

Catalogue of Palearctic Noteridae (Coleoptera)

created by **Anders N. Nilsson**, University of Umeå, Sweden

published as a chapter in the **Catalogue of Palaeartic Coleoptera**:

Nilsson A.N. 2003: Family Noteridae C.G. Thomson, 1860, pp. 33-35. In: Löbl I. & Smetana A. (eds.): *Catalogue of Palaeartic Coleoptera. Volume 1. Archostemata – Myxophaga – Adepfaga*. Stenstrup: Apollo Books, 819 pp.

and

Hájek J. 2017: Family Noteridae C.G. Thomson, 1860, pp. 844-845. In: Löbl I. & Löbl D. (eds.): *Catalogue of Palaeartic Coleoptera. Volume 1. Revised and updated edition. Archostemata – Myxophaga – Adepfaga*. Leiden/Boston: Brill, XXXIV + 1443 pp.

updated and modified by **Jiří Hájek** <jiri.hajek@nm.cz>, National Museum Prague, Czech Republic

Update distributed as a PDF file via Internet; version 2024-01-01.

Available from: <http://www.waterbeetles.eu>

[Changes relative to former version marked in yellow. The following abbreviations are used: (HN) homonym, and (RN) replacement name]

GEOGRAPHICAL SYMBOLS

E Europe

AB	Azerbaijan	LS	Liechtenstein
AL	Albania	LT	Lithuania
AN	Andorra	LU	Luxembourg
AR	Armenia	MA	Malta
AU	Austria	MC	Macedonia
AZ	Azores	MD	Moldavia
BE	Belgium	ME	Montenegro
BH	Bosnia Herzegovina	NL	The Netherlands
BU	Bulgaria	NR	Norway
BY	Belarus	PL	Poland
CR	Croatia	PT	Portugal
CZ	Czech Republic	RO	Romania
DE	Denmark	RU	Russia
EN	Estonia	CT	Russia: Central European Territory
FA	Faeroe Islands	NT	Russia: North European Territory
FI	Finland	ST	Russia: South European Territory
FR	France (incl. Corsica, Monaco)	SB	Serbia
GB	Great Britain (incl. Channel Islands)	SK	Slovakia
GE	Germany	SL	Slovenia
GG	Georgia	SP	Spain (incl. Gibraltar)
GR	Greece (incl. Crete)	SV	Sweden
HU	Hungary	SZ	Switzerland
IC	Iceland	TR	Turkey
IR	Ireland	UK	Ukraine
IT	Italy (incl. Sardinia, Sicily, San Marino)	YU	former Yugoslavia (without precise information)
KZ	Kazakhstan		
LA	Latvia		

N North Africa

AG	Algeria	MO	Morocco (incl. Western Sahara)
CI	Canary Islands	MR	Madeira Archipelago
EG	Egypt	TU	Tunisia
LB	Libya		

