

**Designations of *Anthrenus serraticornis* Fabricius, 1792
and *Anthrenus denticornis* Fabricius, 1792 lectotypes and proposal
of a new synonym
(Coleoptera: Dermestidae: Megatominae)**

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Abstract. Lectotypes of *Anthrenus serraticornis* Fabricius, 1792 and *Anthrenus denticornis* Fabricius, 1792 are designated. A new synonymy are proposed: *Trogoderma serraticornis* (Fabricius, 1792) (= *Eucnocerus anthrenoides* Sharp, 1902 syn. nov.).

INTRODUCTION

The genus *Trogoderma* Dejean, 1821 currently contains 147 species and subspecies worldwide (Háva 2015). The present article offers designations of lectotypes of two species described by Fabricius (1792) from St. Croix, Antilles, and propose a new synonym of the species name *Trogoderma serraticorne* (Fabricius, 1792). The article is presented next to my previously published article (Háva 2014).

MATERIAL AND METHODS

The following abbreviations are used:

JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic;

ZMUC Universitets Museum, University København, Denmark.

The lectotype is designated in order to stabilize the nomenclature in the genus in accordance with Article 74.7.3. of the Code (ICZN, 1999).

Specimens of the species designated here are provided with red printed labels with the text as follows: Lectotype [or Paralectotype, respectively], *name of taxon* Fabricius, J. Háva design. 2016.

RESULTS

Genus *Trogoderma* Dejean, 1821

***Trogoderma serraticorne* (Fabricius, 1792)**

Anthrenus serraticornis Fabricius, 1792: 265.

Anthrenus denticornis Fabricius, 1792: 265 (Lacoidaire, 1854: 468).

Eucnocerus anthrenoides Sharp, 1902: 649 **syn. nov.**

Type material. *Anthrenus serraticornis* (2 syntypes): A: serraticornis / ex Ins.J:Crux Plueg [hand-written label] // TYPE [red, printed label]. A specimen is designated here as Lectotype, another one as Paralectotype. Type material is deposited in ZMUC.

Anthrenus denticornis (2 syntypes): A: denticornis / ex Ins.J:Crux Plueg [hand written label] // TYPE [red, printed label]. A specimen is designated here as Lectotype, another one as Paralectotype. Type material is deposited in ZMUC.

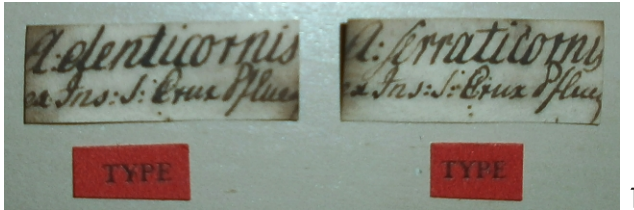


Fig. 1. Labels of *Anthrenus serraticornis* and *Anthrenus denticornis*.

Other material examined: 45 specimens of *Trogoderma anthrenoides* from Central America and U.S.A., (JHAC).

Original descriptions by Fabricius:

9. *A. niger* albo maculatus antennis flavis: clava *serraticornis*,
elongata ferrata. *nis.*

Habitat in Insula St. Crucis Dr. Pflug.

Statura omnino praecedentium. Antennae flavae clava valde elongata, ferrata. Caput cinereum. Thorax niger albo punctatus. Elytra nigra basi albo rufoque varia, in medio puncta tria distincta alba & apice frigae duae undatae albae. Corpus nigrum pedibus piceis.

10. *A. niger* thoracis margine flavescente, elytris *denticornis*,
albo punctatis, antennis flavis: clava elongata
ferrata.

Habitat in Insula St. Crucis Americes Dr. Pflug.

Forte cum praecedente proprii generis mihi haud rite notus. Antennae singulares, flavae clava valde elongata, ferrata. Caput nigrum. Thorax niger lateribus late cinereis. Elytra nigra punctis albis irrorata. Corpus nigrum pedibus flavescens. Praecedenti affinis at duplo minor.

