

World Catalogue of Haliplidae – corrections and additions, 3 (Coleoptera: Haliplidae)

B.J. VAN VONDEL

Abstract

A third update on the World Catalogue of Haliplidae (Coleoptera) (VONDEL 2005) is provided. All new taxa, new synonymies and new distribution data published since the last update (VONDEL 2013) as well as various previous omissions are listed. The family Haliplidae currently includes four genera and 233 species.

Key words: Coleoptera, Haliplidae, World Catalogue, additions, corrections.

Introduction

The World Catalogue of Haliplidae (VONDEL 2005) was published in June 2005, followed by two series of corrections and additions (VONDEL 2007, 2013). Since then, a lot of new information became available, and some omissions and errors were detected as well. This third update includes additional taxa described before January 1, 2022, new taxonomic acts and new distribution data.

New taxa and nomenclatorial acts

Page 22: Family HALIPLIDAE. Add Haliplinae AUBÉ, 1836: 14, as subfamily of Haliplidae, type genus *Haliplus*.

Page 22: Replace “Genus *Algophilus* ZIMMERMANN, 1924” by “subgenus *Algophilus* ZIMMERMANN, 1924. Status revised by VONDEL (2019): subgenus of *Haliplus* LATREILLE”. Move this subgenus and its species to page 24.

Page 22: Replace “Genus *Apteraliplus* CHANDLER, 1943” by “subgenus *Apteraliplus* CHANDLER, 1943. Status revised by VONDEL (2019): subgenus of *Haliplus* LATREILLE”. Move this subgenus, including its species to page 24.

Page 24: Add the new subgenus of *Haliplus*:

Australiplus VONDEL, 2019: 23. Type species *Haliplus sindus* WATTS, 1988.

Page 24: Add the new subgenus of *Haliplus*:

Borealiplus VONDEL, 2019: 23. Type species *Haliplus borealis* LECONTE, 1850.

Page 24: Add the subgenus of *Haliplus*:

Haliaplus ÁDÁM, 1993: 80 (replacement name for *Hoplites* KINEL, 1929). Type species *Haliplus laminatus* (SCHALLER, 1783) (VONDEL 2019).

Page 32: Move *Haliplus japonicus* to subgenus *Nipponiplus* VONDEL, 2019 on page 59 (VONDEL 2019).

Page 32: Move *Haliplus latreillei* to subgenus *Nipponiplus* VONDEL, 2019 on page 59. The transfer to this new subgenus was overlooked by VONDEL (2019).

Page 33: Move *Haliphus regimbarti* to subgenus *Nipponiplus* VONDEL, 2019 on page 59 (VONDEL 2019).

Page 34: *Haliphus ruficollis*. Add *Haliphus ruficollis ussuriensis* GRAMMA, 1980: 294 (nomen nudum).

Page 35: *Haliphus sibiricus*. Add *Haliphus punctatostriatum* MOTSCHULSKY, 1853 and *H. marginicollis* MOTSCHULSKY, 1853 (both are unavailable nomina nuda, deposited in the NHML).

Page 36: *Haliphus zacharenkoi*. BOUKAL et al. (2007) listed this species as jun. syn. of *H. sibiricus*, but this view is not supported by VONDEL et al. (2006) or PETROV & KIREJTSHUK (2007).

Page 38: Move *Haliphus apostolicus* to page 60 under subgenus *Paraliaphlus* (VONDEL 2021b).

Page 39: Move *Haliphus canadensis* to page 51 as jun. syn. of *H. nitens* (VONDEL 2021b).

Page 40: Move *Haliphus connexus* to page 60 under subgenus *Paraliaphlus* (VONDEL 2021b).

Page 42: Move *Haliphus davidi* to page 42 as jun. syn. of *H. diruptus* (VONDEL & LITOVKIN 2017).

Page 42: *Haliphus diruptus*. Add *Haliphus falsificus* BALFOUR-BROWNE (unavailable collection name, deposited in the NHML).

Page 43: Add the new species: *fiorentini* BENETTI & HAMADA, 2017 NT

Haliphus fiorentini BENETTI & HAMADA, 2017: 585. TL Brazil > Roraima State > Boa Vista County > pond near RR-205 road, 2°52'6.4"N 60°51'57.9"W; holotype in INPA.
DISTRIBUTION: (NT) Brazil.

Page 47: Move *Haliphus holmeni* to page 54 as jun. syn. of *H. sharpi* (VONDEL & LITOVKIN 2017).

Page 48: Move *Haliphus kulleri* to page 36 as jun. syn. of *H. abbreviatus* (VONDEL & LITOVKIN 2017).

Page 48: Move *Haliphus laminatus* to page 24 under subgenus *Haliaplus* ÁDÁM (VONDEL 2019). Add to *Haliphus cinereus* var. *ater* REDTENBACHER, 1842: obviously referred to as “*ab. niger*” (lapsus calami, unavailable name) by KUHNT (1913).

Page 50: Move *Haliphus manipurensis* to page 37 as jun. syn. of *H. angustifrons* (VONDEL & GHOSH 2018).

Page 52: Add the new species: *novateutonianus* VONDEL, 2016 NT

Haliphus novateutonianus VONDEL, 2016: 54. TL: Brazil > Santa Catarina > Nova Teutonia; holotype in ISNB.
DISTRIBUTION: (NT) Brazil.

Page 52: Move *Haliphus oblongus* to page 24 under subgenus *Borealiaplus* (VONDEL 2019).

Page 53: Add the new species: *regili* BENETTI & HAMADA, 2017 NT

Haliphus regili BENETTI & HAMADA, 2017: 587. TL Brazil > Roraima State > Alto Alegre County, pond near RR-205 road, 2°59'39.8"N 61°6'46.2"W; holotype in INPA.
DISTRIBUTION: (NT) Brazil.