A Asia

AE	United Arab Emirates	XIZ	Xizang (Tibet)
AF	Afghanistan	YUN	Yunnan
AP	India: Arunachal Pradesh	ZHE	Zhejiang (Chekiang)
BA	Bahrain	CY	Cyprus
BT	Bhutan	HP	India: Himachal Pradesh
CH	China	IN	Iran
ANH	Anhui (Anhwei)	IQ	Iraq
BEI	Beijing (Peking or Peiping)	IS	Israel
CHQ	Chongqing	JA	Japan
FUJ	Fujian (Fukien)	JO	Jordan
GAN	Gansu (Kansu)	KA	Kashmir
GUA	Guandong (Kwantung)	KI	Kyrgyzstan
GUI	Guizhou (Kweichow)	KU	Kuwait
GUX	Guangxi (Kwangsi)	KZ	Kazakhstan
HAI	Hainan	LE	Lebanon
HEB	Hebei (Hopeh)	MG	Mongolia
HEI	Heilongjiang (Heilungkiang)	NC	North Korea
HEN	Henan (Honana)	NP	Nepal
HKG	Hong Kong	OM	Oman
HUB	Hubei (Hupeh)	PA	Pakistan
HUN	Hunan	QA	Qatar
JIA	Jiangsu (Kiangsu)	RU	Russia
JIL	Jilin (Kirin)	ES	Russia: East Siberia
JIX	Jiangxi (Kiangsi)	FE	Russia: Far East
LIA	Liaoning	WS	Russia: West Siberia
MAC	Macao	SA	Saudi Arabia
NIN	Ningxia (Ningsia)	SC	South Korea
NMO	Nei Mongol (Inner Mongolia)	SD	India: Sikkim, Darjeeling District
QIN	Qinghai (Tsinghai)	SI	Egypt: Sinai
SCH	Sichuan (Szechwan)	SY	Syria
SHA	Shaanxi (Shensi)	TD	Tajikistan
SHG	Shanghai	TM	Turkmenistan
SHN	Shandong (Shantung)	TR	Turkey
SHX	Shanxi (Shansi)	UP	India: Uttarakhand (= Uttaranchal), Uttar Pradesh
TAI	Taiwan (Formosa)	UZ	Uzbekistan
TIA	Tianjin (Tsiensin)	YE	Yemen (incl. Socotra)
XIN	Xinjiang (Sinkiang)		

World Zoogeographical Regions

AFR	Afrotropical Region
AUR	Australian Region
NAR	Nearctic Region
NTR	Neotropical Region
ORR	Oriental Region

family **NOTERIDAE** C.G. Thomson, 1860
 subfamily **Noterinae** C.G. Thomson, 1860
 tribe **Noterini** C.G. Thomson, 1860

genus *Canthyrus* Sharp, 1882: 269 type species *Hydrocanthus guttula* Aubé, 1838

***angularis* Sharp, 1882: 277 A: CH (?TAI YUN) ORR**

= *bakeri* Peschet, 1921: 693

= *scapharius* Guignot, 1948b: 9

antonellae Toledo, 2003: 78 A: CH (YUN)

arabicus Sharp, 1882: 275 A: SA

diophthalmus Reiche & Sauley, 1855: 641 (*Hydrocanthus*) N: EG A: CY LE IN IQ IS KU SI SY TR UZ **AFR**

= *badenii* Wehncke, 1876: 223 (*Hydrocanthus*)

= *ornatus* Sharp, 1882: 275

flavus Motschulsky, 1855c: 83 (*Hydrocanthus*) A: CH (FUJ GUA HAI HKG HUB TAI YUN) **ORR**

= *fulvescens* Régimbart, 1889: 149

laetabilis Walker, 1858: 205 (*Hydroporus*) A: **IN HP** NP PA UP **ORR**

= *amiculus* Guignot, 1948b: 9

= *orientalis* Wehncke, 1876: 222 (*Hydrocanthus*)

luctuosus Aubé, 1838: 408 (*Hydrocanthus*) A: IN IQ SA SY **ORR**

= *frontalis* Sharp, 1882: 276

= *sempunctatus* Sharp, 1882: 276

nitidulus Sharp, 1882: 278 A: CH (BEI FUJ GUA GUI HAI HKG HUB JIA JIX SCH TAI ZHE) JA **ORR**

= *bifasciatus* Régimbart, 1889: 148

notula Erichson, 1843: 220 (*Hydrocanthus*) A: OM YE **AFR**

= *biguttatus* Régimbart, 1895a: 188

= *biguttatus* Régimbart, 1895b: 123 [HN]

politus Sharp, 1873: 51 (*Hydrocanthus*) A: CH (BEI FUJ GUI HEB HUB HUN JIA JIX LIA SCH SHG SHN) JA
 SC

proximus Sharp, 1882: 278 A: CH

ritsemae Régimbart, 1880: 213 (*Hydrocanthus*) A: CH (GUA HAI HKG) NP **ORR**

= *javanus* Wehncke, 1883: 149

= *pseudoflavus* Rocchi, 1986: 31

***siculus* Ragusa, 1882: 249 (*Hydrocanthus*) E: IT (Sardinia, Sicily) SP N: AG EG LB MO TU**

= *numidicus* Bedel, 1925: 375

testaceus Boheman, 1858: 19 (*Hydrocanthus*) A: CH

genus *Neohydrocoptus* Satô, 1972: 144 type species *Hydrocoptus bivittis* Motschulsky, 1860

aethiopicus J. Balfour-Browne, 1961: 62 (*Hydrocoptus*) A: SI **AFR**

bivittis Motschulsky, 1860: 44 (*Hydrocoptus*) A: CH (GUA HAI HKG TAI) JA **ORR**

