

World Catalogue of Dytiscidae - corrections and additions, 2 (Coleoptera: Dytiscidae)

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Abstract

A second set of corrections and additions to the "World Catalogue of Dytiscidae" (NILSSON 2001) is given. The species name *Colymbetes fenestralis* Say, 1823, is declared as a nomen oblitum, in order to ensure the continuous usage of its junior synonym *Ilybius biguttulus* (GERMAR, 1824) as a valid name (nomen protectum). New taxa described before January 1, 2004 are added. The number of recent species of the family Dytiscidae is now 3892.

Key words: Coleoptera, Dytiscidae, world, catalogue, nomen protectum, corrections, additions.

Introduction

The "World catalogue of Dytiscidae" (NILSSON 2001) was recently updated by NILSSON (2003a), covering works published up to June 30, 2002. This second update includes new taxa and other taxonomic acts published before January 1, 2004. Several publication dates have been reconsidered according to EVENHUIS (1997) and LÖBL & SMETANA (2003). The number of recent species of Dytiscidae is now 3892.

Corrections

Page 21: *Agabus labiatus*: change year of BRAHM to 1790.

Page 22: *Agabus desertorum*: change status to synonym of *A. lineatus*.

Page 23: *Agabus uliginosus* synonym *Colymbetes dispar*: change N. SYN. to CLARK 1855:4855.

Page 23: *Agabus uliginosus* synonym *Agabus reichei*: change N. SYN. to FAIRMAIRE & LABOULBÈNE 1855:190.

Page 25: *Agabus basalis*: change year of GEBLER to 1829.

Page 28: *Agabus striolatus* synonym *Colymbetes rectus*: change N. SYN. to CLARK 1855:4854.

Page 29: *Agabus melanarius* synonym *Dyticus tarsatus*: change year of ZETTERSTEDT to 1838.

Page 31: *Ilybiosoma cordatum*: add LECONTE 1853 to reference list of catalogue from present reference list.

Page 32: *Ilybius chalconatus*: change year of PANZER to 1796.

Page 34: *Ilybius ater* synonym *Dytiscus ater*: change year of PANZER to 1796.

Page 34: *Ilybius biguttulus*: add nomen protectum; synonym *Colymbetes fenestralis*: add nomen oblitum. [Article 23.9.1 of the Code is here applied to this case as the senior synonym has not been used as a valid name after 1899, and the junior synonym has been used as the valid name in at least 25 works published by at least 10 authors in the last 50 years.]

Page 35: *Ilybius cinctus* synonym *Colymbetes deplanatus*: change name of author to FISCHER VON WALDHEIM.

Page 35: *Ilybius fenestratus* synonym *Dytiscus aeneus*: change year of PANZER to 1796.

Page 35: *Ilybius fenestratus* synonym *Colymbetes prescottii*: change N. SYN. to CLARK 1855:4852.

Page 35: *Ilybius fuliginosus fuliginosus* synonym *Dytiscus lacustris*: change year of PANZER to 1796.

Page 36: *Ilybius meridionalis* synonym *Ilybius hispanicus*: change year of SHARP to 1873.

Page 38: *Platambus lunulatus*: change name of author to FISCHER VON WALDHEIM.

Page 39: *Platambus jilanzhui*: change status to synonym of *P. stygius*, N. SYN.: NILSSON 2003b:267.

Page 39: *Platambus nakanei*: change status to synonym of *P. stygius*, N. SYN.: NILSSON 2003b:267.

Page 42: *Platynectes decempunctatus* synonym *Agabus lugubris*: change year of BLANCHARD to 1843: pl. 4.

Page 42: *Platynectes dissimilis major*: change status to species, N. STAT.: ŠŤASTNÝ 2003:233.

Page 44: *Bunites distigma*: change year of BRULLÉ to 1837.

Page 45: *Colymbetes minimus*: change DESCR. to BALKE 2003:195.

Page 45: *Colymbetes tolli*: change status to synonym of *C. dolabratus*, N. SYN.: NILSSON 2002:190.

Page 46: *Meladema lanio* synonym *Colymbetes lowei*: change year of GRAY to 1831.

Page 48: *Rhantus bouvieri*: change year of RÉGIMBART to 1900.

Page 48: *Rhantus calidus* synonym *Dytiscus taeniolis*: change N. SYN. to LECONTE 1859:508 (add to catalogue reference list from present reference list).

Page 49: *Rhantus exsoletus* synonym *Dytiscus adpersus*: change year of PANZER to 1796.

Page 49: *Rhantus exsoletus* synonym *Colymbetes insolatus*: change year of GEBLER to 1829.

Page 51: *Rhantus orbignyi* synonym *Dyticus nitidus*: change year of BRULLÉ to 1837.

Page 52: *Rhantus signatus* synonym *Dyticus irroratus*: change year of BRULLÉ to 1837.

Page 54: *Aglymbus alutaceus*: change year of RÉGIMBART to 1900.

Page 55: *Aglymbus janeiroi*: synonym *Dyticus rufipes*: change year of BRULLÉ to 1837.

Page 55: *Aglymbus xanthogrammus*: change year of RÉGIMBART to 1900.

Page 64: *Copelatus bilunatus*: change year of GUIGNOT to 1955.

Page 65: *Copelatus glyptus*: change year of GUIGNOT to 1955.

Page 65: *Copelatus haemorrhoidalis* synonym *Dyticus oblongus*: change year of ILLIGER to 1801:72.

Page 67: *Copelatus bacillifer*: change year of GUIGNOT to 1955.

Page 68: *Copelatus bengalensis*: change year of GUIGNOT to 1955.

Page 69: *Copelatus freudei*: change year of GUIGNOT to 1955.