Page 54: Move *Haliphus sindus* to page 24 under subgenus *Australiplus* VONDEL (VONDEL 2019).

Page 56: Move *Haliphus unguularis* to page 41 as jun. syn. of *H. cylindricus* (VONDEL 2021b).

Pages 57–58: Move *Haliplus fortescueensis*, *H. fuscatus*, *H. gibbus*, *H. hydei*, *H. pinderi* to the genus *Phalilus* on page 64 (VONDEL 2019).

Page 59: Add the new subgenus of *Haliplus*:

Nipponiplus VONDEL, 2019: 22. Type species *Haliplus japonicus* SHARP, 1873.

Page 60: Add the new species: *alberti* MEGNA, HENDRICH & BALKE, 2018

Haliplus alberti MEGNA, HENDRICH & BALKE, 2018: 3. TL Cuba > Pinar del Río [according to the original description, the type locality lies in the province of Pinar del Río, but, if the coordinates provided in the original description are correct, the type locality lies in fact in the province of Artemisa] > San Juan de Sagua > Pan de Guajabón [mountain] > 22°47'51.9"N 83°21'36.1"W, ca. 103 m a.s.l.; holotype in ZSM.

DISTRIBUTION: (NT) Cuba.

Page 60: Move *Haliplus annulatus* to page 38 under subgenus *Liaphlus* (VONDEL 2021b).

Page 60: Move *Haliplus borealis* to page 24 under subgenus *Borealiplus* (VONDEL 2021b).

Page 60: Move *Haliplus eremicus* to page 61 as jun. syn. of *H. mimeticus* (VONDEL 2014).

Page 60: Add the new species: *grandis* VONDEL & SPANGLER, 2008

Haliplus grandis VONDEL & SPANGLER, 2008: 91. TL Mexico > Puebla; holotype in USNM.

DISTRIBUTION: (NA, NT) Mexico (Aguascalientes, Ciudad de México, Durango, Jalisco, Michoacán, Puebla, Zacatecas), USA (New Mexico). [This species was overlooked by VONDEL (2013)].

Page 61: Add the new species: *kenneri* VONDEL, 2014

Haliplus kenneri VONDEL, 2014: 143. TL Mexico > Baja Norte > 2.1 miles S Rosario; holotype in CAS.

DISTRIBUTION: (NT) Mexico (Baja Norte).

Page 61: Move *Haliplus lewisii* to page 49 under subgenus *Liaphlus* (VONDEL 2021b).

Page 61: Add the new species: *lucigelinae* VONDEL & ALARIE, 2016

Haliplus lucigelinae VONDEL & ALARIE, 2016: 801. TL Canada > Québec > Kazabazua > River at Hwy 301 > 12 km S. jct. Rd. 105, 45°55.343'N 76°10.381'W; holotype in CAL.

DISTRIBUTION: (NA) Canada (Ontario, Quebec).

Page 62: Move *Haliplus ohioensis* to page 38 as jun. syn. of *H. annulatus* under subgenus *Liaphlus* (VONDEL 2021b).

Page 62: Move *Haliplus oklahomensis* to page 52 under subgenus *Liaphlus* (VONDEL 2021b).

Page 63: Move *Haliplus rugosus* to page 61 as jun. syn. of *H. mimeticus* (VONDEL 2014).

Page 64: Move *Haliplus variomaculatus* to page 60 as jun. syn. of *H. deceptus* (VONDEL in prep.).

Page 64: Replace “Subgenus *Phalilus* GUIGNOT, 1935” by “Genus *Phalilus* GUIGNOT, 1935. Status revised by VONDEL (2019).

Page 69: Move *Peltodytes dispersus* to page 73 as jun. syn. of *P. simplex* (VONDEL 2021b).

Page 69: *Peltodytes duodecimpunctatus*. Add *Haliplus maculatus* var. *cribrarius* DEJEAN, 1833: 56 (nomen nudum).

Page 70: Move *Peltodytes lengi* to page 69 as jun. syn. of *P. duodecimpunctatus* (VONDEL 2021b).

Page 71: Move *Peltodytes mexicanus* to page 73 as jun. syn. of *P. simplex* (VONDEL 2021b).

Page 72: Add the new species: *roughleyi* VONDEL, 2021b

Peltodytes roughleyi VONDEL, 2021: 250. TL USA > Arizona > Coconino County > Hwy 260 > 2 miles MW Hwy 87 at 29 Mile Lake, the coordinates in the original description were given as “34°28’307 N 111°27’019 W”, but they need to be corrected to: 4°28.307’N 111°27.019’W]; holotype in CAS.

DISTRIBUTION: (NA) USA (Arizona, New Mexico).

Page 73: Replace “Nomina nuda of unknown identity” by “Nomina of unknown identity”.

Page 73: Nomina of unknown identity: Remove “*Haliplus maculatus* var. *cribarius* DEJEAN 1833: 56 (nomen nudum, North America)”. [DEJEAN (1836) mentioned it as “var.” of *Haliplus maculatus*. It is now placed under *Peltodytes duodecimpunctatus* on page 69]. Add *Haliplus quadripustulatus* EICHWALD, 1830: 308 (incorrect original spelling: “4-pustulato”), = ?*Dytiscus quadripustulatus* MÜLLER, 1776, jun. syn. of *Graptodytes pictus* (FABRICIUS)?].

Distributional notes

Page 22: *Brychius elevatus*. Add to DISTRIBUTION: Iran (BODEMEYER 1927: 23), Lithuania (SILFVERBERG 2004).

