

SUBSTITUTE NAMES FOR THREE PREOCCUPIED GENERIC NAMES IN GASTROPODA

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ABSTRACT: Three proposed genus names in Gastropoda are nomenclaturally invalid, as the genus group names have already been used by different authors in Lepidoptera, Brachiopoda and Diptera respectively. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose substitute names for these genus names.

KEY WORDS: Replacement names, *Herbertina*, *Lowenstamia*, *Mesophora*, *Criophora*, Gastropoda.

Family CALLIOSTOMATIDAE Subfamily THYSANODONTINAE Genus *BRUCEINA* nom. nov.

Herbertina Marshall, 1988. *J. Molluscan Stud.*, 54 (2): 223. (Mollusca: Gastropoda: Vetigastropoda: Trochoidea: Calliostomatidae: Thysanodontinae). Preoccupied by *Herbertina* Schaus, 1901. *Trans. ent. Soc. London*, 1901, 329. (Insecta: Lepidoptera: Noctuoidea: Notodontidae).

Remarks on nomenclatural change: The neotropical monotypic genus *Herbertina* was erected by Schaus (1901) with the type species *Lophopteryx eumeta* Druce, 1900 by monotypy from Sierra del Libano (Colombia). It is still used as a valid genus name in Lepidoptera.

Subsequently, the gastropod genus *Herbertina* was described by Marshall (1988) with the type species *Herbertina eos* Marshall, 1988 by original designation from South Africa. Also, it is still used as a valid genus name in Gastropoda.

Thus the genus *Herbertina* Marshall, 1988 is a junior homonym of the valid genus name *Herbertina* Schaus, 1901. So I propose here that *Herbertina* Marshall, 1988 should be replaced with the new name *Bruceina*, as a replacement name.

Etymology: From the first name of the current author, Bruce A. Marshall, of the genus *Herbertina* in Gastropoda.

Summary of nomenclatural changes:

Bruceina nom. nov.

pro *Herbertina* Marshall, 1988 (non Schaus, 1901)

Bruceina cognata (Marshall, 1988) comb. nov.

from *Herbertina cognata* Marshall, 1988

Bruceina eos (Marshall, 1988) comb. nov.

from *Herbertina eos* Marshall, 1988

Bruceina hayesi (Herbert, 1995) **comb. nov.**
from *Herbertina hayesi* Herbert, 1995

Family MURICIDAE

Genus *SOHLIINA* **nom. nov.**

Lowenstamia Sohl, 1964. Prof. Pap. U.S. geol. Surv. 331B: 182. (Mollusca: Gastropoda: Neogastropoda: Muricidae). Preoccupied by *Lowenstamia* Stehli, 1961. J. Paleont. 35: 460. (Brachiopoda: Rhynchonellata: Terebratulida: Gillediidae).

Remarks on nomenclatural change: The Cretaceous extinct genus *Lowenstamia* was described by Sohl (1964) with the type species *Lowenstamia funiculus* Sohl, 1964 from America. It is still used as a valid genus name in Gastropoda.

Nevertheless the name *Lowenstamia* is already occupied. Since the name *Lowenstamia* was erected by Stehli (1961) with the type species *Lowenstamia texana* Stehli, 1961 from Texas (America). The Permian extinct genus is known from America and China. It includes 3 species as *Lowenstamia ampla* Cooper & Grant, 1976; *Lowenstamia geyaiensis* Sun, 1991 and *Lowenstamia texana* Stehli, 1961. Also, it is still used as a valid genus name in Brachiopoda.

Thus the genus *Lowenstamia* Sohl, 1964 is a junior homonym of the valid genus name *Lowenstamia* Stehli, 1961. So I suggest here that *Lowenstamia* Sohl, 1964 should be replaced with the new name *Sohliina*, as a replacement name.

Etymology: The genus is named after the current author of *Lowenstamia*, N. F. Sohl.

Summary of nomenclatural changes:

Sohliina* **nom. nov.*

pro *Lowenstamia* Sohl, 1964 (non Stehli, 1961)

Sohliina cucullata* (Sohl, 1964) **comb. nov.*

from *Lowenstamia cucullata* Sohl 1964

Sohliina funiculus* (Sohl, 1964) **comb. nov.*

from *Lowenstamia funiculus* Sohl 1964

Sohliina liratus* (Wade, 1926) **comb. nov.*

from *Lowenstamia liratus* (Wade, 1926)
Hippocampoides liratus Wade, 1926

Family TRIPHORIDAE

Genus *CORIOPHORA* Laseron, 1958 **repl. name**

Mesophora Laseron, 1958. Aust. J. mar. Freshwat. Res. 9: 592. (Mollusca: Gastropoda: Caenogastropoda: Triphoroidea: Triphoridae). Preoccupied by *Mesophora* Borgmeier, 1937. Rev. Ent., Rio de J., 7, 209. (Insecta: Diptera: Cyclorrhapha: Platypezoidea: Phoridae: *Apocephalus*).

Remarks on nomenclatural change: Firstly, the genus group name *Mesophora* was proposed by Borgmeier (1937) as a subgenus of the genus *Apocephalus* Coquillett, 1901 with the type species *Apocephalus* (*Mesophora*) *mortifer* Borgmeier, 1937 by original designation from Brazil in Diptera. The valid genus *Apocephalus* Coquillett, 1901 has 2 subgenera as the nominotypical subgenus and *Mesophora* Borgmeier, 1937. Both subgenera includes many species.