= *mysorensis* Guignot, 1954: 198 (*Hydrocoptus*)

jaechi Wewalka, 1989: 143 (*Hydrocoptus*) N: EG A: IS SI

rubescens Clark, 1863: 426 (*Hydroporus*) A: CH (?HKG) **ORR**

subvittulus Motschulsky, 1860: 43 (*Hydrocoptus*) A: CH (FUJ GUA YUN) JA NP PA **ORR**

= *sternalis* Seidlitz, 1887: 78 (*Methles*)

= *vittatus* Sharp, 1882: 262 (*Hydrocoptus*)

genus *Noterus* Clairville, 1806: 222 type species *Dytiscus crassicornis* O.F. Müller, 1776

angustulus Zaitzev, 1953: 95 A: CH (BEI HEI JIL NMO) JA NC RU (FE)

clavicornis De Geer, 1774: 402 (*Dytiscus*) E: AB AL AR AU BE BH BU BY CR CZ DE EN FI FR GB GE GG GR
 HU IR IT LA LS LT LU MC MD ME NL NR PL PT RO RU (CT ST) SB SK SL SP SV SZ TR UK YU A: CH
 (HEI SHA XIN) IN IQ IS JO KA KZ LE MG RU (ES WS) SY TM TR

= *convexiusculus* Reiche & Sauley, 1855: 640

= ***major* F. Balfour-Browne, 1965: 19 [RN]**

= *semipunctatus* Fabricius, 1792: 199 (*Dytiscus*)

= *sparsus* Marsham, 1802: 430 (*Dytiscus*)

***coreanus* Lee & Jung in Lee et al., 2023: 502 A: SC**

crassicornis O.F. Müller, 1776: 72 (*Dytiscus*) E: AU BE BH BU BY CR CZ DE EN FI FR GB GE HU IR IT LA LT
 LU MC MD NL NR NT PL RO RU (ST) SB SK SL SV TR UK A: CY ES IN KA KZ WS

= *capricornis* Herbst, 1784: 128 (*Dytiscus*)

= *geerii* Leach, 1817: 71

= *minor* F. Balfour-Browne, 1965: 19 [RN]

= *simulator* Porta, 1923: 257

granulatus Régimbart, 1883: 225 A: CH

japonicus Sharp, 1873: 52 A: CH (BEI FUJ GUI HAI HEB HEI HKG HUB JIA JIL JIX LIA NIN NMO SHA SHN YUN) JA NC RU (FE) SC

laevis Sturm, 1834: 135 E: CR FR IT PT SP N: AG MO TU

ponticus Sharp, 1882: 266 A: IN IQ KU

genus *Sternocanthus* Guignot, 1948a: 166 type species *Hydrocanthus micans* Wehncke, 1883
indicus Wehncke, 1876: 223 (*Hydrocanthus*) A: CH (HKG) **ORR**

genus *Synchortus* Sharp, 1882: 264 type species *Hydrocanthus asperatus* Fairmaire, 1869

imbricatus Klug, 1853: 249 (*Noterus*) N: EG A: SI **AFR**

= *aequatorius* Guignot, 1936: 38

= *echinatus* Régimbart, 1895b: 120

= *fragosus* Guignot, 1947: 25

subfamily **Notomicrinae** Zimmermann, 1919

tribe **Notomicrini** Zimmermann, 1919

genus *Notomicrus* Sharp, 1882: 260 type species *Notomicrus brevicornis* Sharp, 1882