Page 24: *Haliplus laminatus*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004), Montenegro (SCHEERS 2016), Slovenia (DROVENIK 1999). [This species was transferred from page 58].

Page 24: *Haliplus confinis*. Add to DISTRIBUTION: China (Xinjiang) (JIA & VONDEL 2011), Estonia, Iran (VONDEL et al. 2017), Lithuania (SILFVERBERG 2004).

Page 25: *Haliplus obliquus*. Add to DISTRIBUTION: Estonia, Lithuania (SILFVERBERG 2004).

Page 25: *Haliplus rejseki*. Add to DISTRIBUTION: China (Qinghai) (LIANG et al. 2018).

Page 26: *Haliplus varius*. Add to DISTRIBUTION: Estonia, Lithuania (SILFVERBERG 2004).

Page 26: *Haliplus apicalis*. Add to DISTRIBUTION: Estonia, France (LOHEZ 2014), Lithuania (SILFVERBERG 2004), USA (Montana) (VONDEL 2021).

Page 27: *Haliplus blanchardi*. Add to DISTRIBUTION: Canada (Manitoba), USA (New Hampshire (VONDEL 2021b), Ohio (E. Chapman, pers. comm. 2016)).

Page 27: *Haliplus distinctus*. Add to DISTRIBUTION: USA (Nevada) (VONDEL 2021b).

Page 28: *Haliplus falli*. Add to DISTRIBUTION: Canada (Ontario) (VONDEL 2021b).

Page 28: *Haliplus fluviatilis*. Add to DISTRIBUTION: Estonia, Iran? (VONDEL et al. 2017), Lithuania (SILFVERBERG 2004), Slovenia (DROVENIK 1999).

Page 28: *Haliplus fulvicollis*. Add to DISTRIBUTION: Estonia, Latvia (SILFVERBERG 2004), Slovenia (DROVENIK 1999).

Page 29: *Haliplus furcatus*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004).

Page 30: *Haliplus harminae*. Add to DISTRIBUTION: China (Sichuan) (HUA 2002).

Page 30: *Haliplus heydeni*. Add to DISTRIBUTION: Estonia, Lithuania (SILFVERBERG 2004), Montenegro (SCHEERS 2016).

Page 30: *Haliplus immaculatus*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004), Slovenia (DROVENIK 1999).

Page 31: *Haliplus immaculicollis*. Add to DISTRIBUTION: Mexico (Tamaulipas) (VONDEL 2021b), USA (Florida, Nevada).

Page 32: *Haliplus lineolatus*. Add to DISTRIBUTION: Estonia (SILFVERBERG 2004).

Page 33: *Haliplus longulus*. Add to DISTRIBUTION: USA (Alaska, Wyoming) (VONDEL 2021b).

Page 33: *Haliplus regimbarti*. Add to DISTRIBUTION: Japan (Ryukyu Islands: Yonaguni Island) (IWATA 2016). This species was transferred to page 59 under subgenus *Nipponiplus*.

Page 34: *Haliplus ruficollis*. New record: Kyrgyzstan (RNHL). Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004), Mongolia (PROKIN et al. 2020).

Page 35: *Haliplus sibiricus*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004).

Page 36: *Haliplus simplex*. Add to DISTRIBUTION: China (Fujian, Hainan, Hongkong, Shaanxi, Taiwan, Xinjiang) (HUA 2002), China (Shanxi) (LIANG et al. 2018), Japan (Tsushima) (NAKAJIMA 2021).

Page 36: *Haliplus stagninus*. Add to DISTRIBUTION: USA (Montana) (VONDEL 2021b).

Page 36: *Haliplus steppensis*. Add to DISTRIBUTION: China (Xizang) (LIANG et al. 2018).

Page 36: *Haliplus abbreviatus*, 1880. Add to DISTRIBUTION: China (Shanxi) (LIANG et al. 2018), Kazakhstan, Lebanon, Turkey (VONDEL & LITOVKIN 2017).

Page 38: *Haliplus apostolicus*. Add to DISTRIBUTION: Canada (Ontario) (VONDEL 2021b). [This species was transferred to subgenus *Paraliaphlus* on page 60 (VONDEL 2021b)].

Page 38: *Haliplus arrowi*. New record: Bangladesh (NHMB).

Page 38: *Haliplus astrakhanus*. New record: Uzbekistan (CHB).

Page 38: *Haliplus australis*. Remove from DISTRIBUTION: Australia (Queensland) (VONDEL 2021a).

Page 38: *Haliplus bachmanni*. HUA (2002) erroneously reported this species from Taiwan (“Formosa”), but this species was actually recorded from the Argentinian province of Formosa (see also JÄCH 2004).

Page 38: *Haliplus basinotatus*. Add to DISTRIBUTION: Japan (Hokkaido, Tsushima) (NAKAJIMA 2021).

Page 39: *Haliplus chinensis*. Add to DISTRIBUTION: China (Hebei, Shaanxi) (HUA 2002), China (Hubei, Jiangxi) (HUA 2002, as *H. ovalis*). Add: “The assumption by VONDEL (1991) that the records of *H. ovalis* by KAMIYA (1936) and other authors actually refer to *H. chinensis* was confirmed by LEE et al. (2015)”.

Page 40: *Haliplus concolor*. Add to DISTRIBUTION: USA (Arizona, Pennsylvania?) (VONDEL 2021b).

Page 40: *Haliplus confluentus*. Remove from DISTRIBUTION: USA (Ohio) (E. Chapman, pers. comm. 2016). Add USA (Missouri), Mexico (Veracruz) (VONDEL 2021b).

