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1955

**Synopsis of the new subtribe Scatimina (Coleoptera:
Scarabaeidae: Scarabaeinae: Ateuchini), with descriptions of
twelve new genera and review of *Genieridium*, new genus**

FERNANDO Z. VAZ-DE-MELLO



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Abstract

The **new subtribe** Scatimina (part of the tribe Ateuchini) is described and defined to include the following 17 genera, of which 12 are new: *Scatimus* Erichson; *Scatrichus* Génier & Kohlmann, 2003; *Trichillum* Harold, 1868; *Pedaridium* Harold, 1868; *Eutrichillum* Martínez, 1969, **new status**; *Besourengea*, **new genus** (type species *Trichillum minutum* Saylor); *Bradypodidium*, **new genus** (type species *Trichillum bradyporum* Boucomont); *Degallieridium*, **new genus** (type-species *Degallieridium lilliputanum*, **new species**); *Feeridium*, **new genus** (type species *Feeridium woodruffi*, **new species**); *Genieridium*, **new genus** (type species *Pedaridium bidens* Balthasar); *Leotrichillum*, **new genus** (type species *Pedaridium louzadaorum* Vaz-de-Mello & Canhedo); *Martinezidium*, **new genus** (type species *Pedaridium galileoae* Génier & Vaz-de-Mello); *Nunoidium*, **new genus** (type species *Pedaridium argentinum* Arrow); *Onoreidium*, **new genus** (type species *Trichillum cristatum* Arrow); *Pereiraidium*, **new genus** (type species *Pedaridium almeidai* Pereira); *Silvinha*, **new genus** (type species *Silvinha unica*, **new species**); and *Trichillidium*, **new genus** (type species *Pedaridium quadridens* Arrow). The subtribe Ateuchina Laporte is here defined and includes *Ateuchus* Weber, *Deltorhinum* Harold, *Aphengium* Harold and *Sinapisoma* Boucomont (transferred from Canthonini). The genera *Scatonomus* Erichson, *Anomiopus* Westwood and *Hypocanthidium* Balthasar are transferred from Ateuchini to Canthonini, and the genera *Canthidium* Erichson, *Parachorius* Harold (formerly Ateuchini) and *Holocanthon* Martínez & Pereira (formerly Canthonini) are transferred to Coprini. The genera *Bdelyropsis* Pereira, Vulcano & Martínez, *Bdelyrus* Harold, *Coptorhina* Hope, *Delopleurus* Erichson, *Demarziella* Balthasar, *Onychothecus* Boucomont, *Paraphytus* Harold, *Pedaria* Laporte, *Pleronyx* Lansberge, *Pseuduroxys* Balthasar, *Sarophorus* Erichson and *Uroxys* Westwood are considered as *incerta sedis* in the Ateuchini, not fitting into Ateuchina or Scatimina. A key is presented to the genera of Scatimina, and another for species of the genus *Genieridium*, which are also diagnosed. Each genus of Scatimina is diagnosed, has a complete species list, and includes remarks on affinities, composition and distribution. All genera except *Scatimus* and *Scatrichus* are (re)described, and examined material is listed for each species. The following three **new species** are described: *Degallieridium lilliputanum*, **new species**; *Feeridium woodruffi*, **new species** and *Silvinha unica*, **new species**. The following 32 **new combinations** are established (original genus in parenthesis): *Besourengea minutus* (Saylor) (*Trichillum*); *B. vej-dovskiyi* (Balthasar) (*Trichillum*); *B. amarillai* (Aguilar) (*Pedaridium*); *B. horacioi* (Martínez) (*Trichillum*); *Bradypodidium adisi* (Ratcliffe) (*Trichillum*); *B. bradyporum* (Boucomont) (*Trichillum*); *B. venezuelense* (Ferreira & Galileo) (*Pedaridium*); *Eutrichillum arcus* (Solís & Kohlmann) (*Trichillum*); *E. hirsutum* (Boucomont) (*Trichillum*); *E. hystrix* (Arrow) (*Trichillum*); *Genieridium bidens* (Balthasar) (*Pedaridium*); *G. bordoni* (Martínez) (*Pedaridium*); *G. cryptops* (Arrow) (*Pedaridium*); *G. margareteae* (Génier & Vaz-de-Mello) (*Pedaridium*); *G. medinae* (Gill & Vaz-de-Mello) (*Pedaridium*); *G. paranense* (Arrow) (*Pedaridium*); *G. zanunciorum* (Vaz-de-Mello & Canhedo) (*Pedaridium*); *Leotrichillum louzadaorum* (Vaz-de-Mello & Canhedo) (*Pedaridium*); *Martinezidium fulgens* (Arrow) (*Pedaridium*); *M. galileoae* (Génier & Vaz-de-Mello) (*Pedaridium*); *M. martinsi* (Ferreira & Galileo) (*Pedaridium*); *M. maya* (Vaz-de-Mello, Halfpter, & Halfpter) (*Pedaridium*); *Nunoidium argentinum* (Arrow) (*Pedaridium*); *Onoreidium bottimeri* (Howden & Young) (*Pedaridium*); *O. cristatum* (Arrow) (*Trichillum*); *O. howdeni* (Ferreira & Galileo) (*Pedaridium*); *O. ohausi* (Arrow) (*Trichillum*); *Pereiraidium almeidai* (Pereira) (*Pedaridium*); *Trichillidium brevisetosum* (Howden & Young) (*Pedaridium*); *T. caingua* (Martínez) (*Pedaridium*); *T. pilosum* (Robinson) (*Trichillum*); *Trichillidium quadridens* (Arrow) (*Pedaridium*). Distribution maps are presented for the newly described species, for *Nunoidium argentinum*, for *Pereiraidium almeidai*, and for every species of *Genieridium*.

Key words: dung beetles; Neotropical region; new species; new genus

Resúmen

Se describe a la **nueva subtribu** Scatimina (parte de la tribu Ateuchini), que consiste de los siguientes 17 géneros, de los cuales 12 son nuevos: *Scatimus* Erichson; *Scatrichus* Génier & Kohlmann, 2003; *Trichillum* Harold, 1868; *Pedaridium* Harold, 1868; *Eutrichillum* Martínez, 1969, **n. status**; *Besourengea*, **n. g.** (especie-tipo *Trichillum minutum* Saylor); *Bradypodidium*, **n. g.** (especie-tipo *Trichillum bradyporum* Boucomont); *Degallieridium*, **n. g.** (especie-tipo *Degallieridium lilliputanum*, **n. sp.**); *Feeridium*, **n. g.** (especie-tipo *Feeridium woodruffi*, **n. sp.**); *Genieridium*, **n. g.** (especie-tipo *Pedaridium bidens* Balthasar); *Leotrichillum*, **n. g.** (especie-tipo *Pedaridium louzadaorum* Vaz-de-Mello & Canhedo); *Martinezidium*, **n. g.** (especie-tipo *Pedar-*