tenellus Clark, 1863: 427 (*Hydroporus*) A: JA (Ryukyus) **AUS ORR**

tribe Phreatodytini Uéno, 1957

genus *Phreatodytes* Uéno, 1957: 252 type species *Phreatodytes relictus* Uéno, 1957

archaeicus Uéno, 1996: 9 A: JA

elongatus Uéno, 1996: 22 A: JA

haibaraensis M. Kato in Kato et al., 2010: 719 A: JA

latiusculus Uéno, 1996: 16 A: JA

mohrii Uéno, 1996: 20 A: JA

relictus Uéno, 1957: 257 A: JA

sublimbatus Uéno, 1996: 13 A: JA

REFERENCES

- Aubé C. 1838: *Species général des hydrocanthares et gyriniens; pour faire suite au species général des coléoptères de la collection de M. le comte Dejean*. Paris: Méquignon Père et Fils, xvi + 804 pp.
- Balfour-Browne F. 1965: The transference of species names within a genus. *The Entomologist's Record* **77**: 19.
- Balfour-Browne J. 1961: Notes on African Hydrocoptus (Col., Dytiscidae). *Entomologische Arbeiten aus dem Museum G. Frey* **12**: 60-67.
- Bedel L. 1895-1925: *Catalogue raisonné des coléoptères du Nord de l'Afrique (Maroc, Algérie, Tunisie et Tripolitaine) avec notes sur la faune des Îles Canaries et de Madère. Première partie*. Paris: Société Entomologique de France, 402 pp. [pp. 321-402 published in 1925]
- Boheman C.H. 1858-1859: Coleoptera. Pp. 1-217 + pls. I-II. In: *Kongliga svenska fregatten Eugénies resa omkring jorden under befäl af C. A. Virgin åren 1851-1853. Vetenskapliga iakttagelser. 2. Zoologi. 1. Insecta*. Stockholm: K. Svenska Vetenskaps- Akademiens, 617 pp. + 9 pls. [pp. 1-112 published in 1858]
- Clairville J.P. de 1806: *Entomologie helvétique ou catalogue des insectes de la Suisse rangés d'après une nouvelle méthode [Helvetische Entomologie oder Verzeichniss der Schweizerischen Insekten nach einer neuen Methode geordnet]*. Zweiter Theil. Zürich: Orell & Füßli, xlili + 251 pp. + 32 pls.
- Clark H. 1863: Descriptions of new east-Asiatic species of Haliplidae and Hydroporidae. *The Transactions of the Entomological Society of London, Third Series* **1** [1862-1864]: 417-428.
- De Geer C. 1774: *Mémoires pour servir à l'histoire des insectes. Tome quatrième*. Stockholm: Pierre Hesselberg, xii + 456 pp. + 19 pls.
- Erichson W.F. 1843: Beitrag zur Insecten-Fauna von Angola, in besonderer Beziehung zur geographischen Verbreitung der Insecten in Afrika. *Archiv für Naturgeschichte* **9**: 199-267.
- Fabricius J.C. 1792-1794: *Entomologia systematica emendata et aucta. Secundum classes, ordines, genera, species adjectis synonymis, locis, observationibus, descriptionibus. 4 vols*. Hafniae: C.G. Proft. [vol. 1: part 1, xx + 330 pp. published in 1792]
- Guignot F. 1936: Mission scientifique de l'Omo 4(31). Coleoptera. 10. Haliplidae et Dytiscidae (1^{re} partie). *Mémoires du Muséum National d'Histoire Naturelle, Paris* **8** [1938]: 1-76.