Page 40: *Haliplus connexus*. Add to DISTRIBUTION: Canada (Prince Edward Island) (ALARIE 2016), USA (Ohio) (E. Chapman, pers. comm. 2016), (Iowa) (VONDEL 2021b). [This species was transferred to subgenus *Paraliaphlus* on page 60 (VONDEL 2021b)].

Page 41: *Haliplus crassus*. Add to DISTRIBUTION: Peru (HENDRICH & BALKE 2020).

Page 41: *Haliplus cribrarius*. Add to DISTRIBUTION: St. Pierre and Miquelon, USA (Alaska, Massachusetts, New Jersey) (VONDEL 2021b).

Page 41: *Haliplus cubensis*. Add to DISTRIBUTION: Mexico (Isla de Cozumel), United States Virgin Islands (VONDEL 2016).

Page 41: *Haliplus cylindricus*. Add to DISTRIBUTION: Canada (British Columbia) (VONDEL 2021b).

Page 41: *Haliplus dalmatinus*. Add to DISTRIBUTION: Montenegro (SCHEERS 2016).

Page 42: *Haliplus diruptus*. Add to DISTRIBUTION: China (Hebei, Shanxi, Sichuan) (HUA 2002).

Page 43: *Haliplus eximius*. Add to DISTRIBUTION: China (Hebei, Heilongjiang) (HUA 2002), China (Jiangxi) (LIANG et al. 2018), Japan (Kyushu, Ryukyu Islands: Yonaguni Island, Shikoku) (NAKAJIMA 2021).

Page 43: *Haliplus flavicollis*. HUA (2002) reports this species from China: Beijing and Jiangsu, but likely this is a case of misidentification. It is not confirmed by JIA & VONDEL (2011). Add to DISTRIBUTION: Estonia, Lithuania (SILFVERBERG 2004).

Page 44: *Haliplus fulvus*. Add to DISTRIBUTION: Canada (Yukon), Estonia, Lithuania (SILFVERBERG 2004), USA (Arizona, Nevada, New Mexico, Vermont, Wyoming) (VONDEL 2021b); replace “Morocco” by “Morocco?” (VONDEL 2010).

Page 46: *Haliplus gracilis*. This species was reported from India by HAZARIKA (2013), which is certainly based on a misidentification. Add to DISTRIBUTION: USA (Nevada) (VONDEL 2021b).

Page 46: *Haliplus gravidus*. Add to DISTRIBUTION: Guadeloupe (VONDEL 2016).

Page 47: *Haliplus havaniensis*. Add to DISTRIBUTION: Mexico (Chiapas) (VONDEL 2021b).

Page 47: *Haliplus heppneri*. New record: Suriname (SEMC).

Page 47: *Haliplus indistinctus*. New record: Colombia (CNCI).

Page 49: *Haliplus leechi*. Add to DISTRIBUTION: USA (New Mexico, Nevada, Texas, Wyoming), Mexico (Tamaulipas) (VONDEL 2021b).

Page 49: *Haliplus maculatus*. Add to DISTRIBUTION: Bosnia and Herzegovina, Iran (DARILMAZ et al. 2013), Slovakia (BOUKAL 2017).

Page 50: *Haliplus maculipennis*. Add to DISTRIBUTION: Botswana, Kenya (VONDEL & MATSUMOTO 2021).

Page 50: *Haliplus mimulus*. Add to DISTRIBUTION: South Africa (VONDEL & MATSUMOTO 2021).

Page 50: *Haliplus mucronatus*. Add to DISTRIBUTION: Iran (GHAHARI & JEDRYCZKOWSKI 2011).

Page 51: *Haliplus nitens*. Add to DISTRIBUTION: Canada (Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Nova Scotia, Prince Edward Island, Quebec, Saskatchewan, Yukon), USA (Colorado, Maine, Massachusetts, Montana, New York, North Dakota, South Dakota, Vermont) (VONDEL 2021b).

Page 52: *Haliplus ovalis*. Recorded by HUA (2002) from China, but all Chinese records likely refer to *H. chinensis* (LEE et al. 2015). Add to DISTRIBUTION: Japan (Hokkaido) (NAKAJIMA 2021).

Page 54: *Haliplus sharpi*. Add to DISTRIBUTION: China (Chongqing, Jiangxi) (LIANG et al. 2018), Japan (northern Ryukyu Islands: Tanegashima) (NAKAJIMA 2021). Remove from DISTRIBUTION: China (Sichuan) (LIANG et al. 2018).

Page 55: *Haliplus tumidus*. Add to DISTRIBUTION: Mexico (Veracruz, Yucatan) (VONDEL 2021b), USA (Oklahoma).

Page 56: *Haliplus unicarinatus*. Add to DISTRIBUTION: Guatemala (VONDEL 2016).

Page 56: *Haliplus vancouverensis*. Remove from DISTRIBUTION: USA (Oregon, Washington) (VONDEL 2021b).

Page 56: *Haliplus variegatus*. Add to DISTRIBUTION: Estonia, Iran (VONDEL et al. 2017), Lithuania (SILFVERBERG 2004).

Page 58: *Haliplus lineatocollis*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004).

Page 59: *Haliplus japonicus*. Add to DISTRIBUTION: China (Gansu, Hunan) (HUA 2002), China (Chongqing) (LIANG et al. 2018). [This species was transferred from page 32 to page 59: under subgenus *Nipponiplus*].

Page 59: *Haliplus regimbarti*. Add to DISTRIBUTION: Japan (Ryukyu Islands: Yonaguni Island) (IWATA 2016). [This species was transferred from page 33 to page 59: under subgenus *Nipponiplus*].

Page 60: *Haliplus annulatus*: Add to DISTRIBUTION: Mexico (Chiapas, Veracruz) (VONDEL 2021b), USA (Illinois, Indiana, Missouri, Ohio, Tennessee, Wisconsin). [This species was transferred to subgenus *Liaphlus* on page 38 (VONDEL 2021b)].