Page 70: *Copelatus lineatus*: change year of GUÉRIN-MÉNEVILLE to 1838.

Page 72: *Copelatus fijiensis*: change year of GUIGNOT to 1955.

Page 76: *Copelatus nigricollis*: change name of author to PAULINO DE OLIVEIRA.

Page 79: *Lacconectus punctipennis*: change DESCR. to BRANCUCCI 2002:29.

Page 79: *Lacconectus similis*: change OR to OR PL.

Page 79: *Lacconectus tonkinoides*: change OR to OR PL.

Page 81: *Acilius canaliculatus* synonym *Dytiscus sulcipennis*: change name of author to C.R. SAHLBERG, 1824:157; TL: Finland; Syntypes.

Page 81: *Acilius sulcatus* synonym *Acilius brevis*: change N. SYN. to BRANDEN 1885:104.

Page 83: *Graphoderus zonatus zonatus* synonym *Dytiscus zonatus*: change year of PANZER to 1796.

Page 84: *Sandracottus festivus*: change year of ILLIGER to 1801.

Page 84: *Sandracottus guerini* synonym *Dytiscus flavocinctus*: change year of GUÉRIN-MÉNEVILLE to 1838.

Page 84: *Sandracottus mixtus*: change year of BLANCHARD to 1843; pl. 4.

Page 85: *Thermonectus basillaris* synonym *Thermonectus intermedius* CROTCH: change status to valid species: N. STAT.: LARSON et al. 2000:826.

Page 85: *Thermonectus circumscriptus*: change year of LATREILLE to 1809.

Page 85: *Thermonectus marmoratus*: change year of GRAY to 1831.

Page 89: *Cybister puncticollis*: change year of BRULLÉ to 1837.

Page 90: *Cybister senegalensis* synonym var. *seidlitzii*: change year of RAGUSA to 1887.

Page 93: *Cybister lateralimarginalis* synonym *Dytiscus tataricus*: change year of GEBLER to 1829.

Page 93: *Cybister lateralimarginalis torquatus*: change name of author to FISCHER VON WALDHEIM.

Page 95: *Megadytes glaucus*: change year of BRULLÉ to 1837.

Page 95: *Megadytes obovatus*: change name of author to KIRBY.

Page 97: *Dytiscus circumflexus* synonym *Dytiscus dubius*: change name of author and year to AUDINET-SERVILLE, 1821:90, and add Syntypes.

Page 98: *Dytiscus lapponicus* synonym *Dytiscus septemtrionalis*: change N. SYN. to CLARK 1855:4850.

Page 97: *Dytiscus marginalis* synonym *Dytiscus circumductus*: change name of author and year to AUDINET-SERVILLE, 1821:90, and add Syntypes.

Page 98: *Dytiscus marginicollis*: change name of author to LECONTE, 1844: 201 (add to catalogue reference list from present reference list).

Page 98: *Dytiscus semisulcatus* synonym *Dytiscus punctulatus* var. *maurus*: change year of SCHAUFUSS to 1883.

Page 99: *Dytiscus semisulcatus* synonym *Dytiscus punctulatus*: change year of FABRICIUS to 1777.

Page 99: *Eretes australis*: Lectotype designated by MILLER 2002:261.

Page 99: *Eretes griseus* (FABRICIUS, 1781): change to valid species with distribution AF NA NT PL and the following synonyms: *Eretes sticticus moroderi* BÂGUENA CORELLA, *Eunectes plicipennis* MOTSCHULSKY and *E. succinctus* KLUG.

Page 99: *Eretes griseus* synonym *Eunectes succinctus*: Lectotype designated by MILLER 2002:264.

Page 99: *Eunectes occidentalis*: change status to synonym of *Eretes sticticus*; N. SYN.: MILLER 2002:264.

Page 99: *Eretes sticticus* synonyms *Eunectes conicollis*, *E. helvolus*, *E. occidentalis*, *E. punctatus*, *E. subcoriaceus*, and *E. subdiaphanus*: Lectotypes designated by MILLER 2002:266.

Page 100: *Hydaticus bihamatus goryi* synonym *Hydaticus scriptus*: change year of BLANCHARD to 1843: pl. 4.

Page 102: *Hydaticus grammicus*: change year of GERMAR to 1827.

Page 105: *Hydaticus quadrivittatus*: change year of BLANCHARD to 1843: pl. 4.

Page 107: *Hydaticus xanthomelas*: change year of BRULLÉ to 1837.

Page 117: *Bidessus unistriatus* synonym var. *opacus*: change year of GUIGNOT to 1932.

Page 122: *Hydroglyphus flammulatus*: change PL to OR PL.

Page 123: *Hydroglyphus geminus* synonym *Dytiscus trifidus*: change reference for PANZER to 1795b:26/2.

Page 130: *Liodes luteopictus* synonym *Bidessus poecilopterus*: change year of RÉGIMBART to 1900.

Page 134: *Nirridessus*: change status to synonym of *Tjirtudessus*; N. SYN.: WATTS & HUMPHREYS 2003:136.

Page 136: *Pseuduvarus vitticollis* synonym *Bidessus ornatipennis*: change year of RÉGIMBART to 1900.

Page 140: *Yola bicarinata* synonym *Hydroporus crispatus*: change year of GERMAR to 1825.

Page 147: *Deronectes semirufus*: change year of GERMAR to 1844.

Page 150: *Deronectes platynotus*: change year of GERMAR to 1836.

Page 151: *Graptodytes flavipes* synonym var. *cebennicus*: change year of GUIGNOT to 1932.

Page 152: *Graptodytes ignotus* synonym var. *fallaciosus*: change year of GUIGNOT to 1932.

