

**A replacement subgenus name in *Dactylozodes* Chevrolat,
1838 (Coleoptera: Buprestidae)**

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Abstract. The genus *Dactylozodes* Chevrolat, 1838 is briefly discussed in relationship to its five subgenera. The subgenus *D. (Parazodes)* Bellamy, 1998 is synonymized under *D. (Dactylozodes)* as their respective type species belong to a single subgenus under the definitions of Moore (1997). A new subgenus *D. (Nelsonozodes)* is proposed with *Stigmodera conjunctus* Chevrolat, 1838 designated as the type species. The 20 species and 4 subspecies placed in *D. (Parazodes)* by Moore (1997) are transferred to *D. (Dactylozodes)* and the 19 species and 6 subspecies placed in *Dactylozodes (Dactylozodes)* are transferred to *D. (Nelsonozodes)*.

Key Words. Coleoptera, Buprestidae, *Dactylozodes*, new subgenus, Neotropical.

INTRODUCTION

The buprestid genus *Dactylozodes* Chevrolat (1838) currently has 42 species and 11 subspecies distributed in temperate and subtropical habitats of the Neotropical and Patagonian regions of South America. The most recent review of the genus was by Moore (1997) in which he proposed one new subgenus, ten new species and presented keys to subgenera, species and known larvae. More recently (Moore 2000) added one new species and proposed several new synonyms. The genus group name *Lasionota* Mannerheim, 1837, overlooked by most workers, has priority over *Dactylozodes* but has remained virtually unknown since a footnote by Lacordaire (1857:55). The name *Lasionota* originated in the catalogue volumes of Dejean (1833, 1836) but is not valid since there was no available species name associated therein (ICZN 1999, Article 12.1). Mannerheim (1837) did provide both a valid species name (*L. quadrifasciata* Mannerheim, 1837) and a description but this has been overlooked or ignored by most subsequent authors. Gardner (1989), followed by Bellamy (1998a, 2003), argued to continue to suppress *Lasionota* under *Dactylozodes* for the sake of stability. Unfortunately the criteria to maintain *Dactylozodes* as the senior synonym (as *nomen protectum*, ICZN 1999, Article 23.9.1) cannot be met so we have submitted a petition to the International Commission of Zoological Nomenclature asking to have *Lasionota* suppressed to maintain the stability of the widely known name *Dactylozodes*.

Despite earlier works by Cobos (1958, 1959) and Théry (1935), the genus was technically undefined until Gardner (1989) designated a generic type species: *D. alternans* Chevrolat, 1838. The first subgenus, *D. (Stenozodes)*, was erected by Théry (1935) for a new species *D. monteiroi*. Cobos (1958) proposed *D. (Neodactylozodes)* and designated *D. spitzii* Théry (1936) as the type. Unfortunately, as in many of his publications, Cobos (1959) failed to designate a type species for *D. (Parazodes)*,

which remained unavailable until Bellamy 1998b) designated *Zemina brullei* Gory & Laporte (1839).

It has been overlooked until now, but as currently defined the type species of *Dactylozodes* (s. str.) and *D. (Parazodes)* are consubgeneric, which means that the name *Parazodes* is a synonym of the subgenus name *Dactylozodes*. Moore (1997) treated both as valid and was followed by Bellamy (2003), but the species placed in *D. (Parazodes)* by Moore belong to *D. (Dactylozodes)* and the species placed by Moore in *Dactylozodes* (s. str.) require a new subgeneric name. The new name, *D. (Nelsonozodes)* **subgen. nov.**, is chosen to honor Gayle Nelson for his interest in buprestids, his contributions to our understanding of them and his example to his colleagues as a productive scientist.

A CHECKLIST OF THE SPECIES OF *DACTYLOZODES* CHEVROLAT, 1838

Dactylozodes Chevrolat, 1838

Dactylozodes Chevrolat 1838:79.

Type species: *Dactylozodes alternans* Chevrolat, 1838 (fixed by subsequent designation: Gardner 1989:347).

Lasionota Dejean 1833:83; 1836:94.

Type species: unavailable name, cited without description, definition or indication (Article 21.1).

Lasionota Mannerheim 1837:102.

Type species: *Lasionota quadrifasciata* Mannerheim, 1837 (fixed by monotypy).

Dactylozodes (Dactylozodes) Chevrolat, 1838

Zemina Gory & Laporte 1839:1.

Type species: *Zemina pudibunda* Gory & Laporte, 1839 (fixed by subsequent designation: Bellamy 2003:11).

D. (Parazodes) Cobos 1959:32.

Type species: unavailable name, without fixation of type species in original publication (Article 13.3).