Page 60: *Haliplus borealis*. Add to DISTRIBUTION: USA (Nebraska) (VONDEL 2021b). [This species was transferred to page 24 under subgenus *Borealiplus*].

Page 60: *Haliplus deceptus*. Add to DISTRIBUTION: USA (Missouri, Ohio), Mexico (Coahuila, Nuevo León) (VONDEL 2021b).

Page 60: *Haliplus fasciatus*. Add to DISTRIBUTION: Canada (New Brunswick), USA (California, Iowa, Ohio, Oklahoma) (VONDEL 2021b).

Page 61: *Haliplus leopardus*. Add to DISTRIBUTION: USA (Illinois, Michigan) (VONDEL 2021b).

Page 61: *Haliplus lewisii*. Add to DISTRIBUTION: USA (Indiana, Oklahoma, Wisconsin), Mexico (Tamaulipas) (VONDEL 2021b). [This species was transferred to subgenus *Liaphlus* on page 49 (VONDEL 2021b)].

Page 61: *Haliplus mimeticus*. Add to DISTRIBUTION: USA (Arizona, Nevada, New Mexico, Utah) (VONDEL 2021b).

Page 62: *Haliplus oklahomensis*. Add to DISTRIBUTION: Mexico (San Luis Potosí, Tamaulipas) (VONDEL 2021b). [This species was transferred to subgenus *Liaphlus* on page 52 (VONDEL 2021b)].

Page 62: *Haliplus pantherinus*. Add to DISTRIBUTION: USA (Alabama, Alaska?, Florida, Montana, New Jersey, Pennsylvania) (VONDEL 2021b).

Page 63: *Haliplus punctatus*. Add to DISTRIBUTION: USA (Tennessee, Vermont) (VONDEL 2021b).

Page 63: *Haliplus tortilipenis*. Add to DISTRIBUTION: USA (Oklahoma) (VONDEL 2021b).

Page 63: *Haliphus triopsis*. Add to DISTRIBUTION: Canada (New Brunswick, Nova Scotia), USA (Arizona) (VONDEL 2021b).

Page 64: *Phalilus oberthuri*. Add to DISTRIBUTION: Australia (Northern Territory) (VONDEL 2021a).

Page 64: *Phalilus storeyi*. Add to DISTRIBUTION: Australia (Queensland) (VONDEL 2021a).

Page 64: *Peltodytes caesus*. Add to DISTRIBUTION: Lithuania (SILFVERBERG 2004), Slovenia (DROVENIK 1999).

Page 65: *Peltodytes congoensis*. Add to DISTRIBUTION: Central African Republic (VONDEL & MATSUMOTO 2021).

Page 66: *Peltodytes intermedius*. Add to DISTRIBUTION: China (Hubei, Jiangsu, Jiangxi) (HUA 2002), China (Fujian) (LIANG et al. 2018), Japan (Izu Islands) (NAKAJIMA 2021).

Page 66: *Peltodytes pekinensis*. Add to DISTRIBUTION: China (Shanghai) (LIANG et al. 2018).

Page 66: *Peltodytes rotundatus*. Add to DISTRIBUTION: Iran (GHAHARI & JEDRYCZKOWSKI 2011).

Page 67: *Peltodytes sinensis*: New record: Laos (NHMB). Add to DISTRIBUTION: China (Taiwan) (HUA 2002), (Tianjin) (LIANG et al. 2018), Japan (Tsushima) (NAKAJIMA 2021).

Page 67: *Peltodytes speratus*. Add to DISTRIBUTION: Zambia (VONDEL & MATSUMOTO 2021).

Page 68: *Peltodytes callosus*. Add to DISTRIBUTION: Canada (Saskatchewan), USA (Wyoming), Mexico (Chihuahua) (VONDEL 2021b).

Page 69: *Peltodytes dunavani*. Add to DISTRIBUTION: USA (Ohio) (E. Chapman, pers. comm. 2016), (Oklahoma) (VONDEL 2021b).

Page 69: *Peltodytes duodecimpunctatus*. Add to DISTRIBUTION: USA (Arizona, California, Delaware, Georgia, Kansas, Montana, Vermont, Washington?) (VONDEL 2021b).

Page 69: *Peltodytes edentulus*. Add to DISTRIBUTION: USA (Louisiana, Maine, Mississippi, Nevada, Texas, Utah, Vermont, Wyoming) (VONDEL 2021b).

Page 70: *Peltodytes festivus*. Add to DISTRIBUTION: USA (Arkansas, Missouri) (VONDEL 2021b).

Page 70: *Peltodytes floridensis*. Add to DISTRIBUTION: USA (Indiana) (VONDEL 2021b).

Page 71: *Peltodytes litoralis*. New records: replace “Montana” by “Missouri”. Remove from DISTRIBUTION: USA (Montana). Add to DISTRIBUTION: USA (Arizona, Iowa, Mississippi, South Carolina?) (VONDEL 2021b).

Page 71: *Peltodytes muticus*. Add to DISTRIBUTION: Canada (Manitoba), USA (Arizona, Kentucky, Mississippi, Nevada, Utah, Vermont, West Virginia), Mexico (Michoacán?) (VONDEL 2021b).

Page 71: *Peltodytes oppositus*. Add to DISTRIBUTION: USA (Massachusetts, Minnesota, New York) (VONDEL 2021b).

Page 72: *Peltodytes ovalis*. Add to DISTRIBUTION: Mexico (Guanajuato, Colima, Guerrero, Oaxaca, Puebla, Querétaro, Veracruz, Zacatecas) (VONDEL 2021b).