Page 152: *Graptodytes pictus* synonym var. *fortiterpunctatus*: change year of GUIGNOT to 1932.

Page 156: *Hydroporus erythrocephalus* synonym var. *faroensis*: change year of MJÖBERG to 1917.

Page 157: *Hydroporus foveolatus* synonym var. *apfelbecki*: change year of GANGLBAUER to 1891.

Page 157: *Hydroporus lucasi* synonym *Hydroporus lucasii*: change year of REICHE to 1872.

Page 157: *Hydroporus planus*: change year of FABRICIUS to 1782 (as p. 501 is in the Appendix of Vol. 2).

Page 158: *Hydroporus pubescens* synonym *Dytiscus melanocephalus*: change N. SYN. to CLARK 1855:4862.

Page 160: *Hydroporus ferrugineus* synonym *Hydroporus victor*: change N. SYN. to CLARK 1855:4863.

Page 160: *Hydroporus melanarius* synonym *Hyphydrus ruficornis*: change year of ZETTERSTEDT to 1838.

Page 163: *Hydroporus nigrita* synonym *Hydroporus glabellus*: change N. SYN. to J.SAHLBERG 1875:150.

Page 163: *Hydroporus nigrita* synonym *Hydroporus monilicornis*: change N. SYN. to SEIDLITZ 1887:74.

Page 163: *Hydroporus nigrita* synonym *Hydroporus obovatus*: change N. SYN. to ZIMMERMANN 1931:48.

Page 163: *Hydroporus nigrita* synonym *Hydroporus trivialis*: change N. SYN. to CLARK 1855:4862.

Page 166: *Hydroporus palustris* synonym *Dytiscus sexpustulatus*: change year of FABRICIUS to 1777.

Page 166: *Hydroporus vagepictus*: change year of FAIRMAIRE & LABOULBÈNE to 1855.

Page 168: Genus *Hydrotarsus*: change status to junior synonym of *Hydroporus*; N. SYN.: RIBERA et al. 2003:500.

Page 168: *Hydrotarsus compunctus*, *H. lundbladi* & *H. pilosus*: transfer to genus *Hydroporus*, GROUP *fuscipennis*, vide RIBERA et al. 2003:500-503. *Hydroporus lundbladi* & *H. pilosus* N. COMB. RIBERA et al. 2003:503.

Page 168: *Laccornellus lugubris* synonym *Hydroporus tristis*: change year of BRULLÉ to 1837.

Page 174: *Nebrioporus* (Zimmermannius) *martinii*: transfer to subgenus *Nebrioporus* s.str., vide RIBERA 2003:490.

Page 180: *Oreodytes sanmarkii alienus*: change year of SHARP to 1873.

Page 180: *Peschetius*: change DESCR. of genus to BISTRÖM & NILSSON 2003:130.

Page 181: *Peschetius*: change DESCR. of each species to relevant page in BISTRÖM & NILSSON 2003: *aethiopicus* 146, *carinipennis* 134, *nigeriensis* 142, *nodieri* 147, *parvus* 144, *quadrucostatus* 140, *sudanensis* 136, and *toxophorus* 132.

Page 182: *Rhithrodytes numidicus*: change year of BEDEL to 1889.

Page 184: *Scarodytes kaszonensis*: change status to synonym of *halensis*; N. SYN.: CSABAI 2000:134.

Page 184: *Scarodytes nigriventris*: add N. STAT.: LUIGIONI 1929:160.

Page 186: *Trichonectes*: changes status to valid genus; N. STAT.: RIBERA 2003:490.

Page 187: *Stictotarsus griseostriatus* synonym *Hyphydrus quadristriatus*: change page with original description to 107.

Page 188: *Stictotarsus otini*: transfer to genus *Trichonectes*; N. COMB.: RIBERA 2003:490.

Page 194: *Hydrovatus parvulus*: change year of RÉGIMBART to 1900.

Page 199: *Hydrovatus parallelipennis* synonym *Hydrovatus histeroides*: change year of RÉGIMBART to 1900.

Page 203: *Herophydrus guineensis* synonym *Hydroporus inflatus*: change year of REICHE to 1872.

Page 204: *Herophydrus musicus*: change PL to AF OR PL.

Page 205: *Hygrotus caspius*: Lectotype designated by FERY 2003:162.

Page 205: *Hygrotus caspius* synonym *Coelambus reitteri*: Lectotype designated by FERY 2003:162.

Page 205: *Hygrotus chinensis*: Lectotype designated by FERY 2003:148.

Page 206: *Hygrotus chinensis* synonym *Coelambus vittatus*: Lectotype designated by FERY 2003:148.

Page 206: *Hygrotus distinctus*: change to synonym of *H. parallellogrammus*, N. SYN.: FERY 2003:136.

Page 206: *Hygrotus enneagrammus* synonym *Hydroporus blandus*: change year of GERMAR to 1836.

Page 206: *Hygrotus flaviventris*: Lectotype designated by FERY 2003:167.

Page 207: *Hygrotus impressopunctatus* synonym *similis*: change N. SYN. to CROTCH 1873:22 (add to catalogue reference list from present reference list).

Page 207: *Hygrotus impressopunctatus hiurai*: change status to synonym of *H. impressopunctatus*, N. STAT.: FERY 2003:136.

Page 207: *Hygrotus impressopunctatus roborovskii*: Lectotype designated by FERY 2003:146; change status to synonym of *H. impressopunctatus*, N. STAT.: FERY 2003:136.

Page 207: *Hygrotus marklini* synonym *Coelambus awajewi*: Lectotype designated by FERY 2003:158.

Page 207: *Hygrotus marklini* synonym *Hydroporus lutzi*: Lectotype designated by FERY 2003:159.

