Review of the species of Paratenetus Spinola inhabiting America, north of Mexico (Coleoptera: Tenebrionidae)

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Outline

• Background information
• Species composition
• Distribution
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Background information

- Belongs to Lagriinae
- Received little taxonomic attention recently
- Species concepts: difficult to access some types (e.g., Spinola, Motschulsky)
- More than 50 species in Americas, mostly in tropical countries
Species composition

Spinola types

• Museo Regionale di Scienze Naturali, Torino, Italy
  Contact: Luca Picciau

LeConte, Fall types

• Museum of Comparative Zoology, USA
  Contact: Phil Perkins

Motschulsky types

• Zoological Museum, Moscow University, Russia
  Contact: Nikolay Nikitsky
Species composition: spp. with short metaventrite

*Paratenetus gibbipennis* Motschulsky, 1868

*Paratenetus cribratus* Motschulsky, 1868

Type locality: «Géorgie américaine». **New synonymy**

Note: females much more abundant than males!

*Paratenetus fuscus* LeConte, 1850

*Paratenetus crinitus* Fall, 1907

Type locality: «Trout Spring [New Mexico]». **New synonymy**

Note: with numerous long setae
Species composition

Paratenetus punctatus Spinola, 1844

Types:
-original type locality: «Etats-unis de l’Amérique septentrionale»,
-three specimens from Dejean’s collection came with handwritten labels written by “Ekis 1974”,
-one proposed as a lectotype and one as a paralectotype,
-specimens in poor condition,
-two specimens don’t belong to N. American fauna!,
-third specimen selected as lectotype and given a new label.

Note:
-species associated with old nests of Malacosoma
Species composition

*Paratenetus exutus* sp. nov.

**Notes:**
- males without spine on front tibia,
- antennomere 8 transverse,
- metaventrite distinctly darker.

*Paratenetus texanus* sp. nov.

**Notes:**
- punctuation on pronotum sparser, not subcontiguous
- most common in Texas but also elsewhere
- compared with types from Mexico (Champion)

Figure 14. Map showing collection localities in America (north of Mexico) of *Paratenetus texanus*. 
Summary

- Five valid species
- Two new synonymies
- Two new species
- Lectotype designation for *P. punctatus*

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