

Beitr. Ent.	Berlin	ISSN 0005-805X
47(1997)2	S. 359-364	04.08.1997

# The genus- and family-group names of the Dytiscidae - additions and corrections

(Coleoptera)

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## Summary

A previous review of genus- and family-group names of the water-beetle family Dytiscidae is updated. Additions include the names described within the last six years and some older, previously overlooked names, chiefly given by GISTEL. Type species are designated for *Hydatoporus* GISTEL, *Hyobius* GISTEL, *Icmaleus* GISTEL, and *Prosciastes* GISTEL. Actobaenidae GISTEL is considered a senior subjective synonym of Hyhydrini SHARP. Conservation of Hyhydrini is recommended.

## Zusammenfassung

Eine frühere Revision der Gattungs- und Familiengruppennamen der Dytiscidae wird aktualisiert. Die Ergänzungen enthalten die in den vergangenen sechs Jahren beschriebenen Namen, und einige ältere, früher übersehene Namen, hauptsächlich von GISTEL. Für *Hydatoporus* GISTEL, *Hyobius* GISTEL, *Icmaleus* GISTEL, und *Prosciastes* GISTEL werden Typusarten designiert. Actobaenidae GISTEL wird als ein älteres subjektives Synonym von Hyhydrini SHARP erkannt. Die Konservierung von Hyhydrini wird empfohlen.

## Acknowledgements

Dr. A. F. NEWTON, Jr., Chicago, is thanked for providing important information and valuable advice.

## Introduction

The genus- and family-group names of the Dytiscidae were reviewed by NILSSON et al. (1989). There are several reasons why this list now needs to be updated. First, a few older works including descriptions of such names had been overlooked. Moreover, several new genera have been described during the passed six years. Finally, the status of some of the names have changed due to new views on classification. The same format as used by NILSSON et al. (1989) is used in the listing below.

Recently, LAWRENCE & NEWTON (1995) published a comprehensive review of the family-group names of all Coleoptera. Of the six currently recognized subfamilies of Dytiscidae, the citations of authors and years for three of them differ from that used by NILSSON et al. (1989). The opinions of LAWRENCE & NEWTON (1995) are adopted here as being correct.

## Genus-group names

### Additions

*Actobaena* GISTEL, 1856: *Myster. eur. Insectenwelt*: 355.

Type species: *Hyphydrus fabricii* CRISTOFORI, 1832: *Cat. Cristofori & Jan* 3(1): 14 [repl. name for *Dytiscus gibbus* FABRICIUS, 1777: *Gen. Ins.*: 238 = *Dytiscus ovatus* LINNAEUS, 1761: *Faun. Suec. ed. 2*: 547], by monotypy.

Current status. - Junior subjective synonym of *Hyphydrus* ILLIGER.

*Boongurrus* LARSON, 1994: *J. Aust. ent. Soc.* 33: 217.

Type species: *Boongurrus rivulus* LARSON, 1994: *J. Aust. ent. Soc.* 33: 220, by original designation.  
Current status. - Genus of Bidessini SHARP.

*Carabdytes* BALKE, HENDRICH & WEWALKA, 1992: *Ent. Z.* 102: 94.

Type species: *Carabdytes upin* BALKE, HENDRICH & WEWALKA, 1992: *Ent. Z.* 102: 94, by original designation.

Current status. - Genus of Colymbetini ERICHSON.

*Comaldessus* SPANGLER & BARR, 1995: *Ins. Mundi* 9: 301.

Type species: *Comaldessus stygius* SPANGLER & BARR, 1995: *Ins. Mundi* 9: 302, by original designation.

Current status. - Genus of Bidessini SHARP.

*Heteroelytrus* ÁDÁM in MAHUNKA, 1993: *Fauna Bükk natn. Park* 1: 81, nomen novum for *Acilius* LEACH.

Type species: *Dytiscus sulcatus* LINNAEUS, 1758: *Syst. Nat. ed. 10*, 1:412, fixed under Article 67h of the Code.

Current status. - Junior synonym of *Acilius* LEACH.

*Hydatoporus* GISTEL, 1856: *Myster. eur. Insectenwelt*: 355.

Type species: *Dytiscus palustris* LINNAEUS, 1761: *Faun. Suec. ed. 2*: 216, DESIGNATED HERE.  
Current status. - Junior subjective synonym of *Hydroporus* CLAIRVILLE.

*Hyobius* GISTEL, 1856: *Myster. eur. Insectenwelt*: 354.