Page 207: *Hygrotus marklini* synonym *Hydrocoptus mixtus*: change to: *Hydroporus mixtus* FISCHER VON WALDHEIM, 1829:27; TL: Georgia (Iberia); Syntypes; N. SYN.: ZAITZEV 1910:27 (add to catalogue reference list from present reference list).

Page 208: *Hygrotus parallellogrammus* synonym *Hydroporus punctum*: change year of GEBLER to 1829.

Page 208: *Hygrotus polonicus*: Lectotype designated by FERY 2003:144.

Page 208: *Hygrotus polonicus* synonym *Coelambus sahlbergi*: Lectotype designated by FERY 2003:145; change status to subspecies of *H. polonicus*, N. STAT.: ZAITZEV 1910:26.

Page 208: *Hygrotus polonicus* synonym *Coelambus unguicularis*: Lectotype designated by FERY 2003:145.

Page 209: *Hygrotus saginatus* synonym *Hydroporus mulsanti*: Lectotype designated by FERY 2003:153.

Page 209: *Hygrotus trilineatus*: change status to synonym of *H. caspius*, N. SYN.: FERY 2003:136.

Page 209: *Hygrotus urgensis*: Lectotype designated by FERY 2003:154.

Page 209: *Hygrotus uzbekorum*: change status to synonym of *H. inscriptus*, N. SYN.: FERY 2003:136.

Page 210: *Hygrotus aequalis* (both 1932 & 1933): Lectotype designated by FERY 2003:141.

Page 210: *Hygrotus alei*: change status to synonym of *Herophydrus musicus*, N. SYN.: FERY 2003:136.

Page 210: *Hygrotus inaequalis*: change year of FABRICIUS to 1777.

Page 210: *Hygrotus inaequalis hokkaidensis*: change status to synonym of *Hygrotus inaequalis*, N. SYN.: FERY 2003:136.

Page 219: *Hovahydrus sinapi*: change reference for GUIGNOT to 1955g:139.

Page 221: *Hyphydrus conradsii* synonym *Hyphydrus opiparus*: change year of GUIGNOT to 1935.

Page 224: *Hyphydrus aubei*: change year of GANGLBAUER to 1891.

Page 224: *Hyphydrus ovatus* synonym *Dytiscus gibbus*: change year of FABRICIUS to 1777.

Page 227: *Hyphydrus lentiginosus*: change year of GUIGNOT to 1935.

Page 227: *Hyphydrus pulchellus* synonym *Hyphydrus jeanneli*: change year of GUIGNOT to 1935.

Page 230: *Laccornis kocae*: change year of GANGLBAUER to 1904.

Page 232: *Celina latipes*: change year of BRULLÉ to 1837.

Page 237: *Terradessus anophthalmus*: change name of author in headline to BRANCUCCI & MONTEITH.

Page 237: *Hydroporus mixtus*: delete name (cf. note to page 207).

Page 240: *Laccophilus aemulus*: change year of GUIGNOT to 1955.

Page 240: *Laccophilus alluaudi*: change year of RÉGIMBART to 1900.

Page 241: *Laccophilus calvus*: change year of GUIGNOT to 1955.

Page 243: *Laccophilus epibletus*: change year of GUIGNOT to 1955.

Page 244: *Laccophilus immitis*: change year of GUIGNOT to 1955.

Page 245: *Laccophilus laetus*: change year of GUIGNOT to 1955.

Page 247: *Laccophilus minutus* synonym *Dytiscus virescens*: change year of BRAHM to 1790.

Page 247: *Laccophilus nigrocinctus*: change year of GUIGNOT to 1955.

Page 249: *Laccophilus poecilus* synonym *Dyticus variegatus* GERMAR, 1812: change name of author to GERMAR & KAULFUSS, 1816.

Page 249: *Laccophilus pyrraces*: change year of GUIGNOT to 1955.

Page 251: *Laccophilus tiphii*: change year of GUIGNOT to 1955.

Page 252: *Laccophilus tonkinensis*: change OR to OR PL.

Page 271: *Bidessus geminus* ab. *fenestratus*: change year of MARCU to 1932.

Page 271: *Colymbetes aciculatus*: change year of DEJEAN to 1836.

Page 272: *Colymbetes leprieurii*: change year of DEJEAN to 1836.

Page 273: *Colymbetes pallidiventris*: change year of DEJEAN to 1836.

Page 274: *Copelatus fimbriolatus* & *C. striatipennis*: change year of DEJEAN to 1836.

Page 275: *Dytiscus canaliculatus*: change N. SYN. to BRANDEN 1885:104 (= *Acilius sulcatus*).

Page 275: *Dytiscus hybridus*: change year of DEJEAN to 1836.

Page 275: *Dytiscus inaequalis*: change year of PANZER to 1793.

Page 276: *Eretes sticticus* ab. *arevaloi* and ab. *lutescens* BÁGUENA CORELLA: change to synonyms of *Eretes griseus*, N. SYN.: MILLER 2002:268.

Page 276: *Graphoderus limbatus*, *G. petiti*, *Hydaticus dregei* & *H. flavicollis*: change year of DEJEAN to 1836.

Page 276: *Graptodytes fractus* ab. *doderoi*: change year of GUIGNOT to 1932.

Page 277: *Hydaticus pictus* & *H. rimosus*: change year of DEJEAN to 1836.

Page 278: *Hydroporus geniculatus*, *H. glabriusculus* & *H. heterocerus*: change year of DEJEAN to 1836.

Page 279: *Hydroporus mixtus*: delete name (cf. note to page 207).

Page 280: *Hydroporus vagepictus* ab. *rufescens*: change year of GUIGNOT to 1932.