- Guignot F. 1947: Vingt-quatrième note sur les hydrocanthares. Dytiscides et gyrinides nouveaux ou peu connus de l'Afrique Occidentale. *Bulletin de la Société Entomologique de France* **52**: 162-165.
- Guignot F. 1948a: Vingt-septième note sur les hydrocanthares. *Bulletin Mensuel de la Société Linnéenne de Lyon* **17**: 163-171.
- Guignot F. 1948b: Vingt-sixième note sur les hydrocanthares. Dytiscides et gyrinides nouveaux ou peu connus du Congo Belge. *Bulletin de Musée Royal d'Histoire Naturelle de Belgique* **24**(12): 1-14.
- Guignot F. 1954: Quarante-et-unième note sur les hydrocanthares. *Revue Française d'Entomologie* **21**: 195-202.
- Herbst J.F.W. 1784: Kritisches Verzeichniß meiner Insecten-Sammlung. Fortsetzung. Curculio-Dytiscus. Mit 6. Tafeln und den Bogen K-Q. *Archiv der Insectengeschichte, Füessly* **5**(1): 73-128 + pls 24-28a.
- Kato M., Kawakita A. & Kato T. 2010: Colonization to aquifers and adaptations to subterranean interstitial life by a water beetle clade (Noteridae) with description of a new Phreatodytes species. *Zoological Science* **27**: 717-722.
- Klug J.C.F. 1853: Übersicht der von Hrn. Dr. Peters während seines Aufenthalts in Mozambik veranstalteten entomologischen Sammlungen. *Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königl. Preuss. Akademie der Wissenschaften zu Berlin* **1853**: 244-250.
- Leach W.E. 1817: XIX. Synopsis of the stirpes and genera of the family Dyticea. Pp. 68-73. In: *The zoological miscellany; being descriptions of new or interesting animals. Vol. 3*. London: E. Nodder & Son, v + 151 pp. + pls 121-150.
- Lee D.-H., Lee J.-S. & Jung S.W. 2023: Taxonomic review of the genus *Noterus* Clairville, 1806 (Coleoptera: Noteridae) in Korea, with a description of new species. *Journal of Asia-Pacific Biodiversity* **16**: 501-505.
- Marsham T. 1802: *Entomologia Britannica. Tomus I. Coleoptera*. Londini: White, xxxi + 548 pp.
- Motschulsky V. de 1855: Nouveautés. *Études Entomologiques* **4**: 82-84.
- Motschulsky V. de 1860: Insectes des Indes orientales, et de contrées analogues. 2:de Série. *Études Entomologiques* **8** [1859]: 25-118 + pl. I.
- Motschulsky V. de 1860: Entomologie spéciale. Insectes des Indes orientales, et de contrées analogues. 2: de série. *Études Entomologiques* **8** [1859]: 25-118.
- Müller O.F. 1776: *Zoologiae Danicae prodromus, seu animalium Danicae et Norvegiae indigenarum characteres, nomina, et synonyma imprimis popularium*. Havniae: Hallagerii, xxxii + 274 + 8 pp.
- Peschet R. 1921: Description d'un Canthydrus (Coleoptera - Dytiscidae) nouveau, des Iles Philippines. *Philippine Journal of Science* **18**: 693-694.
- Porta A. 1923: *Fauna Coleopterorum Italica. Vol. 1. Adephaga*. Piacenza: Stabilimento Tipografico Piacentino, vi + 285 pp.
- Ragusa E. 1882: Coleotteri nuovi o poco conosciuti della Sicilia. *Il Naturalista Siciliano* **1** [1881-1882]: 248-251.

