjunctus\*](#) (Illiger)

Schuster, J. C. 2002. Passalidae, pp.12-14. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Passandridae of South Carolina

(Thomas 2002)

- 1 Tibial spurs longer than tarsomere 1 of hind leg; body distinctly dorsoventrally compressed ..... [\*Catogenus rufus\*](#) (Fab.)  
Tibial spurs shorter than tarsomere 1 of hind leg; body cylindrical ..... [\*Taphrosclidia linearis\*](#) (LeConte)

Thomas, M. C. 2002. Passandridae, pp.327-328. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

## Rhipiceridae of South Carolina

(Schnepf and Powell 2018)

The only genus in the United States is: *Sandalus*

- 1 Clypeus acuminate, apex densely pubescent; mandible edentate, not covering clypeus when closed ..... [\*S. randyi\*](#) Schnepf & Powell  
Anterior clypeal margin truncate, emarginate, or bilobed, apex glabrous or sparsely pubescent; tooth of mandible covering lateral portion of clypeus when closed ..... 2
- 2(1) Pronotum with lateral carina entire; pronotum with sides nearly parallel basally, or widest in the middle, convergent apically; length 15-18 mm ..... [\*S. petrophya\*](#) Knoch  
Pronotum with distinct carina present only in anterior third; pronotum convergent almost evenly from base to apex; length 18-24 mm ..... [\*S. niger\*](#) Knoch

Katovich, K. 2002. Rhipiceridae, pp. 93-94. In Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea. CRC Press, New York.

Horn, G. H. 1881. Notes on Elateridae, Cebriionidae, Rhipiceridae and Dasyllidae. Transactions of the American Entomological Society 9:76-90.

Schnepf, K. E. and G. S. Powell. 2018. A new species of *Sandalus* Knoch (Coleoptera: Rhipiceridae), with an updated key to the species of the eastern USA. Coleopterists Bulletin 72:241-245,

## Smicripidae of South Carolina

The only genus in the United States is: *Smicrips*

### Key to Species of *Smicrips* of South Carolina

(LeConte 1878 and Casey 1916)

- 1 Red-brown dorsally; head slightly narrower than pronotum; dorsal punctures small; antennae 1.5 times length of head ..... [\*S. texana\*](#) (Casey)  
Reddish testaceous, elytra with transverse piceous cloud near apex, with or without another cloud near base; dorsal surface imperceptibly punctulate; antennae less than 1.5 times length of head ..... [\*S. palmicola\*](#) LeConte

- Casey, T. L. 1916. Some random studies among Clavicornia. *Memoirs on the Coleoptera* 7:35-292.
- LeConte, J. L. 1878. Additional descriptions of new species. *Proceedings of the American Philosophical Society* 17:373-434.
- Price, M. B. 2002. Smicripidae, pp.316-318. *In* Arnett, R. H., Jr., M. C. Thomas, P. E. Skelley, and J. H. Frank, eds. *American beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea*. CRC Press, New York.