Remarks. Fabricius (1792) described both species as *Anthrenus*. Lacoirdaire (1854) transferred both species to the genus *Trogoderma* and synonymized the species *A. denticornis* with *A. serraticornis*. Beal (1961) transferred the species *Eucnocerus anthrenoides* to the genus *Trogoderma*. Sharp described the species *Trogoderma anthrenoides* (Sharp, 1902) (originally placed in the genus *Eucnocerus*), without differential diagnosis with respect to the species *T. serraticornis*, but all morphological characters are identical with *T. serraticornis*. The species name *T. anthrenoides* (Sharp, 1902) is a junior synonym of *T. serraticornis* (Fabricius, 1792).



Fig. 2. Habitus of *Trogoderma serraticornis* (lectotype).

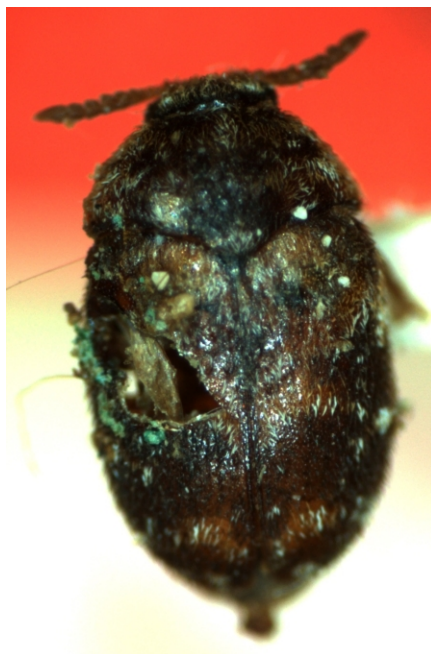


Fig. 3. Habitus of *Trogoderma denticornis* (lectotype).

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REFERENCES

- BEAL R. S. 1961: *Insects of Micronesia, Coleoptera: Dermestidae. Insects of Micronesia. Vol. 16. Number 3.* Bernice P. Bishop Museum, Honolulu, pp. 109-131.
- FABRICIUS J. C. 1792: *Entomologia Systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus. I. 1-2.* Hafniae: C. G. Proft, 1: xx + 330 pp., II: 538 pp.
- HÁVA J. 2014: Lectotype designation of *Trogoderma celatum* Sharp, 1902 (Coleoptera: Dermestidae: Megatominae). *Heteropterus, Revista de Entomología* 14(2): 115-117.
- HÁVA J. 2015: *World Catalogue of Insects. Volume 13. Dermestidae (Coleoptera).* Leiden/Boston: Brill, xxvi + 419 pp.
- International Commission of Zoological Nomenclature 1999: *International Code of Zoological Nomenclature, Fourth Edition, adopted by the International Union of Biological Sciences.* London: International Trust for Zoological Nomenclature, xxix + 305 pp. [ICZN]
- LACORDAIRE T. 1854: *Histoire Naturelle des Insectes. Genera des Coléoptères ou Exposé Méthodique et Critique de Tous Les Genres Proposés Jusqu'ici dans cet ordre d'Insectes. Tome deuxième contenant les familles des Paussides, Staphyliniens, Psélaphiens, Scydménides, Silphales, Sphériens, Trichoptérogens, Scaphidiles, Histériens, Phalacrides, Nitidulaires, Trogotitaires, Colydiens, Rhysodides, Cucujipes, Cryptophagides, Lathridiens, Mycétophagides, Thorictides, Dermestins, Byrrhiens, Géoryssins, Parnides, Hétérocéricides.* Paris: Librairie Encyclopédique de Roret, 548 pp.
- PECK S. B. 2016: The beetles of the Lesser Antilles (Insecta, Coleoptera): diversity and distributions. *Insecta Mundi* 0460: 1-360.