D. (Parazodes) Bellamy 1998:12. **syn. nov.**

Type species: *Zemina brullei* Gory & Laporte, 1839 (fixed by subsequent designation: Bellamy 1998:12).

acutipennis Moore, 1997

alternans Chevrolat, 1838

synonym: *pudibunda* (Gory & Laporte, 1839)

synonym: *humeralis* (Gory, 1841)

synonym: *tricolor* (Fairmaire, 1864)

subspecies *brucki* Cobos, 1957

atrocyaneo Moore, 1997

bivittatus (Gory & Laporte, 1839)

synonym: *carinata* (Germain, 1854)

bonaerensis Moore, 1997

bruchii Kerremans, 1903

brullei (Gory & Laporte, 1839)

synonym: *brullei* variety *discalis* (Obenberger 1922)

catamarcalis Moore, 1997

cobosi Moore, 1997

dispar Kerremans, 1903

synonym: *borelli* (Pangella, 1910)

subspecies ***gratiosus*** Cobos, 1959

subspecies ***hirsutus*** (Gory & Laporte, 1839)

subspecies ***orientalis*** Cobos, 1958

fairmairei Kerremans, 1897

synonym: *chevrolati* (Kerremans, 1897)

synonym: *strandella* (Obenberger, 1936)

okea (Gory, 1841)

subspecies ***ornatus*** Moore, 1997

politus Moore, 1997

quadrifasciatus (Mannerheim, 1837)

synonym: *dorbignyi* (Gory & Laporte, 1839)

synonym: *strandii* (Obenberger, 1928)

unavailable name: *quadrifasciatus* aberration *latifascis* (Obenberger, 1928)

synonym: *quadrifasciatus* variety *paraguayensis* (Obenberger, 1936)

quadrizonatus Blanchard, 1846

robustus Cobos, 1959

rubidipennis Pochon, 1971

unavailable name: *rubidipennis* aberration *suturinotata* (Pochon, 1971)

rufocaudalis Moore, 1986

rugicollis Moore, 1997

tetrazonus Chevrolat, 1838

synonym: *oberthuri* (Kerremans, 1897)

Dactylozodes (Arqueozodes) Moore, 1997

D. (Arqueozodes) Moore 1997:60.

Type species: *Dactylozodes (Arqueozodes) sulcatus* Moore, 1997 (original designation).

sulcatus Moore, 1997

Dactylozodes (Nelsonozodes), sbg. nov.

Type species: *Stigmodera conjunctus* Chevrolat, 1838 (**present designation**).

apicalis Kerremans, 1903

synonym: *bomplandi* (Obenberger, 1922)

unavailable name: *bomplandi* aberration *notata* (Obenberger, 1928)

bachmanni Moore, 1997

bernardi Théry, 1911

synonym: *joergenseni* (Obenberger, 1928)

synonym: *joergenseni* variety *ogloblini* (Obenberger, 1936)

synonym: *joergenseni* variety *alexandri* (Obenberger, 1936)

bifasciatus Moore, 1986

coerulans Obenberger, 1922

conjunctus (Chevrolat, 1838)

synonym: *vittata* (Gory & Laporte, 1839)

synonym: *cribricollis* (Fairmaire & Germain, 1858)

synonym: *poecilogastra* (Reed, 1873)

synonym: *similis* Obenberger, 1922)

synonym: *conjunctus* subspecies *patagonica* Obenberger 1922)

- synonym: *semivittatus* subspecies *integrovittata* Théry, 1935)
 subspecies ***semivittatus*** (Fairmaire & Germain, 1858)
 synonym: *amplicollis* (Fairmaire & Germain, 1858)
 synonym: *amplicollis* variety *inexcavata* Obenberger, 1922)
 synonym: *semivittatus* variety *thoracica* Obenberger, 1922)
 subspecies ***stenolomus*** (Philippi, 1864)
 synonym: *jucundissima* (Gory, 1841)
 synonym: *attenuata* (Germain & Kerremans, 1906)
 synonym: *deyrollei* (Fairmaire, 1867)
 synonym: *cuyana* (Germain & Kerremans, 1906)
 synonym: *vittatella* (Obenberger, 1922)
cupricollis (Gory & Laporte, 1839)
 synonym: *montagnei* (Solier, 1849)
espanoli Cobos, 1958
 synonym: *borealis* (Moore, 1997)
javierae Moore, 1987
leyboldi Steinheil, 1874
millenium Moore, 2000
minor (Solier, 1849)
 synonym: *cylindrica* (Germain & Kerremans, 1906)
 synonym: *minor* variety *cyaneipennis* (Obenberger 1936)
 synonym: *minor* variety *embriki* (Obenberger, 1936)
morosus (Gory & Laporte, 1839)
parallelus Cobos, 1958
 synonym: *luteomarginatus* (Moore, 1997)
pictus (Gory & Laporte, 1839)
 synonym: *rubronotata* (Solier, 1849)
 synonym: *cribellata* (Fairmaire, 1864)
platensis Moore, 1997
rouletii (Solier, 1849)
 synonym: *depressa* (Solier, 1849)
 subspecies ***confusus*** (Fairmaire & Germain, 1858)
 synonym: *conjuncta* (Gory, 1841)
 synonym: *bivittata* (Solier, 1849)
 synonym: *maculiventris* (Reed, 1873)
 subspecies ***conjundatrixis*** Moore, 1997
 subspecies ***roitmani*** Moore, 1997
rousseii (Solier, 1849)
 subspecies ***imperfectus*** Cobos, 1959
tucumanus Théry, 1911
- Dactylozodes (Neodactylozodes) Cobos, 1958***
D. (Neodactylozodes) Cobos 1958:88.
 Type species: *Dactylozodes spitzi* Théry, 1936 (original designation).
spitzi Théry, 1936
- Dactylozodes (Stenozodes) Théry, 1935***
D. (Stenozodes) Théry 1935:297.
 Type species: *Dactylozodes montei* Théry, 1935 (by monotypy).

vigintiguttatus (Perty, 1830)synonym: *ptosimoides* (Thomson, 1879)synonym: *monteiroi* (Théry, 1935)

References for the above listed species descriptions are not given below.

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