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A taxonomic review of the genus *Megalostomis* Chevrolat (Coleoptera, Cryptocephalinae, Chrysomelidae)

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Abstract

A taxonomic revision of the genus *Megalostomis* Chevrolat, 1836 (Coleoptera: Chrysomelidae: Cryptocephalinae: Clytrini: Megalostomina) is provided, including new data on geographic ranges. Two new species and 34 new synonymies are proposed within the genus *Megalostomis*, leaving 42 valid species in the genus. A checklist of the species of *Megalostomis* is provided, with information on host plants, ant associations, and natural enemies. The study includes a key to all species, diagnoses, descriptions, habitat, photographs, and distribution maps. This comparative study of the external and internal adult morphology includes the male and female genitalia. Nomenclatural acts proposed in this revision are as follow: **Change of status:** *M. dinamica* **stat. rev.** (= *M. flavipennis dinamica* Monrós, 1952). **New synonymy:** *M. anachoreta* Lacordaire, 1848 (= *M. gratiosa* Lacordaire, 1848, **syn. nov.**, *M. amazona* Jacoby, 1876, **syn. nov.**, *M. generosa* Baly, 1877a, **syn. nov.**, *M. balyi* Monrós, 1951a, **syn. nov.**, *M. mariae* Monrós 1951a, **new status syn.**, *M. hespenheidi* Moldenke, 1981, **syn. nov.**); *M. basilaris* Jacoby, 1880 (= *M. runa* Monrós, 1952, **syn. nov.**); *M. cornuta* Lacordaire, 1848 (= *M. cornuta* var. *divisa* Guérin, 1949, **syn. nov.**); *M. dimidiata dimidiata* (Lacordaire, 1848) (= *M. tomentosa tomentosa* Jacoby, 1880, **syn. nov.**, *M. punctatissima* (Jacoby, 1888), **syn. nov.**, *M. tomentosa orientalis* Moldenke, 1970, **syn. nov.**, *M. tomentosa sinaloensis* Moldenke, 1970, **syn. nov.**, *M. tomentosa guatemalensis* Achard, 1926 (2nd specimen only), **syn. nov.**, *M. dimidiata nayaritensis* Moldenke, 1970, **syn. nov.**, *M. dimidiata sonorensis* Moldenke, 1970, **syn. nov.**); *M. flavocincta* Lacordaire, 1848 (= *M. flavomaculata* Lacordaire, 1848, **syn. nov.**); *M. fulvipes fulvipes* Jacoby, 1888 (= *M. fulvipes yucatanensis* Moldenke, 1970, **syn. nov.**); *M. gazella* Lacordaire 1848 (= *M. bicingulata*, Lacordaire, 1848, **syn. nov.**, *M. meretrix* Lacordaire, 1848, **syn. nov.**); *M. luctuosa* Lacordaire, 1848 (= *M. iracunda* Lacordaire, 1848, **syn. nov.**); *M. microcephala* Lacordaire, 1848 [= *M. tosta* (Monrós, 1950), **syn. nov.**]; *M. notabilis notabilis* Lacordaire, 1848 (= *M. notabilis linearis* Moldenke, 1970, **syn. nov.**); *M. pyropiga pyropiga* Lacordaire, 1848 (= *M. pyropiga chiapensis* Moldenke, 1970, **syn. nov.**); *M. querula* Lacordaire, 1848 (= *M. propinqua* Lacordaire, 1848, **syn. nov.**, *M. univittata pacifica* Monrós, 1953a, **syn. nov.**); *M. religiosa* Lacordaire, 1848 (= *M. distincta* Lacordaire, 1848, **syn. nov.**); *M. splendida splendida* Lacordaire, 1848 (= *M. splendida affinis* Jacoby, 1888, **syn. nov.**; *M. splendida regalis* Achard, 1926, **syn. nov.**); *M. subfasciata subfasciata* (LeConte, 1868) [= *M. subfasciata majorubrofasciata* Moldenke, 1970, **syn. nov.**; *M. subfasciata murina* (Monrós, 1952), **syn. nov.**]; *M. tricincta* (Germar, 1824) (= *M. bubalus bubalus* Lacordaire, 1848 **syn. nov.**, *M. bubalus bubaloides* Monrós, 1953a, **syn. nov.**); *M. univittata* Lacordaire, 1848 (= *M. univittata oblita* Monrós, 1953a, **syn. nov.**); *M. viridana* Lacordaire, 1848 (= *M. metallica* Jacoby, 1888, **syn. nov.**). **Type designations:** lectotypes are designated for the following species: *M. anachoreta* Lacordaire, 1848; *M. chalybeosoma* Lacordaire, 1848; *M. coerulea* Baly, 1877a; *M. cornuta* Lacordaire, 1848; *M. dimidiata* Lacordaire, 1848; *M. flavipennis* Jacoby, 1880; *M. flavocincta* Lacordaire, 1848; *M. gazella* Lacordaire, 1848; *M. gigas* Lacordaire, 1848; *M. interruptofasciata* Baly, 1877a; *M. luctuosa* Lacordaire, 1848; *M. notabilis* Lacordaire, 1848; *M. obesa* Lacordaire, 1848; *M. placida* Baly, 1877b; *M. pyropiga* Lacordaire, 1848; *M. religiosa* Lacordaire, 1848; *M. splendida* Lacordaire, 1848; *M. subfasciata* (LeConte, 1868); *M. tricincta* (Germar, 1824); *M. uncinata* Lefèvre, 1884; *M. univittata* Lacordaire, 1848; *M. viridana* Lacordaire, 1848; *M. microcephala* Lacordaire, 1848.

Key words: Clytrini, Megalostomina, Lectotypes, New species, New synonymy

Introduction

Chamorro 2013, cited 5300 species of Cryptocephalinae comprised in 127 genera, also according to this author, of the three tribes constituting the subfamily, Clytrini is the second most diverse (with over 1300 species). Cryptocephalinae are distributed worldwide but many tribes have distinctive distributions (Erber 1988). The tribe Clytrini occurs in the Nearctic, Palearctic, Neotropical, Ethiopian, Oriental, and Australian regions. The highest species diversity of Clytrini is in South America, Africa, and Asia. They are rare in the Caribbean Islands and Australia, and absent in New Zealand. Clytrini is composed of six subtribes; of the three larger subtribes (Clytrina, Megalostomina and Babiina) the later two are well represented in the Neotropical region with nearly 350 species

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