Subfamily Pimeliinae: Keys

Key C

Key to the Florida tribes [including genera and species] of Pimeliinae (underlined terms are defined to the right)

1. Mentum very large, concealing maxillae and usually ligula…………………………………….Epitragini (see Key D)

1’. Mentum generally smaller in size, never concealing both ligula and maxillae……………………………………………………………………………….

Coniotini, [Branchus floridanus LeConte (length ~13 mm)] (Fig. 1)

Key D

Key to the Florida genera [including species] of Epitragini

1. Eyes inflated, projecting outward beyond lateral margin of head, overlapping temporal ridge, prosternum rounded, deflexed, mesosternum not excavate, body glabrous……………

Schoenicus LeConte [puberulus LeConte (length ~8.0 mm)] (Fig. 6)

1’. Eyes not inflated, scarcely projecting outward beyond lateral margin of head, not overlapping temporal ridge; prosternum and mesosternum variable……………….2

2 (1’). Body mottled with scattered setal patches ……………3

2’. Body not mottled and without scattered setal patches……..4

3 (2). Prosternum broad, obtuse, mesosternum usually at most shallowly excavate,……………………………Epitragodes Casey [tomentosus tomentosus (LeConte) (length 8.0-9.0 mm)] (Fig. 4)

3’. Prosternum narrow, acute, mesosternum deeply excavate… Epitragodes Casey [tomentosus macilentus Casey (size 8.0-9.0 mm)] (Fig. 5)

4 (2’). Color greenish-brown with metallic luster………………….Bothrotes canaliculatus acutus (LeConte) (size 12-13 mm) (Fig. 2)

4’. Color brown without metallic luster ……………………… Bothrotes canaliculatus arundinis (LeConte) (size 12-13 mm) (Fig. 3)

Tribe Trientomini (Florida?)

Trientoma sp.  ______________
(length 7.5 mm)
Subfamily Pimeliinae: Species Profiles

Fig. 1: Branchus floridanus LeConte
Length: ~13 mm
Habitat: Debris on sandy beaches
Comments: 2 spp., Florida and Texas; known only in extreme southern FL; See Steiner (1991) and Triplehorn and Weems (1964)

Fig. 2: Bothrotes canaliculatus acutus (LeConte)
Length: 12-13 mm
Habitat: Taken on grasses, shrubs, flowers, and sandy trails
Comments: There are probably only 2 spp. in this genus in U.S.

Fig. 3: Bothrotes canaliculatus arundinus (LeConte)
Length: 12-13 mm
Habitat: Taken on grasses, shrubs, flowers, and sandy trails
Comments: There are probably only 2 spp. in this genus in U.S.

Fig. 4: Epitragodes tomentosus tomentosus (LeConte)
Length: 8.0-9.0 mm
Habitat: Taken on deciduous trees, esp. in the crevices between branches
Comments: Probably only 1 sp. in U.S.

Fig. 5: Epitragodes tomentosus macilentus Casey
Length: 8.0-9.0 mm
Habitat: Taken on deciduous trees, esp. in the crevices between branches
Comments: Probably only 1 sp. in U.S.

Fig. 6: Schoenicus puberulus LeConte
Length: ~8.0 mm
Habitat: ---
Comments: 1 sp. in U.S.