

Nota científica

NOMENCLATURAL NOTES ON THE SUBFAMILY CYCLOMINAE  
(COLEOPTERA: CURCULIONIDAE)

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While working on the cladistic classification of the subfamily Rhytirrhinae, I found that some family-group names (e.g., Aterpinae, Hipporhininae, Somatodinae) were too close to it to warrant separate subfamily status, so I brought them together under the name Somatodinae Schoenherr, 1823 (Morrone & Anderson, 1995; Morrone & Roig-Juñent, 1995). I ignored, however, that Richard Thompson had discovered a complex nomenclatural situation concerning this name (Thompson, 1992a), and that the International Commission on Zoological Nomenclature (ICZN, 1994) had suppressed it, placing Somatodinae Lacordaire, 1863 in the Official List of Family-Group Names in Zoology. Thus, Somatodinae is not the oldest available name for this subfamily and Cyclominae Schoenherr, 1823 (= Hipporhininae Lacordaire, 1863) should be used.

Cyclominae Schoenherr, 1823, *revised concept*, comprises elements that were assigned to Brachycerinae by Kuschel (1995). Available evidence, however, suggests that Brachycerinae sensu Kuschel represents a polyphyletic taxon, which includes the more primitive families Ithyceridae and Brachyceridae, as well as several true Curculionidae (Thompson, 1992b; Marvaldi, ined.), assigned to Thecesteminae, Entiminae (= Adelognatha), Phytominae (= Hyperinae), and Cyclominae.

The eight tribes included in the Cyclominae are as follows:

- (1) Tribe Amycterini Waterhouse (incl. Acantolophini Schenkling & Marshall, Euomini Lacordaire, Phalidurini Sharp, and Psalidurini Pierce).
- (2) Tribe Aterpini Lacordaire (incl. Pelorirrhini Lacordaire and Rhadinomini Lacordaire).

- (3) Tribe Cyclomini Schoenherr (= Hipporhinini Lacordaire).
- (4) Tribe Diabathrini Lacordaire.
- (5) Tribe Gonipterini Lacordaire.
- (6) Tribe Rhytirrhini Lacordaire (incl. Byrsopagini Lacordaire, Eupagini Lacordaire, Gronopini Bedel, Listroderini LeConte & Horn, Palaechtini Brinck, and Rhyparosomini Lacordaire).
- (7) Tribe Somatodini Lacordaire, 1863.

Although these taxa have been never included in a single subfamily, relationships between some of them have been suggested by several authors, e.g., between Amycterini and Cyclomini (Schoenherr, 1840; Lacordaire, 1863), Rhytirrhini and Cyclomini (Kuschel, 1958), Aterpini, Cyclomini, Somatodini, and Amycterini (Kuschel, 1985), Rhytirrhini and Aterpini (May, 1993), Amycterini and Somatodini (Zimmerman, 1993), Cyclomini and Aterpini (Zimmerman, 1993), and Aterpini, Rhytirrhini, and Gonipterini (Marvaldi, ined.). Based on the relatively large head, eyes facing outwards, stout rostrum, and tibiae lacking unci, Cyclominae seem to be related to Entiminae; but they can be easily distinguished from the latter by their phanerothous mouthparts.

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