Page 280: *Hydroporus vernalis*: change year of DEJEAN to 1836.

Page 281: *Laccophilus cayennensis* & *L. variegatus*: change year of DEJEAN to 1836.

Page 282: *Nogrus pallidus*: change to synonym of *Eretes griseus*, N. SYN.: MILLER 2002:268.

Page 282: *Rhantus binotatus*, *Thermonectus forstromii*, *T. leprieurii* & *T. variegatus*: change year of DEJEAN to 1836.

Page 283: *Trochalus fallax* & *T. spinolae*: change year of DEJEAN to 1836.

Page 284: *Dytiscus elevatus*: change year of PANZER to 1793.

Page 284: *Dytiscus marginepunctatus*: change year of PANZER to 1793.

Page 285: *Laccophilus aquaticus*: change name of author to WESTWOOD (in BRODIE).

Page 289: BEDEL 1888: change year to 1889.

Page 292: BLANCHARD 1853: exchange for BLANCHARD 1842-1843 (add to catalogue reference list from present reference list).

Page 292: BRAHM 1791: change year to 1790, "Zweiter Theil" to "Erster Theil", and pages to lxlii [= 92] + 248 pp.

Page 294: BRULLÉ 1838: change year to 1837.

Page 295: DEJEAN 1837: change year to 1836.

Page 296: FABRICIUS 1776: change year to 1777.

Page 297: FAIRMAIRE & LABOULBÈNE 1854: change year to 1854-1855.

Page 299: GANGLBAUER 1892: change year to 1891.

Page 299: GANGLBAUER 1906: change year to 1904.

Page 299: GEBLER 1830: change year to 1829.

Page 300: GERMAR 1812: change to GERMAR & KAULFUSS 1816.

Page 300: GERMAR 1817: change year to 1825.

Page 300: GERMAR 1830: change year to 1827.

- Page 300: GERMAR 1834: change year to 1836.
- Page 300: GERMAR 1845: change year to 1844.
- Page 300: GRAY 1832: change year to 1831.
- Page 302: GUÉRIN-MÉNEVILLE 1830: change year to 1838.
- Page 303: GUIGNOT 1934b: change year to 1935.
- Page 304: GUIGNOT 1954e: change year to 1955.
- Page 308: ILLIGER 1802a & 1802b: change year to 1801.
- Page 311: add LATREILLE 1810 from present reference list.
- Page 311: LATREILLE 1812: change year to 1809.
- Page 313: MARCU 1931: change year to 1932.
- Page 314: MJÖBERG 1916: change year to 1917.
- Page 315: MÜLLER O.F. 1774: change year to 1764.
- Page 315: NEWBERY & SHARP 1915: change journal to The Entomologist's Monthly Magazine.
- Page 317: OLIVEIRA 1880: change name of author to PAULINO DE OLIVEIRA M.
- Page 318: PANZER 1793: change Heft to 5-14.
- Page 318: PANZER 1794: change Heft to 20-24.
- Page 318: add PANZER 1795b from present reference list.
- Page 318: PANZER 1796: change Heft to 30-38.
- Page 318: PANZER 1797: change Heft to 39-40.
- Page 320: RAGUSA 1888: change year to 1887.
- Page 322: RÉGIMBART 1899d: change year to 1900.
- Page 323: REICHE 1869: change year to 1872.
- Page 325: SCHAUFUSS 1882a: change year to 1883.
- Page 327: SERVILLE 1830: change to AUDINET-SERVILLE 1821 as below.
- Page 327: SHARP 1872: change year to 1873.
- Page 329: STEVEN 1829: change name of author to FISCHER VON WALDHEIM K. (anonymous).
- Page 337: Opinion 1681: change year to 1992.

Additions

Recent names

Species-group

- Page 18: GROUP *confinis*: *Agabus* (*Acatodes*) *suoduogangi* ŠŤASTNÝ & NILSSON, 2003:212; TL: China >Yunnan >30 km E of Zhongdian; Holotype.
- Page 22: GROUP *lineatus*: *Agabus* (*Agabus*) *poppiusi* NILSSON, 2003c:97; TL: Russia >Yakutia >Namsy; Holotype.
- Page 27: *Agabus nebulosus* synonym: *Dytiscus humeralis* AUDINET-SERVILLE, 1821:96; TL: France; Syntypes; preoccupied by Marsham 1802; N. SYN.: BEDEL 1877:lxxxvii.

Page 30: *Andonectes apure* GARCÍA, 2002:328; TL: Venezuela >Apure >Samán de Apure >Achaguas; Holotype.

Page 30: *Andonectes bordoni* GARCÍA, 2002:314; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes gregarium* GARCÍA, 2002:325; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes intermedium* GARCÍA, 2002:316; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes meridensis* GARCÍA, 2002:318; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes mildredae* GARCÍA, 2002:323; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes milla* GARCÍA, 2002:324; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes pineiroi* GARCÍA, 2002:322; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes septentrionalis* GARCÍA, 2002:310; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes similis* GARCÍA, 2002:319; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Andonectes trujillo* GARCÍA, 2002:327; TL: Venezuela >Trujillo >20 km NE Boconó >El Guaramacal NP; Holotype.

Page 30: *Andonectes venezuelanum* GARCÍA, 2002:320; TL: Venezuela >Mérida >Libertador >Chorros de Milla; Holotype.

Page 30: *Hydrotrupes chinensis* NILSSON, 2003d:280; TL: China >Anhui province >Weizhou prefecture >Huang Shan NP; Holotype.

Page 38: GROUP *maculatus*: *Platambus denticulatus* NILSSON, 2003b:270; TL: China >Sichuan province >Ya'an city region >16 km N of Ya'an city; Holotype.

