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## On the family- and genus-series nomina in Gyrinidae Latreille, 1810 (Coleoptera, AdepHaga)

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### Abstract

All available genus- and family- group nomina for the *GYRINIDAE* (**COLEOPTERA: ADEPHAGA**) are listed along with original citation, original and current status, type nominal taxon with method of designation, and known synonymies and incorrect subsequent spellings. The nomina included follow the most current classification. Discussion is provided clarifying numerous nomenclatural problems with original spellings, correct authorship and type designation. *DINEUTINI* Ochs, 1926 **syn. nov.** is found to be a junior homonym of *DINEUTINI* Desmarest, 1851, and *ENHYDRINI* Régimbart, 1882 **syn. nov.** and its justified emendation *ENHYDRUSINI* (Anonymous 2012) are here synonymized with *DINEUTINI* Desmarest, 1851.

**Keywords:** Coleoptera, AdepHaga, *Gyrinidae*, taxonomy, classification, nomenclature

### Introduction

Supraspecific *GYRINIDAE* nomenclature is in great need of review and clarification. The nomenclature suffers from persistent issues of homonymy, synonymy, multiple attributions of authorship, and other problems, especially among genus-series nomina (Dubois 2000), i.e. “genus-group names” in the *Code* (ICZN 1999). Some of these problems have persisted for a long time, with one, the use of the two different spellings for the same “scientific name” or *nomen* (Dubois 2000), *Dineutus* and *Dineutes*, continuing for over one hundred and eighty years. The last author to treat some of the issues concerning gyrid nomenclature was Balfour-Browne (1945), whose main focus was fixing types for several generic nomina, but his work was far from a complete review and failed to resolve many problems. Although Guignot (1946) produced a similar more recent paper, his treatment resulted in no change in gyrid nomenclature. Bouchard *et al.* (2011) reviewed the family-series nomina in *GYRINIDAE* and pointed out or solved certain problems including clarification of authorship of the subtribe *DINEUTINA* Desmarest, 1851. Miller & Bergsten (2012) recently treated the phylogeny of the family *GYRINIDAE* providing the most current classification for the family, and their changes have been incorporated into this work.

A review of the nomenclature above the species-series will facilitate development of a modern catalogue to the *GYRINIDAE* species-series nomina. Several catalogues for the family *GYRINIDAE* exist (Gemminger & Harold 1868; Severin 1889; Alhwarth 1910). These catalogues are greatly out of date given the large numbers of species described in the 20<sup>th</sup> century (particularly by G. Ochs and P. Brinck), and they include numerous problems including misspellings and incorrect authorship attributions. This paper attempts to catalogue all the nomina associated with the *GYRINIDAE* above the species-series, resolve the issues of authorship of the gyrid generic nomina, resolve problems with homonymy, clarify correct spellings, and provide for stability and uniformity in gyrid nomenclature.