Page 72: *Peltodytes pedunculatus*. Add to DISTRIBUTION: USA (Florida?) (VONDEL 2021b).

Page 72: *Peltodytes sexmaculatus*. Add to DISTRIBUTION: USA (Arizona, Iowa, Montana, Oklahoma, Tennessee, West Virginia) (VONDEL 2021b).

Page 72: *Peltodytes shermani*. Add to DISTRIBUTION: USA (Florida, Mississippi, New Hampshire, Pennsylvania, Texas) (VONDEL 2021b).

Page 73: *Peltodytes simplex*. Add to DISTRIBUTION: Mexico (Baja California Sur, Ciudad de México, Durango, Guanajuato, Hidalgo, Jalisco, Michoacán, Oaxaca, Puebla, Sinaloa, Sonora, Veracruz) (VONDEL 2021b), USA (Arkansas, Colorado, District of Columbia?, Louisiana, Minnesota, Missouri, New Mexico, Pennsylvania?, Tennessee, Texas, Utah).

Page 73: *Peltodytes tortulosus*. Add to DISTRIBUTION: USA (Connecticut, Iowa, Massachusetts, Ohio) (VONDEL 2021b).

Corrections and additions

Page 10: Add CAL (Collection Y. Alarie, Dept. of Biology, Laurentian University, Sudbury, Ontario, Canada).

Page 11: Add INPA (Invertebrate Collection of the National Institute for Research in the Amazon, Manaus, Brazil).

Page 23: *Brychius elevatus*. Replace “*Dytiscus elevatus* PANZER, 1793: t. 9” by “*Dytiscus elevatus* PANZER, 1793: Heft XIV nr 9”. Replace “*Brychius cristatus* J. SAHLBERG, 1875: 137” by “*Brychius cristatus* J. SAHLBERG, 1874: XIII. [Described again in 1875].

Page 24: *Haliplus laminatus*. *H. ater* REDTENBACHER, 1842: “*Haliplus laminatus* ab. *niger* REDT.”, mentioned by KUHNT (1913) is an infrasubspecific name and therefore not available (ICZN 45.6.2.); it probably refers to *H. cinereus* var. *ater* REDTENBACHER, 1842. [This species was transferred from page 58].

Page 25: *Haliplus obliquus*. After *Haliplus obliquus* var. *hartzciniae*. Add: “Two incorrect subsequent spellings were published: *H. hartziniae* (DAHL 1823, and DEJEAN 1833, 1836), *H. hertziniae* (ZAITZEV 1915)”.

Page 29: *Haliplus furcatus*. Replace “*Haliplus tesselatus*” by “*Haliplus tessellatus*”.

Page 30: *Haliplus immaculatus*. Add: “*Haliplus immaculatus* var. *lineolatus* WEHNCKE (collection name mentioned by SEIDLITZ 1887: 34)”.

Page 34: *Haliplus ruficollis*. Replace “*Haliplus tesselatus*” by “*Haliplus tessellatus*”.

Page 44: *Haliplus flavicollis*. Replace “(orig. descr., Kazakhstan)” by “(orig. descr. (incorrect original spelling: *pallida*), Kazakhstan)”.

Page 44: *Haliplus fulvus*. Add *Haliplus fulvus* var. *testaceus* DEJEAN, 1833: 56 (nomen nudum); *Haliplus guttatus* DEJEAN, 1833: 56 (nomen nudum).

Page 58: *Haliplus lineatocollis*. After *H. transversalis* GAUTIER DES COTTES: replace “GEMMINGER & HAROLD 1868: 426” by “SCHAUM 1862: 433”.

Page 61: *Haliplus keneri*. Replace CAS by CSCA (Vondel in prep.).

Page 64: *Phalilus gibbus*. Remove “Bakewell” [= name of collector]. Replace “selected by VONDEL 1995a: 72” by “des. by WATTS 1988: 26” [transferred from page 58].

Page 65: *Peltodytes caesus*. After *Haliplus exculptus*: Replace “VILLA & VILLA 1833: 7” by “DEJEAN 1821: 20”.

Page 68: Move subgenus *Neopeltodytes* to page 64 before subgenus *Peltodytes* RÉGIMBART.

Page 85: References: VONDEL (1995b): The title of this publication must read: “About the Oriental *Haliplus agarwali*”.

Acknowledgements

I am grateful to Dr. Hans Fery and Dr. Eric Chapman for their valuable contributions to the present update. The Uyttenbogaart-Eliassen Foundation is acknowledged for financial support of the first author's research in general.