Page 38: GROUP *maculatus*: *Platambus heteronychus* NILSSON, 2003b:271; TL: China >Guangdong province >40 km E of Chengjia at road to Ruyuan; Holotype.

Page 39: GROUP *maculatus*: *Platambus yaanensis* NILSSON, 2003b:272; TL: China >Sichuan province >Ya'an city region >16 km N of Ya'an city; Holotype.

Page 39: GROUP *optatus*: *Platambus dabieshanensis* NILSSON, 2003b:266; TL: China >Anhui province >Anqing prefecture >Yuexi county >Dabie Shan; Holotype.

Page 40: GROUP *sawadai*: *Platambus micropunctatus* NILSSON, 2003b:269; TL: China >Guangdong province >Dinghu NR; Holotype.

Page 42: *Platynectes (Gueorguievtes) gemellatus* ŠŤASTNÝ, 2003:235; TL: China >Hong Kong; Holotype.

Page 42: *Platynectes (Gueorguievtes) kasmiranus lembarki* ŠŤASTNÝ, 2003:230; TL: China >Yunnan >10 km NE of Tengchong >Behai; Holotype.

Page 42: *Platynectes (Gueorguievtes) mazzoldii* ŠŤASTNÝ, 2003:240; TL: Thailand >Phu Hin Rongkla NP >Huai Khamunoi; Holotype.

Page 42: *Platynectes (Gueorguievtes) nanlingensis* ŠTASTNÝ, 2003:236; TL: China >Guangdong province >Nanling NP >Yao Shan; Holotype.

Page 42: *Platynectes (Gueorguievtes) rihai* ŠTASTNÝ, 2003:243; TL: China >Shandong province >Tai'an prefecture >Tai Shan NR; Holotype.

Page 43: *Platynectes (Gueorguievtes) wewalkai* ŠTASTNÝ, 2003:224; TL: Nepal >60 km W of Pokhara >Dana; Holotype.

Page 45: *Colymbetes pseudostriatus* NILSSON, 2002:191; TL: Russia >Sakhalin >NW Starodubskoye, Lake Malyy Pribrezhnoye; Holotype.

Page 48: *Rhantus bohlei* BALKE, ROUGHLEY, SONDERMANN & SPANGLER, 2002:266; TL: Costa Rica >San José province > km 68 Pan-Am Hwy.; Holotype.

Page 61: *Copelatus iguelaensis* BILARDO & ROCCHI, 2002:156; TL: Gabon >Laguna Iguéla >Ntchongorovié; Holotype.

Page 65: *Copelatus consimilis* BILARDO & ROCCHI, 2002:158; TL: Gabon >Laguna Iguéla >Ntchongorovié; Holotype.

Page 66: *Copelatus minor finitimus* Bilardo & Rocchi, 2002:165; TL: Gabon >35 km E of Oyem; Holotype.

Page 66: *Copelatus imitator* BILARDO & ROCCHI, 2002:158; TL: Gabon >Laguna Iguéla >Ntchongorovié; Holotype.

Page 67: *Copelatus assimilis incristatus* BILARDO & ROCCHI, 2002:164; TL: Gabon >Makokou >Chutes Kongou; Holotype.

Page 70: *Copelatus mulangensis* BAMEUL, 2003:78; TL: Malawi >S part >Mulange mountain >NNE of Mimosa; Holotype.

Page 71: *Copelatus sudrei* BAMEUL, 2003:75; TL: Malawi >NE part >Vwaza NP >S part; Holotype.

Page 76: *Copelatus kainantuensis* BALKE, 2001a:361; as replacement name for *Copelatus formosus* Balke; TL: Papua New Guinea >Eastern Highlands province >Onerunka.

Page 77: *Copelatus madangensis* BALKE, 2001a:362; as replacement name for *Copelatus inornatus* Balke; TL: Papua New Guinea >Madang province >Brahman-Bundi area.

Page 77: *Copelatus (Papuadytes) shizong* BALKE & BERGSTEN, 2003:90; TL: China >Yunnan >Shizong; Holotype.

Page 77: *Copelatus bagus* BALKE & HENDRICH, 2001:361; as replacement name for *Copelatus speciosus* Balke & Hendrich; TL: Indonesia >Irian Jaya >Nabire-Paniai province >Gamey mt >Nabire-Ilaga.

Page 78: *Lacconectus jaechi* BRANCUCCI, 2002:23; TL: Indonesia >Sumatra >70 km SE Padang >Gg. Talang; Holotype.

Page 78: *Lacconectus kubani* BRANCUCCI, 2003a:98; TL: Laos >Louangphrabang >Ban Song Cha; Holotype.

Page 78: *Lacconectus maoyangensis* BRANCUCCI, 2003a:103; TL: China >Hainan >30 km E Maoyang; Holotype.

Page 78: *Lacconectus menglunensis* BRANCUCCI, 2003a:100; TL: China >Yunnan >15 km W of Menglun; Holotype.

Page 78: *Lacconectus meyeri* BRANCUCCI, 2003a:101; TL: Laos >Oudomxai province >Oudom Xai village; Holotype.

Page 78: *Lacconectus nigrita* BRANCUCCI, 2003a:97; TL: Laos >Oudomxai province >Oudom Xai village; Holotype.

Page 78: *Lacconectus pseudonicolasi* BRANCUCCI, 2003a:106; TL: Laos >Louangphrabang province >Ban Song Cha; Holotype.

Page 78: *Lacconectus pseudosimilis* BRANCUCCI, 2003a:105; TL: Laos >Kham Mouan province >Ban Khoun Ngeum; Holotype.