Type species: *Dytiscus fenestratus* FABRICIUS, 1781: *Spec. Ins.* 1: 294, DESIGNATED HERE.  
Current status. - Junior objective synonym of *Ilybius* ERICHSON.

*Hyphovatus* WEWALKA & BISTRÖM, 1994: *Koleopt. Rdsch* 64:37.

Type species: *Hyphydrus dismorphus* BISTRÖM, 1984: *Annls ent. fenn.* 50:21, by original designation.  
Current status. - Genus of Hyhydrini SHARP.

*Icmaleus* GISTEL, 1856: *Myster. eur. Insectenwelt*: 355.

Type species: *Dytiscus transversalis* PONTOPPIDAN, 1763: *Dansk. Atlas* 1: 677, DESIGNATED HERE.

Current status. - Junior objective synonym of *Hydaticus* LEACH.

*Mesovatellus* TRÉMOUILLES, 1995: *Fauna Agua dulce Rep. Argent.* 37(1): 26.

Type species: *Derovatellus bruchi* ZIMMERMANN, 1919: *Arch. Naturgesch.* 83(1917):125, by orginal designation.

Current status. - Genus of Vatellini SHARP.

*Plateocolymbus* GISTEL, 1857: *Vacuna* 2: 606.

Type species: *Colymbetes lineatus* REDTENBACHER in HÜGEL, 1844: *Kashmir* 4:(2): 503, pl. 23:5, by monotypy.

Current status. - Placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

*Prosciastes* GISTEL, 1856: *Myster. eur. Insectenwelt*: 355.

Type species: *Dytiscus cinereus* LINNAEUS, 1758: *Syst. Nat. ed. 10*, 1: 412, DESIGNATED HERE.

Current status. - Junior objective synonym of *Graphoderus* DEJEAN.

*Rhithrodytes* BAMEUL, 1989: *Annls Soc. ent. Fr. (N.S.)* 25: 482.

Type species: *Dytiscus crux* FABRICIUS, 1792: *Ent. Syst.* 1: 199, by original designation.

Current status. - Genus of *Hydroporini* ERICHSON.

*Scaphinectes* ÁDÁM in MAHUNKA, 1993: *Fauna Bükk natn. Park* 1: 81, nomen novum for *Trochalus* DEJEAN.

Type species: *Dytiscus roeselii* FÜESSLY, 1775: *Verz. Schweiz. Ins.*: 18 [= *Dytiscus laterimarginalis* DE GEER, 1774: *Mém. Hist. Ins.* 4:396], fixed under Article 67h of the Code.

Current status. - Subgenus of *Cybister* CURTIS.

*Stygoporus* LARSON & LABONTE, 1994: *Coleopt's Bull.* 48:371.

Type species: *Stygoporus oregonensis* LARSON & LABONTE, 1994: *Coleopt's Bull.* 48:374, by original designation.

Current status. - Genus of *Hydroporini* ERICHSON.

### Corrections

*Australonectes* GUÉORGUIEV, 1972. Change "Current status" to: - Subgenus or junior subjective synonym of *Platynectes* RÉGIMBART.

*Laccornis* GOZIS, 1914. Change "Current status" to: - Genus of *Laccornini* WOLFE & ROUGHLEY.

*Leucorea* LAPORTE, 1835. Change "Current status" to: - Placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

*Meladema* LAPORTE, 1835. Change "Current status" to: - Genus of *Colymbetini* ERICHSON.

*Nipponhydrus* GUIGNOT, 1954. Change "Current status" to: - Junior subjective synonym of *Allopachria* ZIMMERMANN (NILSSON & WEWALKA 1994).

*Platynectes* RÉGIMBART. Change year of description to 1879.

*Potamonectes* ZIMMERMANN, 1921. Change "Current status" to: - Junior subjective synonym of *Nebriporus* RÉGIMBART (NILSSON & ANGUS 1992).

*Scutopterus* DEJEAN, 1833. Change "Current status" to: - Placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

*Trichonectes* GUIGNOT, 1941. Change "Current status" to: - Junior subjective synonym of *Stictotarsus* ZIMMERMANN (NILSSON & ANGUS 1992).

*Trochalus* DEJEAN, 1833 (not LAPORTE, 1832). Change "Current status" to: - Preoccupied, replaced by *Scaphinectes* ÁDÁM.

*Vatellus* AUBÉ, 1837. Change "Current status" to: - Genus of Vatellini SHARP.

*Zimmermannius* GUIGNOT, 1941. Change "Current status" to: - Subgenus of *Nebrioporus* RÉGIMBART (NILSSON & ANGUS 1992).

## Family-group names

### Additions

Actobaenidae GISTEL, 1856: *Myster. eur. Insectenwelt*: 355.

