

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



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# Outline

- **Background information**
- **Species composition**
- **Distribution**
- **Summary**

# 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

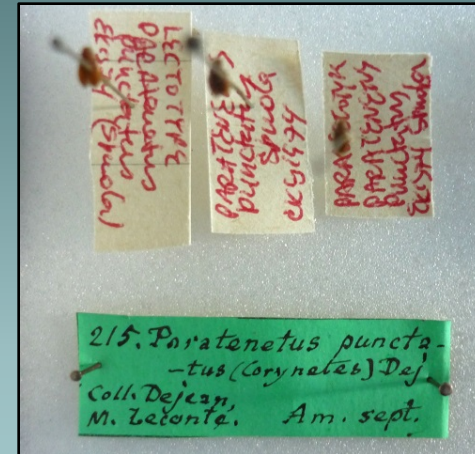
## *Paratenetus punctatus* Spinola, 1844

### 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*

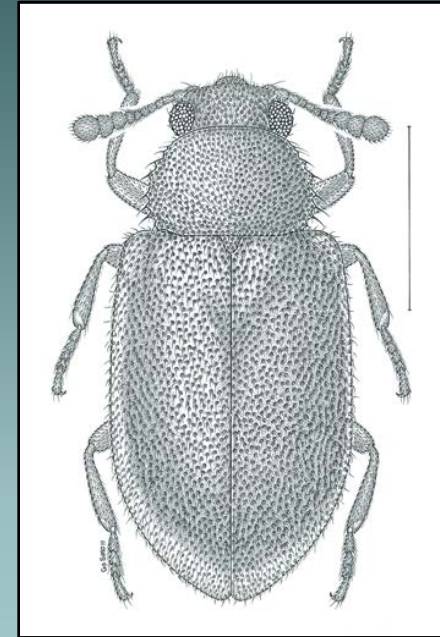


# Species composition

## ***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)





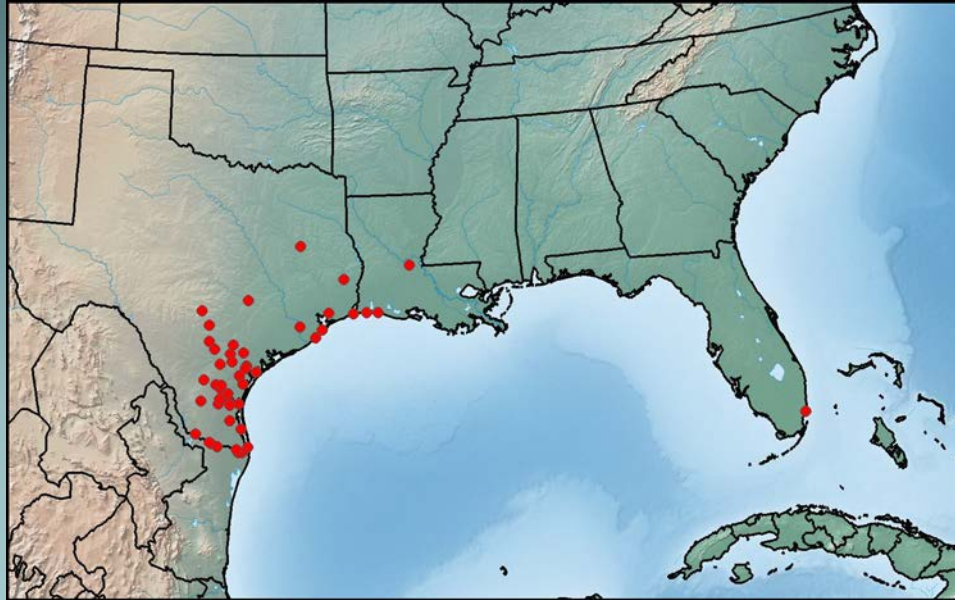
# Distribution



**Figures 10–11.** Maps showing collection localities in North America. **10.** *Paratenetus gibbipennis*; **11.** *P. fuscus*.  
**Figures 12–13.** Maps showing collection localities in North America. **12.** *Paratenetus punctatus*; **13.** *P. exutus*.



# Distribution



**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***

***Manuscript to be included in “Proceedings”***