Subsequently, the genus *Mesophora* was described by Laseron (1958) with the type species *Mesophora bowenensis* Laseron, 1958 that is a synonym of *Mesophora fusca* (Dunker 1860) by original designation. The name is currently used as a valid generic name in Gastropoda

Thus the genus *Mesophora* Laseron, 1958 is a junior homonym of the valid genus group name *Apocephalus (Mesophora)* Borgmeier, 1937. Under the International Code of Zoological Nomenclature (ICZN 1999) it must be rejected and replaced. *Mesophora* Laseron, 1958 has a synonym as *Coriophora* Laseron, 1958. So, I suggest here that *Mesophora* Laseron, 1958 should be replaced with the available replacement name *Coriophora* Laseron, 1958.

Summary of nomenclatural changes:

Coriophora Laseron, 1958 **repl. name**
pro *Mesophora* Laseron, 1958 (non Borgmeier, 1937)

Coriophora albocaelarea (Laseron, 1958) **comb. nov.**
from *Mesophora albocaelarea* Laseron, 1958

Coriophora arafura (Laseron, 1958) **comb. nov.**
from *Mesophora arafura* Laseron, 1958

Coriophora calcara (Laseron, 1958) **comb. nov.**
from *Mesophora calcara* Laseron, 1958

Coriophora capricornia Laseron, 1958
from *Mesophora capricornia* (Laseron, 1958)

Coriophora cnodax (Jousseau, 1884) **comb. nov.**
from *Mesophora cnodax* (Jousseau, 1884)
Mastonia cnodax (Jousseau, 1884)

Coriophora continens (Laseron, 1958) **comb. nov.**
from *Mesophora continens* Laseron, 1958

Coriophora cybaea (Kosuge, 1963) **comb. nov.**
from *Mesophora cybaea* (Kosuge, 1963)

Coriophora dolicha (Watson, 1886) **comb. nov.**
from *Mesophora dolicha* (Watson, 1886)
Triforis dolicha Watson, 1886

Coriophora eximia Laseron, 1958
from *Mesophora eximia* (Laseron, 1958)

Coriophora fulva Laseron, 1958
from *Mesophora fulva* (Laseron, 1958)

Coriophora fusca (Dunker, 1860) **comb. nov.**
from *Mesophora fusca* (Dunker, 1860)
Triforis fusca Dunker, 1860

Coriophora granosa (Pease, 1871) **comb. nov.**
from *Mesophora granosa* (Pease, 1871)
Triphorus granosus Pease, 1871

Coriophora hungerfordi (Sowerby III, 1914) **comb. nov.**
from *Mesophora hungerfordi* (Sowerby III, 1914)
Cautor hungerfordi Sowerby III, 1914

Coriophora inconspicua Laseron, 1958
from *Mesophora inconspicua* (Laseron, 1958)

Coriophora iniqua (Laseron, 1958) **comb. nov.**
from *Mesophora iniqua* Laseron, 1958

Coriophora mellita (Laseron, 1958) **comb. nov.**
from *Mesophora mellita* Laseron, 1958

Coriophora mistura Laseron, 1958
from *Mesophora mistura* (Laseron, 1958)

Coriophora monilifera (Hinds, 1843) **comb. nov.**
from *Mesophora monilifera* (Hinds, 1843)
Triphora monilifera Hinds, 1843

Coriophora montuosa Laseron, 1958
from *Mesophora montuosa* (Laseron, 1958)

Coriophora negrita Laseron, 1958
from *Mesophora negrita* (Laseron, 1958)

Coriophora novem (Nowell-Usticke, 1969) **comb. nov.**
from *Mesophora novem* (Nowell-Usticke, 1969)
Triphora novem Nowell-Usticke, 1969

Coriophora pallenta (Laseron, 1958) **comb. nov.**
from *Mesophora pallenta* Laseron, 1958

Coriophora pura (Laseron, 1958) **comb. nov.**
from *Mesophora pura* Laseron, 1958

Coriophora purpurea (Laseron, 1958) **comb. nov.**
from *Mesophora purpurea* Laseron, 1958

Coriophora retusa Laseron, 1958
from *Mesophora retusa* (Laseron, 1958)

Coriophora rufosutura (Laseron, 1958) **comb. nov.**
from *Mesophora rufosutura* Laseron, 1958

Coriophora shihi (Chang & Wu, 2005) **comb. nov.**
from *Mesophora shihi* Chang & Wu, 2005

Coriophora tigris Laseron, 1958
from *Mesophora tigris* (Laseron, 1958)

Coriophora torpedo (Laseron, 1958) **comb. nov.**
from *Mesophora torpedo* Laseron, 1958

Coriophora tryoni (Chang & Wu, 2005) **comb. nov.**
from *Mesophora tryoni* Chang & Wu, 2005

Coriophora ustulata (Hervier, 1897) **comb. nov.**
from *Mesophora ustulata* (Hervier, 1897)
Triphora ustulata (Hervier, 1897)

Coriophora vermicula Laseron, 1958
from *Mesophora vermicula* (Laseron, 1958)

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