- Régimbart M. 1880: The new Dytiscidae and Gyrinidae collected during the recent scientific Sumatra-expedition. *Notes from the Leyden Museum* **2**: 209-216.
- Régimbart M. 1883: Dytiscides nouveaux de la collection du Musée Royal de Leyde. *Notes from the Leyden Museum* **5**: 225-234.
- Régimbart M. 1889: Contributions à la faune indo-chinoise. 2e mémoire. Hydrocanthares. *Annales de la Société Entomologique de France*, 6^e Série **9**: 147-156.
- Régimbart M. 1895a: Esplorazione del Giuba e dei suoi affluenti compiuta dal Cap V. Bottego durante gli anni 1892-93 sotto gli auspicii della Società Geografica Italiana. Risultati zoologici. XI. Dytiscidae e Gyrinidae. *Annali del Museo Civico di Storia Naturale Giacomo Doria Genova* (2) **15**: 185-194.
- Régimbart M. 1895b: Révision des Dytiscidae et Gyrinidae d’Afrique, Madagascar et îles voisines. *Mémoires de la Société Entomologique de Belgique* **4**: 1-244.
- Reiche L. & Saulcy F. 1855: Espèces nouvelles ou peu connues de coléoptères, recueillies par M. F. de Saulcy, membre de l’Institut, dans son voyage en Orient, et décrites par M.M. L. Reiche et Félicien de Saulcy. *Annales de la Société Entomologique de France, Troisième Série* **3**: 561-645 + pl. 22.
- Rocchi S. 1986: Dytiscidi di Birmania, Thailandia e Sri Lanka, con descrizione di due nuove specie (Coleoptera) (XVI nota sui coleotteri idrodefagi). *Bollettino della Società Entomologica Italiana* **118**: 31-34.
- Satô M. 1972: Some notes on dytiscoid-beetles from Vietnam (Coleoptera). *Annales Historico-Naturales Musei Nationalis Hungarici* **64**: 143-153.
- Seidlitz G.K.M. von 1887: Bestimmungstabelle der Dytiscidae und Gyrinidae des europäischen Faunengebietes. *Verhandlungen des Naturforschenden Vereines in Brünn* **25** [1886]: 3-136.
- Sharp D. 1873: The water beetles of Japan. *The Transactions of the Entomological Society of London* **1873**: 45-67.
- Sharp D. 1882: On aquatic carnivorous Coleoptera or Dytiscidae. *The Scientific Transactions of the Royal Dublin Society, Series II* **2**: 17-1003 + pls VII-XVIII.
- Sturm J. 1834: *Deutschlands Fauna in Abbildungen nach der Natur mit Beschreibungen. V. Abtheilung, Die Insecten. 8. Heft, Käfer*. Nürnberg: Privately printed, vi + 168 pp. + pls. clxxxv-ccii.
- Thomson C.G. 1860: *Skandinaviens Coleoptera, synoptiskt bearbetade. Vol. II*. Lund: Lundbergska Boktryckeriet, 304 pp.
- Toledo M. 2003: Synopsis of the Noteridae of China, based mainly on material collected during the China Water Beetle Survey (1993-2001). Pp. 67-88. In: Jäch M.A. & Ji L. (Eds.): *Water beetles of China, Vol. III*. Wien: Zoologisch-Botanische Gesellschaft in Österreich and Wiener Coleopterologenverein, vi + 572 pp.
- Uéno S.-I. 1957: Blind aquatic beetles of Japan, with some accounts of the fauna of Japanese subterranean waters. *Archiv für Hydrobiologie* **53**: 250-296.
- Uéno S.-I. 1996: New phreatobiontic beetles (Coleoptera, Phreatodytidae and Dytiscidae) from Japan. *Journal of the Speleological Society of Japan* **21**: 1-50.
- Walker F. 1858: Characters of some apparently undescribed Ceylon insects. *The Annals and Magazine of Natural History, including Zoology, Botany, and Geology, Third Series* **2**: 202-209.
- Wehncke E. 1876: Zehn neue Hydrocanthus-Arten. *Deutsche Entomologische Zeitschrift* **20**(2): 221-223.
- Wehncke E. 1883: Neue Dytisciden. *Deutsche Entomologische Zeitschrift* **27**: 146-149.
- Wewalka G. 1989: Systematic and faunistic notes on Noteridae and Dytiscidae of the Near East (Coleoptera). *Koleopterologische Rundschau* **59**: 143-152.
- Zaitzev F.A. [Ph.] 1953: Nasekomye zhestkokrylye. Plavuntsovyje i vertyachki. *Fauna SSSR* **4** (N. S. 58): 1-376. [in Russian]
- Zimmermann A. 1919: Die Schwimmkäfer des Deutschen Entomologischen Museums in Berlin-Dahlem. *Archiv für Naturgeschichte, Abteilung A* **83**(12) (1917): 68-249.