

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*

(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

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

(adapted from Endrödy-Younga 1981 and Young 2002)

- 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.

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.

Cupididae 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, Adepaga, Polyphaga: Staphyliniformia. CRC Press, New York.

Lymexylidae of South Carolina

(adapted from Young 2002)

- 1 Head with mesal epicranial pit; eyes small, round, entire..... [*Elateroides lugubris*](#) (Say)
Head without epicranial pit; eyes moderate to large, emarginate anteriorly..... [*Melittomma sericeum*](#) (Harris)

Young, D. K. 2002. Latridiidae, pp. 261-262. 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.

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, Adepaga, 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 *[Taphroscelidia 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

The only genus in the United States is *Sandalus*

(Horn 1881, Schnepf and Powell 2018)

- 1 Pronotum subangulate, with rounded angles; length 10-18 mm 2
Pronotum regularly conical; length various 3
- 2(1) Anterior clypeal margin bilobed, apex glabrous or sparsely pubescent; tooth of mandible covering lateral portion
of clypeus when closed *[S. petrophya](#)* Knoch
Clypeus acuminate, apex densely pubescent; mandible edentate, not covering clypeus when closed
..... *[S. randyi](#)* Schnepf & Powell
- 3(1) Larger, length 18-24 mm; pronotum finely punctate with very few coarse punctures *[S. niger](#)* Knoch
Smaller, length 7-15 mm; pronotum densely punctate with numerous large punctures *[S. porosus](#)* LeConte

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

Katovich, K. 2002. Ripiceridae, 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.

Schnepf, R. E. and G. S. Powell. 2018. A new species of *Sandalus* (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*

(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.