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**A revision of the Chilean tribe Lichniini Burmeister, 1844
(Coleoptera: Scarabaeidae: Melolonthinae)**

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Abstract

The tribe Lichniini (Coleoptera: Scarabaeidae: Melolonthinae), which includes two genera and six species, is revised. A key to species, descriptions of genera and species, a checklist, distributional and temporal data, and designation of lectotypes and neotypes are given. The genus *Lichnia* Erichson, 1835 includes two species: *L. gallardoi* Gutiérrez, 1941 and *L. limbata* Erichson, 1835 (lectotype designated). The genus *Arctodidium* Burmeister, 1844 includes four species: *A. discolor* (Erichson, 1835) (neotype designated), *A. mahdii* **new species**, *A. planum* (Blanchard, 1850) (lectotype designated), and *A. vulpinum* (Erichson, 1835) (lectotype designated). The following nomenclatural changes are made: Lichniini is transferred from Glaphyridae to Melolonthinae (Scarabaeoidea: Scarabaeidae) and the spelling is emended from "Lichnini" to "Lichniini"; *Dasychaeta* Erichson, 1847 is a new junior synonym of *Lichnia*; *Dasychaeta lateralis* Erichson, 1847 (neotype designated) is a new junior synonym of *L. limbata*; *Lichnia porteri* Gutiérrez, 1941 (neotype designated) is a new junior synonym of *L. gallardoi*; *Cratoscelis aterrима* Blanchard, 1850 (lectotype designated) is a new junior synonym of *A. vulpinum*; *Cratoscelis canicapilla* Philippi & Philippi, 1864 (lectotype designated) is a new junior synonym of *A. planum*; *Cratoscelis gayana* Blanchard, 1850 (lectotype designated) is a new junior synonym of *A. vulpinum*; *Cratoscelis striolata* Redtenbacher, 1868 (lectotype designated) is a new junior synonym of *A. vulpinum*; *Cratoscelis villosa* Blanchard, 1850 (lectotype designated) is a new junior synonym of *A. vulpinum*; and *Cratoscelis* Erichson, 1835 is a junior homonym of *Cratoscelis* Lucas, 1834 (Araneae: Sicariidae) and a synonym of *Arctodidium* Burmeister, 1844.

Resumen

La tribu Lichniini que incluye dos géneros y seis especies es revisada, se incluye una clave para las especies, descripciones de los géneros y especies, una lista taxonómica, datos de distribución y temporales y se designan lectotipos y neotipos. El género *Lichnia* Erichson, 1835 incluye dos especies: *L. gallardoi* Gutiérrez, 1941 y *L. limbata* Erichson, 1835 (lectotipo designado). El género *Arctodidium* Burmeister, 1844 incluye cuatro especies: *A. discolor* (Erichson, 1835) (neotipo designado), *A. mahdii* **especie nueva**, *A. planum* (Blanchard, 1850) (lectotipo designado), y *A. vulpinum* (Erichson, 1835) (lectotipo designado). Se realizaron los siguientes cambios nomenclaturales: Lichniini es transferida de Glaphyridae a Melolonthinae (Scarabaeoidea: Scarabaeidae) y el nombre "Lichnini" es corregido y se escribe "Lichniini"; *Dasychaeta* Erichson, 1847 es un sinónimo junior de *Lichnia*; *Dasychaeta lateralis* Erichson, 1847 (neotipo designado) es un sinónimo junior de *L. limbata*; *Lichnia porteri* Gutiérrez, 1941 (neotipo designado) es un sinónimo junior de *L. gallardoi*; *Cratoscelis aterrима* Blanchard, 1850 (lectotipo designado) es un sinónimo junior de *A. vulpinum*; *Cratoscelis canicapilla* Philippi & Philippi, 1864 (lectotipo designado) es un sinónimo junior de *A. planum*; *Cratoscelis gayana* Blanchard, 1850 (lectotipo designado) es un sinónimo junior de *A. vulpinum*; *Cratoscelis striolata* Redtenbacher, 1868 (lectotipo designado) es un sinónimo junior de *A. vulpinum*; *Cratoscelis villosa* Blanchard, 1850 (lectotipo designado) es un sinónimo junior de *A. vulpinum*; y *Cratoscelis* Erichson, 1835 es un homónimo junior de *Cratoscelis* Lucas, 1834 (Araneae: Sicariidae) y un sinónimo de *Arctodidium* Burmeister, 1844.

Key words: scarab beetle, identification, taxonomy, Lichniini, Chile, *Arctodidium*, *Lichnia*, *Dasychaeta*