

REPLACEMENT NAMES FOR THREE PREOCCUPIED MAYFLIES GENUS GROUP NAMES (EPHEMEROPTERA)

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ABSTRACT: Three junior homonym genus group names were detected among the mayflies genus group names and so, the following replacement names are herein proposed: *Novokivua* nom. nov. for *Kivua* Lugo-Ortiz & McCafferty, 1997; *Mccaffertya* nom. nov. for *Callistina* Sun & McCafferty, 2001 and *Ninadsa* nom. nov. for *Leptoneta* Sinitshenkova, 1989. Accordingly, new combinations are herein proposed for the species currently included in these genus group names. *Novokivua elouardi* (Gillies, 1989) comb. nov. and *Novokivua insuetum* (Kopelke, 1980) comb. nov. from *Kivua* Lugo-Ortiz & McCafferty, 1997; *Mccaffertya panda* (Sun & McCafferty, 2001) comb. nov. from *Callistina* Sun & McCafferty, 2001 and *Ninadsa calyprata* (Sinitshenkova, 1989) comb. nov. from *Leptoneta* Sinitshenkova, 1989.

KEY WORDS: nomenclatural change, homonymy, replacement name, Coleoptera, Cerambycidae.

Three previously proposed genus group names in the mayflies order Ephemeroptera is nomenclaturally invalid, as the genus group names have already been used by a different authors in Hymenoptera, Bivalvia and Araneae. In accordance with Article 60 of the International Code of Zoological Nomenclature, I propose substitute names for these genus names.

Family BAETIDAE Genus *NOVOKIVUA* nom. nov.

Kivua Lugo-Ortiz & McCafferty, 1997. Trans. Am. Entomol. Soc. (Phila) 122 (4), December: 182. (Insecta: Ephemeroptera: Siphonuroidea: Baetidae). Preoccupied by *Kivua* Forsius, 1934. Rev. Zool. Bot. afr., 25, 398. (Insecta: Hymenoptera: Tenthredinoidea: Tenthredinidae: Blennocampinae).

Remarks on nomenclatural change: The African mayfly genus *Kivua* Lugo-Ortiz & McCafferty, 1997 was proposed with the type species *Cloeon insuetum* Kopelke, 1980 in Ephemeroptera. Nevertheless the name *Kivua* is already occupied. Forsius (1934) described a hymenopteran genus *Kivua* with the type species *Kivua seydeli* Forsius, 1934 by original designation. Thus the mayfly genus *Kivua* Lugo-Ortiz & McCafferty, 1997 is a junior homonym of *Kivua* Forsius, 1934. So I suggest here that *Kivua* Lugo-Ortiz & McCafferty, 1997 should be replaced with the new name *Novokivua*, as a replacement name.

Etymology: from the Latin word “nova” (meaning “new” in English).

Summary of nomenclatural changes:***Novokivua* nom. nov.**

pro *Kivua* Lugo-Ortiz & McCafferty, 1997 (non Forsius, 1934)

***Novokivua elouardi* (Gillies, 1989) comb. nov.**

from *Kivua elouardi* (Gillies, 1989)

= *Rhithroclaeon elouardi* Gillies, 1989

Distr.: Afrotropical.

***Novokivua insuetum* (Kopelke, 1980) comb. nov.**

from *Kivua insuetum* (Kopelke, 1980)

= *Cloeon insuetum* Kopelke, 1980

Distr.: Afrotropical.

Family CAENIDAE**Genus *MCCAFFERTYA* nom. nov.**

Callistina Sun & McCafferty, 2001. Bull. Soc. Hist. Nat. Toulouse 137: 8 (Insecta: Ephemeroptera: Caenoidea: Caenidae). Preoccupied by *Callistina* Jukes-Browne, 1908. Proc. malac. Soc. London, 8: 156. (Mollusca: Bivalvia: Veneroidea: Veneroidea: Veneridae: Pitarinae).

Remarks on nomenclatural change: The name *Callistina* was initially introduced by Jukes-Browne, 1908 for an fossil bivalve genus of Bivalvia. It is extant. It was assigned to Pterinae by Vokes (1980). Recently, Sun & McCafferty, 2001 described an madagascaran mayflies genus under the same generic name (with the type species *Callistina panda* Sun & McCafferty, 2001 by original designation and monotypy. Thus, the genus group name *Callistina* Sun & McCafferty, 2001 is a junior homonym of the genus *Callistina* Jukes-Browne, 1908. So I propose a new replacement name *Mccaffertya* nom. nov. for the genus name *Callistina* Sun & McCafferty, 2001.

Etymology: This genus is named after the second author of *Callistina*, W. P. McCafferty (USA).

Summary of nomenclatural changes:***Mccaffertya* nom. nov.**

pro *Callistina* Sun & McCafferty, 2001 (non Jukes-Browne, 1908)

***Mccaffertya panda* (Sun & McCafferty, 2001) comb. nov.**

from *Callistina panda* Sun & McCafferty, 2001

Distr.: Madagascar

Family LEPTOPHLEBIIDAE**Genus *NINADSA* nom. nov.**

Leptoneta Sinitshenkova, 1989. Paleontol. Zh. 23 (3): 35. (Insecta: Ephemeroptera: Leptophlebiidae). Preoccupied by *Leptoneta* Simon, 1872. Ann. Soc. ent. France, (5) 2, 477. (Arachnidae: Araneae: Leptonetidae).

Remarks on nomenclatural change: The name *Leptoneta* was proposed by Simon (1872) for a spider genus with the type species *Leptoneta convexa* Simon, 1872 in Araneae. This rich genus is the type genus of the family Leptonetidae (Araneae). Subsequently, the Mesozoic fossil mayfly genus *Leptoneta* was described by Sinitshenkova (1989) with the type species *Leptoneta calyprata* Sinitshenkova, 1989 by original designation. It is already occupied. Thus the mayfly genus *Leptoneta* Sinitshenkova, 1989 is a junior homonym of *Leptoneta* Simon, 1872. I propose a new replacement name *Neoleptoneta* nom. nov. for the genus name *Ninadsa* Sinitshenkova, 1989.

Etymology: This genus is named after the current author of *Leptoneta*, Nina D. Sinitshenkova (Russia).

Summary of nomenclatural changes:

Ninadsa **nom. nov.**

pro *Leptoneta* Sinitshenkova, 1989 (non Simon, 1872)

Ninadsa calyprata (Sinitshenkova, 1989) **comb. nov.**

from *Leptoneta calyprata* Sinitshenkova, 1989

Distr.: Mongolia.

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