Beetles (Coleoptera) of Peru: A Survey of the Families.
Leiodidae Fleming, 1821

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Diversity in Peru. 2 subfamilies, 7 tribes, 12 genera, 41 species.

Recognition. The two leiodid subfamilies represented in Peru are diverse in form, but all described Peruvian species have an antennal club composed of the last 5 antennomeres, with the eigth antennomemore (second of club) reduced in size. Other useful characters are the conical procoxae, the round, shiny body form (Leiodinae) or the somewhat flattened, oval body form along with a transverse occipital crest, and often with transverse striae on the elytra (Cholevinae). The leiodine genus *Dietta* includes the largest-bodied members of Leiodidae, with a broad head, abruptly expanded antennal clubs, elongate pronotum, and long, spinose legs; Peck and Cook (2003) revised the Neotropical species with a key and phylogeny.

Habitat. Diverse, but most often in terrestrial, woodland habitats, and feeding on decaying materials or fungi. Cholevinae may be found in association with carrion or dung, while Leiodinae are often in association with fungi. Agathidiine leiodids are specialist feeders on myxomycetes (slime molds), and the scotocryptine genus *Creagrophorus* is associated with puffball fungi (Wheeler 1979; Wheeler and Miller 2005). The scotocryptine genera *Synaristus* and *Parabystus* are obligate inquilines of stingless bee nests (Apidae: Meliponinae), relying on their hosts for both shelter and dispersal (Roubik and Wheeler 1982).


Additional information on the Cholevinae is available online at Cholevidae of the World (2014).

Checklist:

**Leiodinae: Estadiini**

Locality: Huánuco (Cordilla Azul, 39 km NE Tingo Maria) [Peck & Cook, 2003: 790].

**Leiodinae: Leiodini**

Locality: Huánuco (Cordilla Azul, 39 km NE Tingo Maria) [Daffner, 1990: 33]

**Leiodinae: Scotocryptini**

*Aglyptinus minor* (Matthews, 1888: 79).
Locality: Peru [Peck *et al*., 2000: 50].

*Synaristus pilosus* Portevin, 1907: 80.
Locality: Cuzco (Marcapata) [Portevin, 1907: 80].

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Received 25 Aug 2014; Accepted 18 Mar 2016
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