References

- ALARIE, Y. 2016: Further contributions to the Hydradephaga (Coleoptera, Haliplidae, Gyrinidae and Dytiscidae) fauna of Prince Edward Island, Canada: new records, distributions and faunal composition. – *ZooKeys* 600: 103–129.
- BENETTI, C.J. & HAMADA, N. 2017: Two new species of *Halipilus* Latreille, 1802 (Coleoptera, Haliplidae) from Northern Brazil. – *Zootaxa* 4282 (3): 584–592.
- BODEMEYER, B. von 1927: Ueber meine Entomologischen Reisen nach Kleinasien (1911), Ost-Sibirien, Schilka und Amur (1912), Tunis, Oasis Gafsa, Khroumerie (1913) und Iran, Elbursgebirge (1914). Vol. IV. – Stuttgart: Alfred Kernen Verlag, 96 pp.
- BOUKAL, D.S., BOUKAL, M., FIKÁČEK, M., HÁJEK, J., KLEČKA, J., SKALICKÝ, S., ŠŤASTNÝ, J. & TRÁVNÍČEK, D. 2007: Catalogue of water beetles of the Czech Republic (Coleoptera: Sphaeriusidae, Gyrinidae, Haliplidae, Noteridae, Hygrobiidae, Dytiscidae, Helophoridae, Georissidae, Hydrochidae, Spercheidae, Hydrophilidae, Hydraenidae, Scirtidae, Elmidae, Dryopidae, Limnichidae, Heteroceridae, Psephenidae). – *Klapalekiana* 43 (Suppl.): 1–289.
- BOUKAL, M. 2017: Beetles of the family Haliplidae of Central Europe. Beetles of family Byrrhidae of Central Europa. – Prague: Academia, 387+175 pp.
- DAHL, G. 1823: Coleoptera und Lepidoptera. Ein systematisches Verzeichniss, mit beygesetzten Preisen der Vorräthe. – Wien: J.E. Akkermann, VI+105 pp.
- DARILMAZ, M.C., INCEKARA, Ü. & VAF AEI, R. 2013: Contributions to the knowledge of Iranian aquatic Adep haga (Coleoptera). – *Spixiana* 36 (1): 149–152.
- DEJEAN, [P.F.M.A.] 1821: Catalogue de la collection de coléoptères de M. le Baron Dejean. – Paris: Crevot, VIII+136 pp.+2 [Errata].
- DEJEAN, [P.F.M.A.] 1833: Catalogue de la collection de coléoptères de M. le Baron Dejean. Livraison 1. – Paris: Méquignon-Marvis, 96 pp.
- DEJEAN, [P.F.M.A.] 1836: Catalogue de la collection de coléoptères de M. le Baron Dejean. Troisième édition, revue, corrigée et augmentée. Livraisons 1–4. – Paris: Méquignon-Marvis, 384 pp.
- DROVENIK, B. 1999: Novosti v favni vodnih hroščev v Sloveniji (Coleoptera: Haliplidae, Dytiscidae in Gyrinidae). – *Acta entomologica slovenica* 7 (1): 31–41.
- EICHWALD, D.E. 1830: Zoologia specialis quam expositis animalibus tum vivis, tum fossilibus potissimum Rossiae in universum, et Poloniae in specie, in usum lectionum publicarum in Universitate Caesarea Vilnensi habendarum. Pars altera specialem Podozoorum expositionem continens. Cum icone tituli et duabus aliis lithographicis. – Vilnae [Vilnius]: Joseph Zawadzki, 323 pp., 5 pls.
- GHAHARI, H. & JEDRYCZKOWSKI, W.B. 2011: A faunistic survey on some families of Coleoptera (Insecta) from Iran. – *Calodema* 175: 1–4.
- HAZARIKA, L.P. 2013: Diversity indices of macro invertebrates in the Satajan Wetland of Lakhimpur District, Assam. – *Annals of Biological Research* 4 (8): 68–72.
- HENDRICH, L. & BALKE, M. 2020: First record of *Halipilus crassus* Chapin, 1930 in Peru (Coleoptera, Haliplidae). – *Spixiana* 43 (1): 42.
- HUA, L.-Z. 2002: List of Chinese Insects. Vol. II. – Guangzhou: Zhongshan University Press, 612 pp.

- ICZN 1999: International Code of Zoological Nomenclature. Fourth edition. – London: International Trust for Zoological Nomenclature, 306 pp.
- IWATA, T. 2016: A new record of *Haliplus regimbarti* (Coleoptera: Haliplidae) from Japan. – Japanese Journal of Systematic Entomology 22 (1): 99–100.
- JÄCH, M.A., 2004: Book Review. List of Chinese Insects, Vol. II. – Porcupine! 30: 18. <https://www.biosch.hku.hk/ecology/porcupine/por30/30-bookreview.htm>
- JIA, F. & VONDEL, B.J. van 2011: Annotated catalogue of the Haliplidae of China with the description of a new species and new records from China (Coleoptera, Adephaga). – ZooKeys 33: 1–17.
- KAMIYA, K. 1936: Family Gyrinidae, family Haliplidae. – Fauna Nipponica 10: 1–55.
- KUHNT, P. 1913: Illustrierte Bestimmungs-Tabellen der Käfer Deutschlands. – Stuttgart: Schweizerbart, 1138 pp.
- LEE, D.-H., VONDEL, B.J. van, LEE, S.H. & AHN, K.-J. 2015: Taxonomic review of the Haliplidae (Coleoptera) in the Korean peninsula. – Entomological Research 45 (3): 123–134.
- LIANG, Z., JIA, F. & VONDEL, B.J. van 2018: Actualized checklist of Chinese Haliplidae, with new provincial records (Coleoptera: Haliplidae). – Koleopterologische Rundschau 88: 9–15.
- LOHEZ, D. 2014: *Haliplus apicalis* Thomson, 1868, espèce nouvelle pour la faune de France (Coleoptera Haliplidae). – L'Entomologiste 70 (4): 211–212.
- MEGNA, Y.S., HENDRICH, L. & BALKE, M. 2018: A new species of *Haliplus* Latreille, 1802 from Cuba (Coleoptera: Haliplidae). – Aquatic Insects 39 (1): 1–9.
- NAKAJIMA, J. 2021: List of aquatic Coleoptera and Hemiptera of Japan. – Internet: kuromushiya.com/mlist/mlist.html. Updated November 21, 2022.
- PETROV, P.N. & KIREJTSHUK, A.G. 2007: Taxonomy of the crawling water beetle *Haliplus zacharenkoi*, with notes on its ecology, phenology, and distribution (Coleoptera: Haliplidae). – Zoosystematica Rossica 16 (2): 247–249.
- PROKIN, A.A., CHULUUNBAATAR, G., ANGUS, R.B., JÄCH, M.A., PETROV, P.N., RYNDEVICH, S.K., BYAMBANYAM, E., SAZHNEV, A.S., HÁJEK, J. & SHAVERDO, H. 2020: New records of water beetles (Coleoptera: Gyrinidae, Haliplidae, Noteridae, Dytiscidae, Helophoridae, Hydrophilidae, Hydraenidae) and shore beetles (Coleoptera: Heteroceridae) of Mongolia. – Aquatic Insects 41 (1): 1–44.
- SAHLBERG, J. 1874: Abstract from a letter by J. Sahlberg about a journey to Kuusamo. – Horae Societatis Entomologicae Rossicae 10 (2–4): XII–XIV.
- SCHAUM, H. 1862: Synonymische Bemerkungen. II. – Berliner Entomologische Zeitschrift 8: 431–434.
- SCHEERS, K. 2016: An updated checklist of the water beetles of Montenegro. – Spixiana 29 (2): 205–212.
- SILFVERBERG, H. 2004: Enumeratio nova Coleopterorum Fennoscandiae, Daniae et Baltiae. – Sahlbergia 9: 1–111.
- VONDEL, B.J. van 1991: Revision of the Palaearctic species of *Haliplus* subgenus *Liaphlus* Guignot (Coleoptera: Haliplidae). – Tijdschrift voor Entomologie 134 (1): 75–144.
- VONDEL, B.J. van 2005: Haliplidae. – In Nilsson, A.N. & Vondel, B.J. van (eds.): Amphizoidae, Aspidytidae, Haliplidae, Noteridae and Paelobiidae (Coleoptera, Adephaga). – In: World catalogue of insects 7: 1–171.
- VONDEL, B.J. van 2007: World Catalogue of Haliplidae – corrections and additions, 1 (Coleoptera: Haliplidae). – Koleopterologische Rundschau 77: 89–96.
- VONDEL, B.J. van 2010: Revision of the Haliplidae of the Afrotropical Region, including North Africa. – Tijdschrift voor Entomologie 153: 239–314.