Page 79: GROUP *fulvescens*: *Lacconectus schillhammeri* BRANCUCCI, 2003:104; TL: Laos >Viangchan province >Phou Khao Khouay NP; Holotype.

Page 79: GROUP *fulvescens*: *Lacconectus schoedli* BRANCUCCI, 2002:27; TL: Indonesia >Sumatra >NSG Lemba Harau >15 km NE Payakumbu; Holotype.

Page 79: GROUP *fulvescens*: *Lacconectus schoenmanni* BRANCUCCI, 2002:25; TL: Indonesia >Sumatra >Aceh >Louser NP >30 km NW Kutacane; Holotype.

Page 79: GROUP *scholzi*: *Lacconectus blandulus* BRANCUCCI, 2003b:31; TL: India >Kerala >30 km NNE Trivandrum; Holotype.

Page 79: GROUP *scholzi*: *Lacconectus munnarensis* BRANCUCCI, 2003b:30; TL: India >Kerala >Kallar Valley >10 km WSW Munnar; Holotype.

Page 79: GROUP *scholzi*: *Lacconectus pacholatko* BRANCUCCI, 2003b:27; TL: India >Karnataka >Western Ghats >18 km E Shiradi >Gundia; Holotype.

Page 79: GROUP *scholzi*: *Lacconectus satoi* BRANCUCCI, 2003b:33; TL: India >Karnataka >Western Ghats >18 km E Shiradi >Gundia; Holotype.

Page 79: GROUP *scholzi*: *Lacconectus splendidus* BRANCUCCI, 2003b:25; TL: India >Meghalaya >Nokrek NP >3 km S Daribokgiri; Holotype.

Page 87: *Austrodytes plateni* HENDRICH, 2003a:49; TL: Australia >Pilbara >Millstream Chichester NP >McKenzie Springs; Holotype.

Page 99: *Eretes explicitus* K.B. MILLER, 2002:266; TL: US >Texas >Balmorhea State Park; Holotype.

Page 105: *Hydaticus satoi dhofarensis* PEDERZANI, 2003:105; TL: Oman >Dhofar region >Ain Sanahawq; Holotype.

Page 112: *Bidessodes (Bidessodes) gutteridgei* WATTS & HUMPHREYS, 2003:154; TL: Australia >WA >Three Rivers Station >Limestone Well; Holotype.

Page 112: *Bidessodes (Bidessodes) limestoneensis* WATTS & HUMPHREYS, 2003:156; TL: Australia >WA >Three Rivers Station >Limestone Well; Holotype.

Page 135: *Papuadessus pakdjoko* BALKE, 2001:108; TL: Indonesia >Irian Jaya >Borne >Takime river; Holotype.

Page 136: *Pseuduvarus secundus* BILARDO & ROCCHI, 2002:153; TL: Gabon >Laguna Iguéla >Ntchongorovié; Holotype.

Page 136: *Tjirtudessus bialveus* WATTS & HUMPHREYS, 2003:139; TL: Australia >WA >Cunyu Station >Site289; Holotype.

Page 136: *Tjirtudessus cunyuensis* WATTS & HUMPHREYS, 2003:141; TL: Australia >WA >Cunyu Station >Sweetwaters Well; Holotype.

Page 136: *Tjirtudessus jundeeensis* WATTS & HUMPHREYS, 2003:143; TL: Australia >WA >Jundee Station >Jundee Homestead; Holotype.

Page 136: *Tjirtudessus karalundiensis* WATTS & HUMPHREYS, 2003:144; TL: Australia >WA >Karalundi; Holotype.

Page 136: *Tjirtudessus macrotarsus* WATTS & HUMPHREYS, 2003:146; TL: Australia >WA >Cunyu Station >Site 289; Holotype.

Page 136: *Tjirtudessus silus* WATTS & HUMPHREYS, 2003:147; TL: Australia >WA >Cunyu Station >Sweetwaters Well; Holotype.

Page 136: *Tjirtudessus sweetwatersensis* WATTS & HUMPHREYS, 2003:149; TL: Australia >WA >Cunyu Station >Sweetwaters Well; Holotype.

Page 136: *Tjirtudessus wilunaensis* WATTS & HUMPHREYS, 2003:151; TL: Australia >WA >Wiluna Gold >Lake Violet Borefield; Holotype.

Page 136: *Tjirtudessus yuinmeryensis* WATTS & HUMPHREYS, 2003:152; TL: Australia >WA >Yuinmery Station >New Well; Holotype.

Page 137: *Uvarus densepunctatus* BILARDO & ROCCHI, 2002:153; TL: Gabon >Rembo Echira >Akaka; Holotype.

Page 153: *Heterosternuta phoebeae* WOLFE & HARP, 2003:117; TL: US >Arkansas >Searcy Co. >Bear Creek at US Hwy 65; Holotype.

Page 155: GROUP *amguemensis*: *Hydroporus amguemensis* SHAVERDO, 2003:59; TL: Russia >Northern Far East >Chukotka >Amguema river; Holotype.

Page 169: *Metaporus orientalis* TOLEDO & HOSSEINIE, 2003:59; TL: Iran >Bushehr province >60 km N of Borazjan; Holotype.

Page 175: *Necterosoma theonathani* HENDRICH, 2003b:153; TL: Australia >WA >East Kimberley >Mitchell Plateau; Holotype.

Page 178: *Nirripiri darlotensis* WATTS & HUMPHREYS, 2003:157; TL: Australia >WA >Melrose Station >near Halfpenny Well; Holotype. [This genus of Hydroporini was erroneously added to page 135 in the first set of additions (NILSSON 2003a).]

