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Dolinelater nom. nov., a substitute name for *Idiomorphus* DOLIN, 1980 (Coleoptera, Elateridae)

Charles Huber, Werner Marggi & Ursula Menkveld-Gfeller

ABSTRACT:

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The name *Idiomorphus* DOLIN, 1980, representing a fossil elaterid genus from the Late Jurassic of Karatau (Kazakhstan), is a primary junior homonym. It is preoccupied by the carabid genus name *Idiomorphus* CHAUDOIR, 1846 and is replaced by *Dolinelater* HUBER, MARGGI & MENKVELD-GFELLER nom. nov.

Zusammenfassung

Der Name *Idiomorphus* DOLIN, 1980 einer fossilen Elateridengattung aus dem Späten Jura von Karatau (Kasachstan) ist ein primäres Homonym der Carabidengattung *Idiomorphus* CHAUDOIR, 1846 und wird durch *Dolinelater* HUBER, MARGGI & MENKVELD-GFELLER nom. nov. ersetzt.

Keywords: *Dolinelater*, *Idiomorphus*, Elateridae, Late Jurassic, substitute name.

Introduction and history of the generic name *Idiomorphus*

The genus name *Idiomorphus* was established by Chaudoir (1846: 515) when he described the carabid species *I. guerinii* from the Indian Nilgiri Hills. Today, the genus *Idiomorphus* CHAUDOIR, 1846 comprises three Indian species (Bousquet 2012), and it is the type genus of the tribe Idiomorphini BATES, 1891.

Doumet (1861: 174) described a new genus of nymphalid lepidoptera from Gabon and named it *Idiomorphus* (type species: *I. hewitsonii* DOUMET, 1861). Obviously, Doumet was not aware of establishing a primary junior homonym. Ten years later Kirby (1871) rectified Doumet's error and substituted the homonym *Idiomorphus* DOUMET, 1861 by *Bicyclus*. *Bicyclus* KIRBY, 1871, still a valid genus, comprises about 90 currently recognised species distributed in sub-Saharan continental Africa (Aduse-Poku & al. 2015).

Dolin (1980: 60) established the generic name *Idiomorphus* for the third time for an elaterid genus, when he described the two fossil species *I. singularis* and *I. asperatus* from Mikhailovka, north-east of Chimkent, from lacustrine deposits of the Late Jurassic Karabastau Formation of (?Oxfordian to) Kimmeridgian age (Grimaldi & Engel 2005, Chang & al. 2009). This so-called Karatau deposit in Southern Kazakhstan is a great insect Lagerstätte. Up to now the two species are the only ones of the genus. As well as Doumet in 1861, Dolin did not realise the homology with the carabid genus *Idiomorphus* CHAUDOIR, 1846. In 2005 *Idiomorphus* DOLIN, 1980 was still handled as a valid genus name (Korneyev & Cate 2005). Up to now the homology of Dolin's name *Idiomorphus* was never clarified.

Due to the facts that Chaudoir's name *Idiomorphus* is valid and still available, and that the rules of the ICZN are applied to names of extant or extinct animals, Dolin's junior homonymic name must be rejected and replaced in accordance with article 60 of the ICZN.

Nomenclatural act

***Dolinelater* HUBER, MARGGI & MENKVELD-GFELLER nom. nov.** for *Idiomorphus* DOLIN, 1980, nec *Idiomorphus* CHAUDOIR, 1846, nec *Idiomorphus* DOUMET, 1861 (= *Bicyclus* KIRBY, 1871).

Etymology: The new replacement name is a tribute to the Ukrainian entomologist and one of the world's leading taxonomists on Elateridae, Vladimir Gdalich Dolin (1932–2004).

Catalogue of genus ***Dolinelater* HUBER, MARGGI & MENKVELD-GFELLER nom. nov.**

(following Bouchard & al. 2011)

Family Elateridae LEACH, 1815

†Subfamily Protagrypninae DOLIN, 1973

†Tribe Hyponomorphini DOLIN, 1975

†Genus *Dolinelater* HUBER, MARGGI & MENKVELD-GFELLER, 2017 [replacement name]. Type species: *Idiomorphus singularis* DOLIN, 1980

Idiomorphus DOLIN, 1980: 60 [homonym; nec CHAUDOIR, 1846, nec DOUMET, 1861];
type species: *Idiomorphus singularis* DOLIN, 1980

asperatus DOLIN, 1980: 61

singularis DOLIN, 1980: 60

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