Type genus: *Actobaena* GISTEL.

Current status. - Senior subjective synonym of Hyphydrini SHARP.

Carabdytini PEDERZANI, 1995: *Atti Acc. Rov. Agiati, a. 244 (1994), ser. VII, vol. IV, B*:45.

Type genus: *Carabdytes* BALKE et al.

Current status. - Junior subjective synonym of Colymbetini ERICHSON.

Laccornini WOLFE & ROUGHLEY, 1990: *Quaest. ent.* 26: 302 (as tribe of Hydroporinae).

Type genus: *Laccornis* GOZIS.

Current status. - Tribe of Hydroporinae ERICHSON.

### Corrections

Agabetini VAN DEN BRANDEN, 1885.

Current status. - Add: or subfamily of Dytiscidae (BURMEISTER 1990).

Dytiscidae (LEACH) in BREWSTER, 1815: *Edinburgh Encycl.* 9:84 (as Dyticides, tribe of Coleoptera).

Type genus: *Dytiscus* LINNAEUS.

Current status. - Family of Coleoptera.

Hydroporinae AUBÉ in DEJEAN, 1836: *Icon. Hist. Nat. Col. Eur.* 5: 14 (as Hydroporides, tribe of Dytiscidae).

Type genus: *Hydroporus* CLAIRVILLE.

Current status. - Subfamily of Dytiscidae LEACH.

Ilybiini ACLOQUE, 1896: *Faune Fr.* 2: 81, 83 (as Ilybii, subfamily of Dytiscidae).

Type genus: *Ilybius* ERICHSON.

Current status. - Junior subjective synonym of Agabini THOMSON.

Laccophilinae GISTEL, 1856: *Myster. eur. Insectenwelt*: 354 (as Laccophilidae, family of Hydatocanthonina).

Type genus: *Laccophilus* LEACH.

Current status. - Subfamily of Dytiscidae LEACH.

## Notes

LAWRENCE & NEWTON (1995) cited SCHELLENBERG as the author of the names described in *Helvetica Entomologica* (1806), within the Dytiscidae including the generic names *Colymbetes* and *Hydroporus*. NILSSON et al. (1989) cited CLAIRVILLE as the author of the same work, following the well-documented view of MÉQUIGNON (1940). It is now clear that the latter view is correct (NEWTON, in litt.).

*Hydroporinae* was attributed to ERICHSON 1837 by NILSSON et al. (1989), whereas LAWRENCE & NEWTON (1995) referred it to AUBÉ 1836. However, the AUBÉ page cited by the latter authors was actually published in 1837, following the publication dates given by GUIGNOT (1931-1933). A closer look revealed that AUBÉ used "Hydroporides" already on page 14, which was published in 1836, and thus takes priority over ERICHSON.

GISTEL's (1856, 1857) works were over-looked by NILSSON et al. (1989). Of GISTEL's generic names only *Plateocolymbus* has priority of the names listed as valid by NILSSON et al. (1989). NILSSON (1993) applied for the conservation of *Platynectes* RÉGIMBART, and later (ICZN 1995) this was admitted and *Plateocolymbus* GISTEL was suppressed. Among the family-group names, GISTEL (1856) was the first to use Laccophilinae. Moreover, his Actobaenidae turns out to be a senior subjective synonym of Hyphydrini SHARP. As Actobaenidae has not been cited as a valid name since it was first described, it should be suppressed and the well-known Hyphydrini conserved.

ÁDÁM (1993) recently provided two replacement names in the genus-group. The replacement of *Trochalus* with *Scaphinectes* is here accepted as valid, whereas the suggested replacement of *Acilius* with *Heteroelytrus* is not motivated. The *Acilius* homonymy was regulated in Opinion 619 (ICZN 1961), in which the younger homonym (RAFINESQUE, 1815) was suppressed.

Some of the conservations of well-known generic names suggested by NILSSON et al. (1989) have now been given formal status. *Meladema* LAPORTE, 1835, was conserved by the suppression of *Scutopterus* DEJEAN, 1833 (NILSSON, 1992; ICZN, 1993), and *Vatellus* AUBÉ, 1837, was conserved by the suppression of *Leucorea* LAPORTE, 1835 (NILSSON, 1991; ICZN, 1992).

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Jahr/Year: 1997

Band/Volume: [47](#)

Autor(en)/Author(s): Nilsson Anders N., Roughley Robert E.

Artikel/Article: [The genus- and family-group names of the Dytiscidae - additions and corrections \(Coleoptera\). 359-364](#)