Page 178: *Nirripiri fortisspina* WATTS & HUMPHREYS, 2003:159; TL: Australia >WA >Pinnacles Station >Site 432; Holotype.

Page 178: *Nirripiri hamoni* WATTS & HUMPHREYS, 2003:160; TL: Australia >WA >Milgun Station >Earrie Well; Holotype.

Page 178: *Nirripiri killaraensis* WATTS & HUMPHREYS, 2003:162; TL: Australia >WA >Killara Station >Two Mile Bore; Holotype.

Page 178: *Nirripiri macrocephalus* WATTS & HUMPHREYS, 2003:163; TL: Australia >NT >Napperby Station >Herbert Well; Holotype.

Page 178: *Nirripiri melroseensis* WATTS & HUMPHREYS, 2003:165; TL: Australia >WA >Melrose Station >Halfpenny Well; Holotype.

Page 178: *Nirripiri milgunensis* WATTS & HUMPHREYS, 2003:166; TL: Australia >WA >Milgun Station >Earrie Well; Holotype.

Page 178: *Nirripiri napperbyensis* WATTS & HUMPHREYS, 2003:168; TL: Australia >NT >Napperby Station >Herbert Well; Holotype.

- Page 178: *Nirripiriti newhavenensis* WATTS & HUMPHREYS, 2003:169; TL: Australia >NT >Newhaven Station; Holotype.
- Page 178: *Nirripiriti pentameres* WATTS & HUMPHREYS, 2003:171; TL: Australia >NT >Newhaven Station >Camel Well; Holotype.
- Page 178: *Nirripiriti plutonicensis* WATTS & HUMPHREYS, 2003:172; TL: Australia >WA >Three Rivers Station >Plutonic Borefield; Holotype.
- Page 178: *Nirripiriti scaphites* WATTS & HUMPHREYS, 2003:174; TL: Australia >WA >Karatundi; Holotype.
- Page 178: *Nirripiriti stegastos* WATTS & HUMPHREYS, 2003:175; TL: Australia >WA >Karatundi; Holotype.
- Page 178: *Nirripiriti wedgeensis* WATTS & HUMPHREYS, 2003:177; TL: Australia >NT >Central Mt Wedge Station >Coppocks Bore; Holotype.
- Page 181: *Peschetius ultimus* BISTRÖM & NILSSON, 2003:138; TL: RSA >Transvaal >Kareefontein; Holotype.
- Page 182: Synonym of *Rhithrodytes crux*: *Hydroporus fasciatus* CLARK, 1855:4858; TL: France; Syntypes; preoccupied by HARRIS 1828a; N. SYN.: ZIMMERMANN 1920:110.
- Page 210: *Hygrotus (Coelambus) zigetangco* FERY, 2003:156; TL: China >Tibet >Nagqu prefecture >Zige Tangco lake; Holotype.
- Page 235: *Derovatellus (Varodetellus) satoi* BISTRÖM, 2003:87; TL: Namibia >East Caprivi >Mudumu NP >Buffalo Trails camp; Holotype.
- Page 242: *Laccophilus comoensis* PEDERZANI & REINTJES, 2002:35; TL: Ivory Coast >Comoé NP >Comoé river; Holotype.
- Page 249: *Laccophilus pseudanticatus* TOLEDO, HENDRICH & ŠŤASTNÝ, 2002:190; TL: Indonesia >South Sulawesi >20 km NE Bantimurung; Holotype.
- Page 250: *Laccophilus seseanus* TOLEDO, HENDRICH & ŠŤASTNÝ, 2002:191; TL: Indonesia >South Sulawesi >Rantepao environment >Sesean mt. >S slope; Holotype.
- Page 254: *Neptosternus arnecornelii* HENDRICH & BALKE, 2003:183; TL: Indonesia >Borneo >West Kalimantan >Tanjung Lokan; Holotype.
- Page 255: *Neptosternus martiniae* HENDRICH & BALKE, 2001:1262; TL: Indonesia >Central Sulawesi >Tambusigi mt.; Holotype.
- Page 270: *Agabus herrmanni* FABRICIUS 1775 sensu BEDEL, 1881:244; TL: France >Seine, Seine-et-Oise, Aube, Somme, Orne departements; misidentification; N. SYN.: SEIDLITZ 1887:96 (= *Agabus undulatus*).
- Page 275: *Dytiscus circumflexus* ab. *niger* FLEISCHER, 1914:65; TL: Czech Republic >Mähren >E part; infrasubspecific (= *Dytiscus circumflexus*).
- Page 276: *Gaurodytes arcticus* var. *obscurus* J.SAHLBERG, 1900:16; TL: Finland; nomen nudum (= *Agabus arcticus arcticus*).
- Page 278: *Hydroporus geminus* ab. *dorsalis* GERHARDT, 1910:2; TL: Poland >Legnica (Liegnitz); infrasubspecific (= *Hydroglyphus geminus*).
- Page 279: *Hydroporus pictus* ab. *sexmaculatus* DORSSELAER, 1913:346; TL: Belgium >Thielen; infrasubspecific; preoccupied by HÄNEL 1911 (= *Graptodytes pictus*).

Page 282: *Nipponhydrus guizhouensis* HUA, 2002: 40; TL: China >Guizhou; nomen nudum (name to be replaced was never published).

Genus-group

Page 135: *Papuadessus* BALKE, 2001:108; gender masculine; type species: *Papuadessus pakdjoko* BALKE, 2001:108 by original designation.

Fossil names

Species-group

Page 265: *Copelatus aphroditae* BALKE, 2003:810; TL: Baltic region (Eocene); Holotype.

Page 265: *Copelatus predaveterus* K.B. MILLER, 2003:812; TL: Dominican Republic (Miocene - Oligocene); Holotype.

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