- VONDEL, B.J. van 2013: World Catalogue of Haliplidae – corrections and additions, 2 (Coleoptera: Haliplidae). – Koleopterologische Rundschau 83: 23–34.
- VONDEL, B.J. van 2014: Reconsideration of the Nearctic species *Haliplus mimeticus* Matheson and its relatives with description of a new species (Coleoptera: Haliplidae). – Tijdschrift voor Entomologie 157: 137–144.
- VONDEL, B.J. van 2016: Corrections and additions to the “Revision of the Haliplidae of the Neotropical Region including Mexico” (Vondel & Spangler 2008) with description of a new species (Coleoptera: Haliplidae). – Koleopterologische Rundschau 86: 51–59.
- VONDEL, B.J. van 2019: Features of the metacoxal air-storage space as additional characters for reconstructing the phylogeny of Haliplidae (Coleoptera). – Tijdschrift voor Entomologie 162: 13–32.
- VONDEL, B.J. van 2021a: Annotated checklist and distribution of the Australasian Haliplidae (Coleoptera). – Koleopterologische Rundschau 91: 1–19.
- VONDEL, B.J. van 2021b: Revision of the Nearctic Haliplidae (Coleoptera). – Tijdschrift voor Entomologie 163 (2–3): 101–298.
- VONDEL, B.J. van & ALARIE, Y. 2016: A new species of *Haliplus* Latreille, 1802 (Coleoptera: Adepaga: Haliplidae) from Canada. – Coleopterists Bulletin 70 (4): 801–804.
- VONDEL, B.J. van & GHOSH, S.K. 2018: Re-evaluation of Vazirani’s *Haliplus* species from India (Coleoptera: Haliplidae). – Tijdschrift voor Entomologie 161: 3–10.
- VONDEL, B.J. van, HOLMEN, M. & PETROV, P.N. 2006: Review of the Palaearctic and Oriental species of the subgenus *Haliplus* s. str. (Coleoptera: Haliplidae: *Haliplus*) with descriptions of three new species. – Tijdschrift voor Entomologie 149: 227–273.
- VONDEL, B.J. van & LITOVKIN, S.V. 2017: Five new synonymies in *Haliplus* subg. *Liaphlus* Guignot, based on the variability of the left paramere (Coleoptera: Haliplidae). – Koleopterologische Rundschau 87: 31–35.
- VONDEL, B.J. van & MATSUMOTO, K. 2021: First record and diagnosis of a male *Haliplus* (*Liaphlus*) *madagascariensis* Vondel & Bergsten and additional faunistic records of African Haliplidae (Coleoptera: Adepaga). – Tijdschrift voor Entomologie 164: 1–14.
- VONDEL, B.J. van, OSTOVAN, H. & GHAHARI, H. 2017: An annotated checklist of Iranian Myxophaga (Hydroscaphidae, Sphaeriusidae) and Adepaga (Gyrinidae, Haliplidae, Noteridae, Rhysodidae) (Insecta: Coleoptera). – Zootaxa 4216 (3): 225–246.
- VONDEL, B.J. van & SPANGLER, P.J. 2008: Revision of the Haliplidae of the Neotropical Region including Mexico (Coleoptera: Haliplidae). – Koleopterologische Rundschau 78: 69–194.
- ZAITZEV, F.A. 1915: Les coléoptères aquatiques de la collection Motschulsky. I. Haliplidae, Dytiscidae, Gyrinidae. – Annuaire du Musée Zoologique de l’Académie des Sciences de Russie 20: 239–295.

Ing. Bernhard J. van VONDEL

Natuurhistorisch Museum Rotterdam, c/o Roestuin 78, 3343 CV Hendrik-Ido-Ambacht, Netherlands
(haliplus@kabelfoon.nl)